

ANNUAL REPORT 2023-2024



Vallabhbhai Patel Chest Institute
University of Delhi, Delhi, India

ANNUAL REPORT

2023–24



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University of Delhi, Delhi

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From the Director's Desk



It is my privilege to present the Institute's Annual Report for the year 2023-24. The Institute with the support of the University of Delhi and Ministry of Health and Family Welfare, Government of India, has been able to strive and thrive to achieve its objectives: to conduct research in basic and clinical aspects related to chest diseases, to train post-graduates in Pulmonary and Critical Care Medicine (DM and MD in Pulmonary Medicine) and allied disciplines (MD Microbiology, Biochemistry, Physiology and Pharmacology), and PhD in various subjects, to develop new diagnostic technology and disseminate scientific knowledge related to Chest Medicine to other Institutions of the country and, over and above all, to provide specialised patient care services to patients from India as well as other countries of the Asia during the year under report.

A large number of physicians, paramedical staff and students from other Universities/Institutions/Colleges got training in disciplines, such as Biochemistry, Microbiology, Physiology, Pathology etc in various departments of the Institute during the year. The research laboratories of the Institute are being equipped with the latest technology to keep pace with the rest of the world.

The research contributions from the Institute are widely acclaimed, funded by various Government Departments, like ICMR, CSIR, Ayush, DHR-MoHFW and DRDO. The faculty members and students of the Institute delivered orations, guest lectures and presented papers in the International and National conferences through webinar and virtual mode. The faculty members and students of the Institute received several Awards and Honours in their field of their specialisation. The Institute also organised workshops and eminent experts (virtual mode) shared their experiences.

The Viswanathan Chest Hospital (VCH), the clinical wing of the Institute, is a tertiary care Chest Hospital with state-of-the-art patient-care facilities.

National Tobacco Quitline Services (NTQLS) at VPCI is a pioneering concept in our country to tackle the growing menace of tobacco addiction in a cost-effective manner.

With the aim to disseminate scientific knowledge and latest developments in the field of chest diseases and allied sciences, the Institute continued the publication of its reputed quarterly publication The Indian Journal of Chest Diseases & Allied Sciences, in collaboration with the National College of Chest Physicians (India). The journal has wide national and international circulation. Institute also continues to publish its biannual Newsletter.

Thrust areas identified for special attention in near-future include COPD, Bronchial Asthma and Lung Cancer.

Prof. Raj Kumar

Annual Report (2023–24)

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MILESTONES OF INSTITUTE

April 6,	1949	Foundation stone of the Institute was laid down by Sardar Vallabhbhai Patel.
November,	1951	Ad-hoc Governing Body was appointed by the Executive Council of University of Delhi for administrative affairs of the Institute.
December,	1951	Main building of the Institute was completed.
January 12,	1953	The Institute was formally opened by Rajkumari Amrit Kaur, the Union Minister of Health, Government of India.
		Prof. R. Viswanathan was appointed as the Founder-Director. The grant for 1953- 54 was Rs. 2 lakhs.
January 21,	1955	A regular Governing Body was constituted by the Executive Council of the University of Delhi for the management and administration of the Institute.
April 4,	1955	The first meeting of the regular Governing Body was held.
	1955	Prof. A.S. Paintal reported the discovery of lung deflation receptors, a historical landmark in understanding the functioning of lung and its diseases.
July 1,	1957	Prof. R. Viswanathan took over as full-time Director of the Institute. Previously, he was the Deputy Director-General of Health Services, Government of India and Honorary Director of the Institute.
September 24,	1957	Pt. Jawaharlal Nehru said in a message: "It was a brave act of the University of Delhi to start the V.P. Chest Institute".
October 24,	1957	Clinical Research Centre was inaugurated by Dr Rajendra Prasad, the President of the Republic of India.
January 24,	1959	Indian Association for Chest Diseases was inaugurated by Sir A.L. Mudaliar. It was re-named as the National College of Chest Physicians (India) in January 1981.
July,	1959	<i>The Indian Journal of Chest Diseases</i> , a Quarterly Journal, was started under the joint auspices of the V.P. Chest Institute and the Indian Association for Chest Diseases.
July,	1959	A ward of 20 beds was opened to admit patients.
	1959	By a resolution of the Governing Body, V.P. Chest Institute was nominated as a "National Institute for Teaching and Research in Chest and Allied Diseases".
January,	1960	A Diploma course in Tuberculosis Diseases, started in March 1947, was re-named as "Diploma in Tuberculosis and Chest Diseases" (DTCD) from XIV Course. The XV DTCD Course started from July 1960.
April 6,	1961	Foundation Day Celebrations of the Institute was started.
April 7,	1962	Foundation stone of Patel Niwas, a Post Graduate Hostel, was laid down by Dr. C.D. Deshmukh, Vice-Chancellor, University of Delhi.
January 26,	1963	A contingent of the Institute staff participated in the Republic Day parade.
February 20-24,	1963	VII International Congress on Diseases of the Chest was held at Vigyan Bhawan under the auspices of V.P. Chest Institute, Indian Association for Chest Diseases and the University of Delhi.
August 1,	1964	Prof. A.S. Paintal joined as the Director of the Institute.
April 6,	1965	Patel Niwas (a PG Student Hostel) was inaugurated by Dr. C.D. Deshmukh on the XVI Foundation Day of the Institute.

	1966	Prof. A.S. Paintal was elected as the Fellow of the Royal Society of Edinburgh.
	1969	Padma Shree was awarded to Prof. R. Viswanathan.
	1974	Padma Bhushan was awarded to Prof. R. Viswanathan.
	1981	Prof. A.S. Paintal was elected as the Fellow of the Royal Society of London.
	1984	Prof. A.S. Paintal was elected as the General President of the Indian Science Congress Association [1984-85].
	1985	Prof. H.S. Randhawa was elected as the Vice-President of the International Society for Human and Animal Mycology [1985-88].
	1986	Prof. A.S. Paintal was appointed as the Director-General of the Indian Council of Medical Research.
	1986	Padma Vibhushan was awarded to Prof. A.S. Paintal.
	1986	Prof. A.S. Paintal was elected as the President of the Indian National Science Academy [1986-88].
November 10,	1991	Prof. H.S. Randhawa joined as the Director of the Institute.
October 5,	1998	Dr. V.K. Vijayan joined as the Director of the Institute.
April 6,	1999	Golden Jubilee Celebrations of the Foundation Day of the Institute. VPCI Oration was started.
June 14,	1999	24-hour Respiratory Emergency Services were started.
November 12,	1999	His Excellency, Shri K.R. Narayanan, the President of India, received the copy of Compendium of Activities (VPCI) 1949-99.
August 30,	2000	A New Ward (with an additional 40 beds) was inaugurated by Dr. A.K. Walia, Honourable Minister for Health, Govt. of NCT of Delhi.
	2000	Dr. V.K. Vijayan was elected as the International Regent, American College of Chest Physicians [2000-06].
March,	2001	A Respiratory Critical Care Unit was started.
March 15,	2001	CT Scan Centre was inaugurated by the Honourable Padma Shree Dr. C.P. Thakur, the Union Minister of Health and Family Welfare, Government of India.
November 21,	2001	Tobacco Cessation Clinic was started.
August 14,	2002	A State-of-the-Art Oxygen Plant was installed and started.
January 12-14,	2003	International Conference on Chest Diseases and Allied Sciences was held at India Habitat Centre, New Delhi, to commemorate the Golden Jubilee of the Inauguration of the Institute.
	2004	Website of the Institute was started (www.vpci.org.in).
September 24,	2005	Prof. Autar Singh Paintal Memorial Oration was started.
January 10,	2006	An 8-bedded Intensive Care Unit was started.
December 8,	2006	Inauguration of the Golden Jubilee Auditorium by organising an International Symposium on Herbal Drug Research and Therapy in Chest Medicine.
March 2,	2007	The Hospital wing of the Institute, Clinical Research Centre was re-named as "Viswanathan Chest Hospital" in honour of the Founder-Director of the Institute and the Golden Jubilee Auditorium was re-named as "Paintal Memorial Golden Jubilee Auditorium" in honour of the former Director of the Institute by a resolution of the Governing Body.

June 22,	2007	Yoga Therapy and Research Centre [in collaboration with the Morarji Desai National Institute of Yoga (MDNIY), New Delhi], was started.
September 18,	2007	Cardio-pulmonary Rehabilitation Clinic was started.
September 17,	2009	Approval by the University of Delhi to start Superspeciality DM Course in Pulmonary and Critical Care Medicine with an intake of two students per year.
August 3,	2010	Approval by the University of Delhi to start Diploma Course in Allergy and Clinical Immunology in VPCI with an intake of two students per year.
February 12,	2011	National Centre of Respiratory Allergy, Asthma and Immunology was started.
March 15,	2011	Permission from Medical Council of India to start DM (Pulmonary Medicine) course with intake of two students per year from the academic year 2011-12.
June 1,	2011	Prof. S.N. Gaur joined as the Acting Director.
November 21,	2012	Prof. Rajendra Prasad joined as the Director of the Institute.
May 7,	2013	DOTS Centre was started.
August 18,	2013	DMA Centenary Institution Award received from Smt. Sheila Dikshit, the Hon'ble Chief Minister, Government of NCT, Delhi for the "Outstanding Contribution in the Field of Patient Health Care".
August 23,	2013	New Ward (44 beds) was started.
		VPCI Newsletter was started.
September 15,	2014	VPCI Gym was inaugurated.
January 6,	2015	In the memory of Prof. A.S. Paintal, a museum was opened, which was dedicated to Prof. Paintal's life and contributions in the world of science, inspiring young scientist, researchers and academicians.
May 30,	2016	National Tobacco Quit Line Services, which functions from the Institute was inaugurated by Shri J.P. Nadda, Union Minister of Health and Family Welfare, Government of India, during the "World No Tobacco Day" programme organized by WHO-India, Ministry of Health and Family Welfare, Government of India and the National Heritage City Development and Augmentation Yojana (HRIDAY), at New Delhi.
September 30,	2016	Release of VPCI Postal Envelope by Prof. S.N. Gaur, Director (Acting), VPCI at "Neelambari-2016", a District Level Philately Exhibition organized by Sr. Superintendent of Post Offices, Delhi.
February 20,	2017	VPCI Indoor Games Center was inaugurated.
June 6,	2017	Prof. A. Ray joined as the Acting Director.
November 3,	2017	Prof. Raj Kumar joined as the Acting Director.
December 8,	2017	An MOU was signed between Vallabhbhai Patel Chest Institute (VPCI), University of Delhi, Delhi and Department of Allergology, University Hospital, Munster, Germany (UKM) on Teaching and Training; Exchange of Information and Academic Materials and Exchange of Faculty, Research Scholars and Administrative and Other Staff.
January 12,	2018	Patient Education Centre was inaugurated.
April 6,	2018	Daily Digital Pollen Count Information for Public was inaugurated by Shri J.P. Nadda, Hon'ble Union Minister of Health and Family Welfare, Government of India
	2018	DM (Pulmonary Medicine) was re-started.

October 15,	2018	The Renovated Kitchen of Viswanathan Chest Hospital (VCH) was inaugurated, which is dedicated to the patients admitted at VCH and ensures hygienic meal.
September 28,	2018	Prof. Raj Kumar joined as the Director of the Institute.
April 1	2019	Started Short-Term Training Programme on Pulmonary Function Test (3 Months Duration).
May 31,	2019	Prof. Raj Kumar, Director VPCI, received the prestigious World No Tobacco Day Award for 2019.
May 31	2019	Prof. CG Uragoda Oration-2019 was awarded to Prof. Raj Kumar in the field of Allergy and Immunotherapy by Sri Lanka College of Pulmonologists at Sri Lanka.
June 7,	2019	Renovated Canteen of the VPCI was re-opened.
September 16,	2019	Registration and Waiting Hall for Patients at VCH was inaugurated.
	2019	VPCI declared as Centre of Excellence for climate sensitive allergic diseases under National Program for Climate change and human Health in 2019.
March 4,	2020	Pradhan Mantri Jan Arogya Yojana (PMJAY) Counter at VCH was inaugurated by Shri Ashwini Kumar Choubey, Hon'ble Minister of State for Health and Family Welfare, Government of India.
March 4,	2020	Inauguration of Expanded National Tobacco Quit Line Services by Shri Ashwini Kumar Choubey, Hon'ble Minister of State for Health and Family Welfare, Government of India.
June 16,	2020	Tele Medicine for registered patients was started.
October 1,	2020	Composter-A unit of Solid Waste Management Machine was installed at the Institute by Prof. V.S. Chauhan, Chairman, Governing Body, VPCI.
October 1,	2020	VPCI Mobile Application was launched.
	2020	Post COVID-19 Respiratory Management: Expert Panel Report was published.
May 24,	2021	Inauguration of VPCI Post Covid Respiratory Management Center by Prof. P C Joshi, Hon'ble, Pro Vice-Chancellor, Delhi University.
January 06,	2022	Inauguration of Allergy Testing Centre by Prof. V.S. Chauhan, Chairman, Governing Body, VPCI.
March 11,	2022	Release of Indian Guidelines for Diagnosis of Respiratory Allergy by Prof. V. S. Chauhan, Chairman Governing Body, VPCI
June 12,	2022	Prof. Raj Kumar awarded Dr. N. L. Bordia Oration-2022 in the field of Respiratory Medicine by Department of Respiratory Medicine at MGM Medical College, Indore, MP
July 4,	2022	Started Short-Term Certificate Course in Clinical Pathology (3 Months Duration).
July 13,	2022	Inauguration of Official Website of the Indian Journal of Chest Diseases and Allied Sciences by Dr. Vijay Chauthaiwale, Chairman Governing Body, VPCI
July 12,	2023	Vallabhbhai Patel Chest Institute (VPCI) was awarded the NABH Accreditation Certificate by the Constituent Board of the Quality Council of India
September 27	2023	Inauguration of passenger cum bed lift at VCH by Dr. Vijay Chauthaiwale, Chairman, Governing Body, VPCI
March 17,	2024	Prof. Raj Kumar received the prestigious American Thoracic Society (ATS) Public Service Award for his exemplary leadership and advocacy in advancing public health initiatives related to air quality enhancement, tobacco control, communicable respiratory disease management, and critical care

Prof. R. Viswanathan-VPCI Oration

1 st Oration	April 6, 1999	Prof. N.K. Ganguly, Director-General, Indian Council of Medical Research, New Delhi
2 nd Oration	April 6, 2000	Prof. A.S. Paintal, former Director-General, ICMR and former Director, VPCI.
3 rd Oration	April 6, 2001	Dr. S. Lakshminarayanan, University of Washington School of Medicine, Washington, Seattle, USA.
4 th Oration	April 6, 2002	Dr. S. Padmavati, President, All India Heart Foundation and Director, National Heart Institute, New Delhi.
5 th Oration	April 7, 2003	Prof. J.S. Bajaj, former Member, Planning Commission, Government of India and former Professor and Head, Department of Medicine, All India Institute of Medical Sciences, New Delhi.
6 th Oration	April 6, 2004	Prof. H.S. Randhawa, former Director, V.P. Chest Institute, University of Delhi, Delhi.
7 th Oration	April 6, 2005	Prof. Naranjan S. Dhalla, Distinguished Professor and Director, Institute of Cardio-vascular Sciences, St. Boniface General Hospital and Research Centre, University of Manitoba, Winnipeg, Canada.
8 th Oration	April 6, 2006	Prof. C.N. Deivanayagam, Former Medical Superintendent, Hospital for Thoracic Medicine, Chennai.
9 th Oration	April 6, 2007	Prof. K.K. Talwar, Director, Postgraduate Institute of Medical Education and Research, Chandigarh.
10 th Oration	April 6, 2008	Prof. C.R. Babu, former Pro-Vice-Chancellor, University of Delhi, Delhi.
11 th Oration	April 7, 2009	Prof. Peter J. Barnes, Head of Respiratory Medicine, Imperial College, London and Professor of Thoracic Medicine and Head of Airway Disease at the National Heart and Lung Institute and Honorary Consultant Physician at Royal Brompton Hospital, London.
12 th Oration	April 6, 2010	Prof. M.K. Bhan, Secretary, Government of India, Department of Biotechnology, New Delhi.
13 th Oration	April 6, 2011	Dr. Vishwa Mohan Katoch, Secretary to the Government of India, Department of Health Research, Ministry of Health and Family Welfare and Director-General, Indian Council of Medical Research, New Delhi.
14 th Oration	April 6, 2012	Prof. Sami Bahna, Chief, Allergy and Immunology Section, Louisiana State University, LA, USA, and Past-President, American College of Allergy, Asthma and Immunology, USA.
15 th Oration	April 6, 2013	Dr. W. Selvamurthy, Former Distinguished Scientist and Chief Controller R&D (LS&IC), DRDO, Ministry of Defence, Government of India, New Delhi.
16 th Oration	April 6, 2014	Prof. P.S. Shankar, Emeritus Professor of Medicine, Rajiv Gandhi Institute of Health Sciences, Bangalore, Karnataka.
17 th Oration	April 6, 2015	Prof. K.C. Mohanty, former Director-Professor, Department of Chest and TB, K.J. Somaiya Medical College and Hospital, Mumbai.

18 th Oration	April 6, 2016	Prof. S.K. Jindal, former Head, Department of Pulmonary Medicine, Post Graduate Institute of Medical Education and Research, Chandigarh.
19 th Oration	April 6, 2017	Prof. S.K. Katiyar, former Principal and Dean and Professor and Head, Department of Tuberculosis and Respiratory Diseases, Ganesh Shankar Vidhyarthi Memorial (G.S.V.M.) Medical College, Kanpur.
20 th Oration	April 6, 2018	Prof. Randeep Guleria, Director, All India Institute of Medical Sciences, New Delhi.
21 st Oration	April 5, 2019	Dr. Rohit Sarin, Director, National Institute of Tuberculosis and Respiratory Diseases (NITRD), New Delhi
22 nd Oration	April 6, 2023	Prof. S.K. Sarin, Director, Institute of Liver and Biliary Science (ILBS), New Delhi

Prof. A.S. Paintal Memorial Oration

1 st Oration	September 24, 2005	Prof. M.S. Valiathan, Honorary Adviser, Manipal Academy of Higher Education, Manipal (Karnataka).
2 nd Oration	September 24, 2006	Prof. P.N. Tandon, President, National Brain Research Centre Society, Gurgaon.
3 rd Oration	September 24, 2007	Prof. P.N. Srivastava, First Chancellor, Manipur Central University, Imphal and former Vice-Chancellor, Jawaharlal Nehru University, New Delhi.
4 th Oration	September 24, 2008	Prof. Nanduri R. Prabhakar, Director, Centre for System Biology of Oxygen Sensing, Department of Medicine, University of Chicago, USA.
5 th Oration	September 24, 2009	Prof. Arun Dharmarajan, Winthrop Professor, School of Anatomy and Human Biology, Faculty of Life and Physical Sciences, The University of Western Australia, Nedlands, Perth, Western Australia.
6 th Oration	September 24, 2010	Prof. Chulani Tissa Kappagoda, Professor of Medicine, University of California, Davis, USA.
7 th Oration	September 23, 2011	Prof. J.S. Guleria, Senior Consultant (General Medicine), Sitaram Bhartia Institute of Science and Research, New Delhi and former Professor and Head, Department of Medicine, and Dean, AIIMS, New Delhi.
8 th Oration	September 24, 2012	Prof. S.K. Jain, Senior Consultant, Respiratory Medicine, Max Hospital, Noida, Coordinator, DNB (Respiratory Medicine), Metro Hospital, Noida, Ex-Advisor and Member, Scientific Advisory Committee, NIREH (ICMR), Bhopal and Ex-HOD, Cardio-respiratory Physiology, VPCI.
9 th Oration	September 24, 2013	Prof. Samir K. Brahmachari, Secretary, Government of India, Department of Scientific and Industrial Research, and Director-General, CSIR, New Delhi.
10 th Oration	September 24, 2014	Prof. M. Fahim, Adjunct Research Professor, Department of Physiology, Hamdard Institute of Medical Sciences and Research, Jamia Hamdard, New Delhi and former Professor and Head, Department of Physiology, VPCI.
11 th Oration	September 24, 2015	Prof. A.K. Prasad, Chairman, Influenza Foundation of India, and President, Indian Virological Society and former Professor and Head, Department of Respiratory Virology, VPCI.

12 th Oration	September 23, 2016	Dr. Ashima Anand, Principal Investigator, DST Research Project, V.P. Chest Institute, university of Delhi, Delhi.
13 th Oration	September 22, 2017	Dr. K. Ravi, Former Professor and Head, Department of Physiology, V.P. Chest Institute, University of Delhi, Delhi.
14 th Oration	September 24, 2018	Dr. A.K. Jain, Professor of Excellence, Department of Physiology, Maulana Azad Medical College, New Delhi.
15 th Oration	September 24, 2019	Prof. V.S. Chauhan, ICGB, Jawaharlal Nehru University, New Delhi -110067
16 th Oration	September 26, 2022	Prof. Anil Gurtoo, Director Professor, Department of Medicine, Lady Hardinge Medical College, New Delhi.
17 th Oration	September 27, 2023	Prof. Nikhil Tondon, Professor and Head, Department of Endocrinology and Metabolism, AIIMS, New Delhi

Prof. H.S. Randhawa Oration

1 st Oration	January 12, 2015	Prof. Ziauddin Khan, Chairman, Department of Microbiology, Kuwait, University, Kuwait.
2 nd Oration	January 12, 2016	Prof. Indira Nath, former Faculty Member, Department of Pathology, All India Medical Institute of Medical Sciences, New Delhi.
3 rd Oration	January 12, 2017	Prof. Subrata Sinha, Director, National Brain Research Centre, Gurugram, Haryana.
4 th Oration	January 12, 2018	Prof. Rajesh S. Gokhale, Former Director, CSIR-IGIB, Delhi.
5 th Oration	January 12, 2019	Prof. Yogendra Singh, Department of Zoology, University of Delhi, Delhi.
6 th Oration	March 4, 2020	Prof. Rakesh Bhatnagar, Vice Chancellor, Banaras Hindu University, Varanasi, Uttar Pradesh.
7 th Oration	January 12, 2023	Prof. Atul Goel, Director General of Health Services, Ministry of Health and Family Welfare, New Delhi.
8 th Oration	January 15, 2023	Dr. Sauvik Maiti, Director, CSIR-Institute of Genomics and Integrated Biology

Dr V.K. Vijayan Oration

1 st Oration	October 26, 2015	Dr. Soumya Swaminathan, Secretary, Department of Health Research, Ministry of Health and Family Welfare, Government of India, and Director- General, ICMR, New Delhi.
2 nd Oration	October 26, 2016	Prof. Digambar Behera, Head, Department of Pulmonary Medicine, Post-Graduate Institute of Medical Education and Research, Chandigarh.
3 rd Oration	October 24, 2017	Prof. Seyed Ehtesham Hasnain, Vice-Chancellor, Jamia Hamdard, New Delhi.
4 th Oration	October 24, 2018	Dr. J.C. Suri, former Consultant, Professor and Head, Department of Pulmonary, Critical Care and Sleep Medicine, VMMC and Safdarjung Hospital, New Delhi.
5 th Oration	October 24, 2019	Dr. S.K. Luhadia, Professor and Head, Department of Respiratory Medicine, Geentanjali Medical College and Hospital, Udaipur, Rajasthan.
6 th Oration	October 26, 2022	Prof. Surender Kashyap, Vice Chancellor, Atal Medical and Research University, Mandi, Himachal Pradesh.
7 ^h Oration	October 26, 2023	Prof. Anant Mohan, Professor and Head, Department of Pulmonary, Critical Care, and Sleep Medicine, AIIMS, New Delhi

THE INSTITUTE

The Vallabhbhai Patel Chest Institute (VPCI) is a post-graduate medical Institution devoted to the study of chest diseases. It is located in the Delhi University main campus providing the requisite academic environment in which a wide range of scientific facilities are available in various departments along with an excellent Institute Library.

Objectives

The main objectives of VPCI have been to conduct research on basic and clinical aspects of chest medicine, to train post-graduates in Pulmonary Medicine and allied subjects, to develop new diagnostic technology and to disseminate it to other institutions in the country and to provide specialised clinical and investigative services to patients.

Administration

The VPCI is a maintained Institution of University of Delhi and is fully funded by the Grants-in-Aid received from the Ministry of Health and Family Welfare, Government of India. The Institute is governed and administered by its own Governing Body as Constituted under Ordinance XX (2) of the University of Delhi Act. The Director, who is appointed by the Executive Council of University of Delhi, is the Chief Executive of the Institute. The Director of the Institute also functions as Member-Secretary (Ex-Officio) to the Governing Body of the Institute. The Institute also has a Standing Finance Committee constituted by the Governing Body to make recommendations about its budgetary requirements.

Organisation and Management

The organisation and management of the Institute is through Departmentation of activities based on various areas of specialisation and functions. The Academic, Scientific and Clinical services are organised under the Departments of Anaesthesiology, Cardio-respiratory Physiology, Radiodiagnosis and Imaging, Respiratory Allergy and Applied Immunology, Pulmonary Medicine and Thoracic Surgery. These Departments along with Outdoor/ Indoor patient care services and Respiratory Emergency section are housed in the Viswanathan Chest Hospital. The other Departments of the Institute include Biochemistry, Clinical Biochemistry, Biostatistics, Medical Mycology, Microbiology, Pathology, Pharmacology, Physiology and Respiratory Virology. These Departments are headed by the Faculty Members in the respective fields. The General and Personnel Management including various maintenance activities required for the Institute are supported by administrative services of the Institute, controlled by the Deputy Registrar who reports to the Director.



NABH Accreditation Certificate issued to VPCI by the Constituent Board of the Quality Council of India



Dr. Dharmendra Pradhan, Hon'ble Minister of Education, Govt. of India addressing Media during Swachhta hi Sewa cleanliness drive



Passenger cum bed lift inaugurated by Dr. Vijay Chauthaiwale, Chairman of the Governing Body, VPCI in presence of Prof. Raj Kumar, Director, VPCI

GOVERNING BODY

CHAIRMAN

The Vice-Chancellor, University of Delhi
(Ex-Officio) or a person nominated by him

Dr. Vijay Chauthaiwale

MEMBERS

Treasurer, University of Delhi (Ex-Officio)

Shri Nawal Kishore

Two members nominated by the Executive
Council, University of Delhi

Prof. Mahesh Verma
Prof. Neeta Sehgal

Dean, Faculty of Medical Sciences,
University of Delhi

Prof. A.N. Aggarwal

Three members nominated by the Ministry of
Health and Family Welfare, Government of India,
New Delhi

Shri Jaideep Kr. Mishra
Additional Secretary and Financial Advisor

Smt. Vandana Jain
Joint Secretary

Prof. (Dr.) Atul Goel
Director-General of Health Services

One member, not connected with the
University, nominated by the Executive
Council, University of Delhi

Dr. Randeep Guleria

One Professor of the Institute by rotation
according to seniority for a period of one year

Prof. Ritu Kulshrestha (till 02.11.2023)
Prof. Vishal Bansal (03.11.2023 onwards)

One Associate Professor or Assistant Professor
of the Institute by rotation according to Seniority
for a period of one year

Dr. Ravishankar N. (till 02.11.2023)
Dr. Siddharth Raj Yadav (03.11.2023 onwards)

Representative of Non-teaching Staff
of the Institute by rotation (as Special Invitee)
according to seniority for a period of one year

Shri L.N. Addanki (till 28.02.2024)
Shri Tarika Pruthi (01.03.2024 onwards)

MEMBER-SECRETARY

Director, Vallabhbhai Patel Chest
Institute, University of Delhi, Delhi (Ex-Officio)

Prof. Raj Kumar
Director, VPCI

Standing Finance Committee

Additional Secretary and Financial Advisor

Ministry of Health and Family Welfare
Government of India
Nirman Bhawan
New Delhi-110 001

*Chairman***Joint Secretary or Nominee**

Ministry of Health and Family Welfare
Government of India
Nirman Bhawan
New Delhi-110 001

*Member***Prof. Anuradha Chowdhary**

Department of Microbiology
V.P. Chest Institute
University of Delhi, Delhi -110 007

*Member***Deputy Registrar**

V.P. Chest Institute
University of Delhi,
Delhi-110 007

*Member***Director**

V.P. Chest Institute
University of Delhi,
Delhi-110 007

Member-Secretary

Scientific Advisory Committee

Dr. D. Behera

Department of Pulmonary Medicine
Post Graduate Institute of Medical Education and Research
Chandigarh - 160 012

Chairman

Deputy Director-General (Medical)

Ministry of Health and Family Welfare
Government of India
New Delhi-110001

Member

Principal

University College of Medical Sciences (UCMS)
Delhi-110095

Member

Director

National Institute of TB and Respiratory Diseases
Sri Aurobindo Marg, New Delhi-110030

Member

Dean, Faculty of Science

University of Delhi, Delhi-110007

Member

Dean, Faculty of Medical Sciences

University of Delhi, Delhi-110007

Member

Prof. Madhu Khanna (Basic Science)

Respiratory Virology Unit
Department of Microbiology
Vallabhbhai Patel Chest Institute
University of Delhi, Delhi-110007

Member (01.08.2022 to 31. 03.2023)

Dr. Nitin Goel (Clinician)

Department of Pulmonary Medicine
Vallabhbhai Patel Chest Institute
University of Delhi, Delhi-110007

Member (01.08.2022 to 31.03.2023)

Dr. Anant Mohan

Professor and Head
Department of Pulmonary Medicine,
Critical Care and Sleep Medicine
3rd Floor, Near SBI Bank
All Indian Institute of Medical Sciences
Ansari Nagar,
New Delhi-110 029

Member

Director

V.P. Chest Institute
University of Delhi, Delhi-110007

Member-Secretary

Human Ethics Committee

Dr. D. Behera

Department of Pulmonary Medicine
Post Graduate Institute of Medical Education and Research
Chandigarh - 160 012

*Chairman***Prof. B.D. Banerjee**

Department of Biochemistry
University College of Medical Sciences (UCMS)
Dilshad Garden, Delhi-110 095

*Member (Basic Medical Scientist)***Dr. Kavita Gulati**

Department of Pharmacology
Vallabhbhai Patel Chest Institute
University of Delhi, Delhi-110 007

*Member (Basic Medical Scientist)***Dr. Anant Mohan**

Professor and Head
Department of Pulmonary Medicine
All Indian Institute of Medical Sciences
New Delhi - 110 029

*Member (Clinician)***Dr. Balakrishnan Menon**

Department of Pulmonary Medicine
Vallabhbhai Patel Chest Institute
University of Delhi, Delhi-110 007

*Member (Clinician)***Shri K Sunil**

K Sunil and Associates, Advocate and Advisors
Chamber NO 69, C L. Josef Block, Tis Hazari Court
New Delhi-110 054

*Member (Legal)***Shri Suman Kumar**

Advocate, Hight Court of Delhi
New Delhi

*Member (Social Scientist, w.e.f. 26.03.2021)***Dr. Udhay K. Sinha**

Institute of Human Behaviour and
Allied Sciences (IHBAS), Dilshad Garden
Delhi-110 095

*Member (Philosopher)***Director**

V.P. Chest Institute
University of Delhi,
Delhi-110 007

Member-Secretary

Institutional Animal Ethics Committee

Chairman

(Biological Scientist)

Dr. Malini Shariff

Head, Department of Microbiology
V.P. Chest Institute
University of Delhi, Delhi-110 007

Member

(Scientist from Different Discipline
of the Institute)

Dr. Mandira Varma-Basil (28.3.2018 onwards)

Department of Microbiology

Member

(Scientist from Different Discipline
of the Institute)

Dr. Madhu Khanna

Department of Virology

Member

(Scientist Incharge of Animal House
Facility of the Institute)

Dr. Kavita Gulati (28.03.2018 onwards)

Department of Pharmacology

Main Nominee of CPCSEA**Dr. Harmeet Singh Rehan** (28.03.2018 onwards)

Head, Department of Pharmacology
Lady Hardinge Medical College
New Delhi-110 001

Link Nominee of CPCSEA**Dr. Bal Gangadhar Roy** (28.03.2018 onwards)

EFA, Institute of Nuclear Medicine and
Allied Sciences Delhi-110 054

Nominee of CPCSEA

(Scientist from Outside the Institute)

Dr. H.B. Singh (28.03.2018 onwards)

Ministry of Science and Technology,
New Delhi-110 001

Nominee of CPCSEA

(Non-Scientific Socially Aware Member)

Dr. S. Gowri Shankar (22.07.2020 onwards)

A-702, Gayatri Apartments, Sector 10
Dwarka, New Delhi-110 075

Member-Secretary

(Veterinarian of the Institute)

Dr. Rajinder Bajaj

ORGANISATIONAL STRUCTURE

DIRECTOR

Raj Kumar, MD (Pul. Med.), FAMS, MNASc, MNAMS, FICAAI, FICS, FNCCP(I), FIAMS

Biochemistry (including Clinical Biochemistry)

Vishwajeet Rohil, MD
Professor

Jayeeta Bhadra, MD
Assistant Professor

Biostatistics

Ravishankar N., PhD
Assistant Professor

Microbiology (including Medical Mycology and Respiratory Virology)

Malini Shariff, MD, PhD
Professor

Mandira Varma-Basil, MD, DNB
Professor

Anuradha Chowdhary, MD
Professor

Madhu Khanna, MSc, PhD
Professor

Pathology

Ritu Kulshrestha, MS (Biomedical Sciences), DNB (Pathology), PhD, MNAMS
Professor

Pharmacology

Kavita Gulati, MSc, PhD
Professor

Dr. Ankit Arora, MD
Assistant Professor

Physiology

Vishal Bansal, MD, DNB, PhD, MNAMS, FCCP (USA)
Professor

Pulmonary Medicine

Raj Kumar, MD (Pul. Med.), FAMS, MNASc, MNAMS, FICAAI, FICS, FNCCP(I), FIAMS
Professor

Balakrishnan Menon, MD, DMRD
Professor

Nitin Goel, MD
Associate Professor

Sonam Spalgais, DNB
Associate Professor

Parul Mrigpuri, DNB
Associate Professor

Siddharth Raj Yadav, MD
Associate Professor

Dr. Vidhushi Rathi, MD, DM
Assistant Professor

Viswanathan Chest Hospital
Officer-in-Charge

Raj Kumar
Professor

Library

Uma Tyagi, MPhil (Physics), MLib Sci, PhD
Librarian

Animal House

Rajinder Bajaj, BVSc and AH
Consultant (Animal House)

Administration

Omkar Nath Pandit, MA (History), MA (Pol. Sci.), PGDHR, DLL&LW, MBA (HRM)
Deputy Registrar

Sunil Kumar Yadav, MA (History), PGDHRM, MBA
Assistant Registrar

Srikanth, B.Tech, MA, MBA, PGDT
Assistant Registrar

Viswanathan Chest Hospital

The Viswanathan Chest Hospital (VCH) attached to the Vallabhbhai Patel Chest Institute has the following Departments/Facilities to provide specialised investigations and treatment to patients referred to this Institute.

Clinical Facilities

The Viswanathan Chest Hospital (VCH), formerly known as Clinical Research Centre, is the hospital wing of the Institute with the following Departments:

- Pulmonary Medicine
- Radiodiagnosis and Imaging
- Clinical Laboratories of Biochemistry, Microbiology and Pathology
- Anaesthesia
- Thoracic Surgery

Facilities available at Viswanathan Chest Hospital

- Out-patient Department
- In-patient Facility with 128 Beds
- 24 Hours Respiratory Emergency
- 8-bedded Respiratory Intensive Care Unit (with 6 Ventilators)
- Pulmonary Function Laboratory
- Cardio-pulmonary Rehabilitation Clinic
- Sleep Laboratory
- Allergy and Applied Immunology Laboratory
- Clinical Hematology and Pathology Laboratory
- Clinical Biochemistry Laboratory
- Microbiology Laboratory
- Radiology Unit with 64 Slice MDCT Scan Center
- Picture Archiving and Communication Systems (PACS)
- Tobacco Cessation Clinic
- Yoga Therapy and Research Centre

Specialized investigations available at VCH

- Fibreoptic bronchoscopy
- Guided FNAC/Biopsy
- Medical thoracoscopy
- Respiratory allergy skin tests
- Clinical immunology
- BACTEC system for tuberculosis

Detailed data of patients attending VCH and investigations conducted during the period are as follows:

Number of new patients attending OPD	10174
Number of follow up patients visiting OPD	48434
Total Outdoor Patients	58608
Number of indoor patients	
General Wards	11245
Emergency Wards	1489
Total Indoor Patients	12734
Emergency treatment provided	22631
Total number of patients treated in ICU	1662
Number of routine and specialised investigations done at VCH during the year	
Arterial blood gases	18110
Bronchoscopy	456
Bronchoalveolar lavage	319
Pulmonary function tests	9774
CT scans	0
Ultrasounds	0
X-rays	27930
Electrocardiogram	4204
Polysomnograms	89
HIV testing	1563
Skin tests	13925
Serum IgE test performed	4023
ANA	0
c-ANCA	0
p-ANCA	0
SCL-70	0
HBsAg	1563
HCV	1563
Serum ACE	591
Vitamin D	0
Thyroid Profile	967
Biochemistry Tests (Blood and Pleural fluid): Patient care	
Blood glucose	1316
Liver function tests	44490
Kidney function tests	17370
Pleural fluid biochemistry	164
HbA1c	2738
Lipid profile	1671
Total Protein and Albumin	10884
Serum Electrolytes	17919
Serum Calcium	389

Serum Phosphorus	174
Serum Uric Acid	98
Total	97213

Microbiology

1. Bacteriology Laboratory

Clinical specimens processed for isolation and identification of aerobic pathogens

Nature of Specimen	
Sputum	3234
Urine	486
Bronchial aspirate/ lavage	323
Pleural fluid	32
Blood	353
Endotracheal aspirate	180
Pus/(FNAC/Tips)	113
Curtain swab	2
Total	4723

2. Serology Laboratory

Rheumatoid factor	686
C-reactive protein	740
Widal	03
Total	1429
Hospital Surveillance Samples	88

3. Anaerobic Culture

4. Mycobacteriology Laboratory

Nature of Specimen			
	LJ medium	MGIT	GeneXpert
Sputum	8402	236	4069
Bronchial aspirate	332	42	312
Pleural fluid	143	20	140
ET aspirate	64	06	63
CSF	08	05	07
Pus/Biopsy	37	09	32
FNAC	27	11	26
Gastric aspirate	04	02	05
Total	9017	331	4654
<i>Drug susceptibility test (DST) for M. tuberculosis:</i>	225		
Line probe assay: Molecular DST for M. tuberculosis			
Line probe assay for firstline drugs: 30			
Line probe assay for <i>Mycobacterium</i> sp. 25			
DST for NTM: 15			

Parasitology

Test for filarial antigen: 3

5. Mycology (VPCI and other hospitals)**Nature of Specimen**

Sputa	3319
Blood specimens	1678
Bronchial lavage/aspirate/washings/endotracheal aspirate/pleural fluid	402
Blood culture	152
Tissue biopsies/ nasal polyps/skin scrapings/nail scrapings	17
CSF	3
Urine and Miscellaneous (swabs/nasal polyp/ FNAC/discharge/pus)	3
Total	5574

*Besides, referral service for identification of clinical isolates of fungi was extended to other institutions on request.***Pathology****1. Hematology Laboratory**

A total of 40,477 tests were done during the period as per details given below;

Hemogram (including Hb, TLC, DLC)	14426
Platelet count	11508
Absolute eosinophil count	4320
Peripheral smear	174
P/S for malarial parasite	09
ESR	1173
Rectic	01
Total	31611

2. Coagulation Laboratory*A total of 573 tests were done during the period as per details given below;*

Prothrombin Time (PT)	223
Activated Partial Thromboplastin Time (APTT)	227
D-Dimer	123

3. Clinical Pathology Laboratory

Total of 930 Urine analysis were done during the period, including Specific gravity, pH, Albumin, Sugar, Microscopic examination and Ketone Bodies examination.

4. Histopathology Laboratory

A total of 313 lung and pleural biopsies of patients and experimental lung specimen were processed during the period as per details given below. Each biopsy was stained with routine and histochemical stains for further categorisation.

Lung biopsy- TBLB and EBLB, Lung mass	199
CT guided Trucut Biopsy	29
Pleural biopsy	15
Cell block	47

Bronchial Biopsy	06
Thoracoscopic Biopsy	05
EBUS+TBNA	12
Total	313

5. *Cytopathology Laboratory*

A total of 1228 samples of exfoliative and aspiration cytology were done during the period as per details given below. Each sample was stained with routine and histochemical stains for further categorisation. Cell block was prepared when required.

Sputum	523
BAL fluid	277
FNAB: Percutaneous	100
Transbronchial (TBNA)	79
Bronchial aspirate	28
Pleural fluid	172
Pus Cytology	01
Bronchial Brush	44
E T Aspirate	04
Total	1228

6. *Immunohistochemistry Laboratory:*

A total of 573 immunohistochemistry tests were carried out on lung biopsies and cell blocks of patients and animal experimental lung specimen as per details given below.

Immunohistochemistry	No. of Cases
ALK	32
Calretenin	6
Caspase3	1
CD-45	7
CD8	5
CD68	3
CK-20	24
CGA	6
CK-7	24
CD-4	7
EMA	16
FGFR-1	22
FGFR2	21
Panck	7
KRAS	18
Napsin	55
P40	22
PDL-1	26
P16	1

ROS-1	33
S-100	4
Synaptophysin	6
SPA	7
TTF-1	35
VEGF	4
vimentin	9
CD-133	29
CD-86	11
CD-206	11
CD-15	1
CD-30	1
WT-1	8
CD34	1
P63	2
TGF-b	3
CEA	5
SMA	5
MMP7	1
MMP9	1
NFK-b	14
NSE	6
CK5/6	1
B-Actin	2
BCI2	2
bFGF	6
Caveolin	62

7. Molecular Pathology Laboratory

Total 396 molecular tests of gene expression changes were performed on Lung cancer patients and experimental lung biopsies as per details given below:

Name of Test	Number of Test
HRM	154
EGFR	59
K-RAS	64
B-RAF	78

8. Cell Culture Laboratory

The cell culture laboratory was continued during this period. Research work on the A549 human alveolar epithelial, THP-1 and U-937 cell line is presently being performed. The TGF- β , SMAD-1-7, MTT assay, cell scratch assay and migration assay are being studied by immunocytochemistry and real time PCR.

9. Nanoparticle Laboratory

The polymeric nanoparticles are being synthesized followed by their surface modification and characterization using; transmission electron microscopy, DLS, Zeta potential, NMR, FTIR and HPLC techniques and studying their functionalization in the context of their surface modifications.

Tobacco Cessation Clinic

The Tobacco Cessation Clinic (TCC) at Vallabhbhai Patel Chest Institute was established in November 2001. Its activities were expanded in 2002 with financial support from the World Health Organization (WHO) and the Ministry of Health and Family Welfare, Government of India, to create a more comprehensive program. In 2009, the TCC was upgraded to a Resource Centre for Tobacco Control.

The TCC addresses the significant health issues caused by tobacco consumption and aims to protect individuals from tobacco addiction. It operates an outpatient department from Monday to Friday, 9 AM to 5 PM, providing services to smokers and tobacco chewers willing to quit. Services include counseling, nicotine replacement therapy (NRT), non-NRT options, registration, CoHb monitoring, quit date planning, follow-up sessions, telephonic follow-up, and pulmonary function tests.

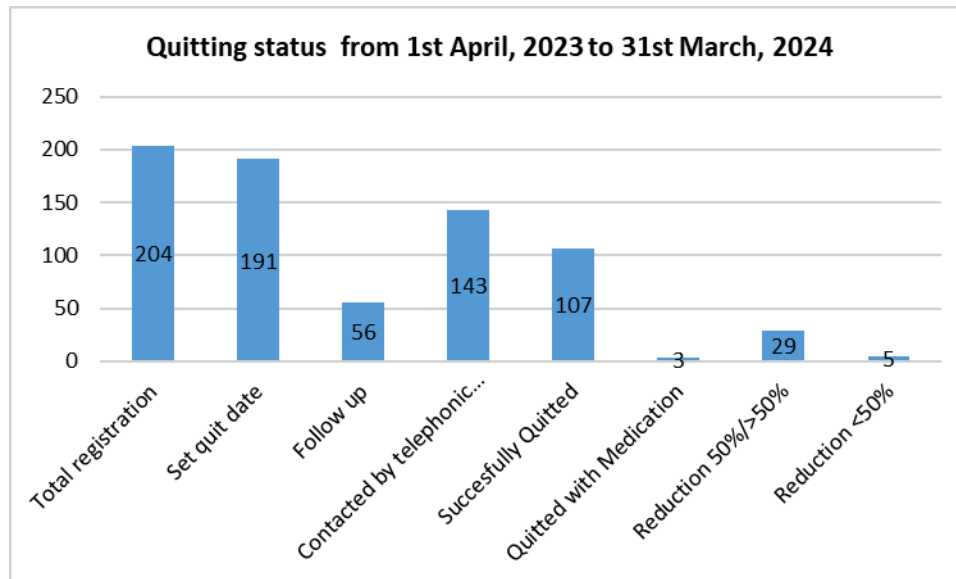
Additionally, the TCC raises awareness about the harmful effects of tobacco through PowerPoint presentations, booklets, pamphlets, and videos. Registered individuals are called for regular follow-ups at intervals of 2 weeks, 1 month, 2 months, 3 months, 6 months, and 1 year. The TCC also conducts workshops in Delhi and the National Capital Region (NCR) to train physicians, counselors, volunteers, and other stakeholders involved in smoking cessation.

Since its inception, the TCC has conducted 57 educational programs for physicians, paramedical professionals, and the general public. From the start of the TCC until March 31, 2024, 9045 new tobacco users and 3703 follow-up users have utilized its services. Between April 1, 2023, and March 31, 2024, 204 new and 56 follow-up individuals sought assistance from the TCC for tobacco cessation.

Total new subjects registered for TCC from 1st April, 2022 to 31st March, 2023	204
Number of subjects set a quit date	191 (93.63%)
Number of subjects followed up	56
Telephonic routine follow up of registered subjects in the during	600+
Number of subjects prescribed medication	4
Number of subjects Quitted with medication	3
Subject contacted	143 (70.09%)
Reduction >50%	29
Reduction < 50%	5
Total number of quitters (n=143)	107 (74.83%)

During this period, 107 subjects successfully quit their tobacco habit for at least two weeks. Follow-up calls were made to the 204 registered tobacco users to assess their current quitting status. Out of these, 143 subjects (70.09%) were reached, while 61 calls (29.90%) were unsuccessful due to various reasons such as the phone being switched off, the person not being available, the individual being expired, calls not being answered, individuals being out of station, callers being busy, the number not existing, the phone being dead, the incoming facility not being available, or the individuals not turning up for follow-up.

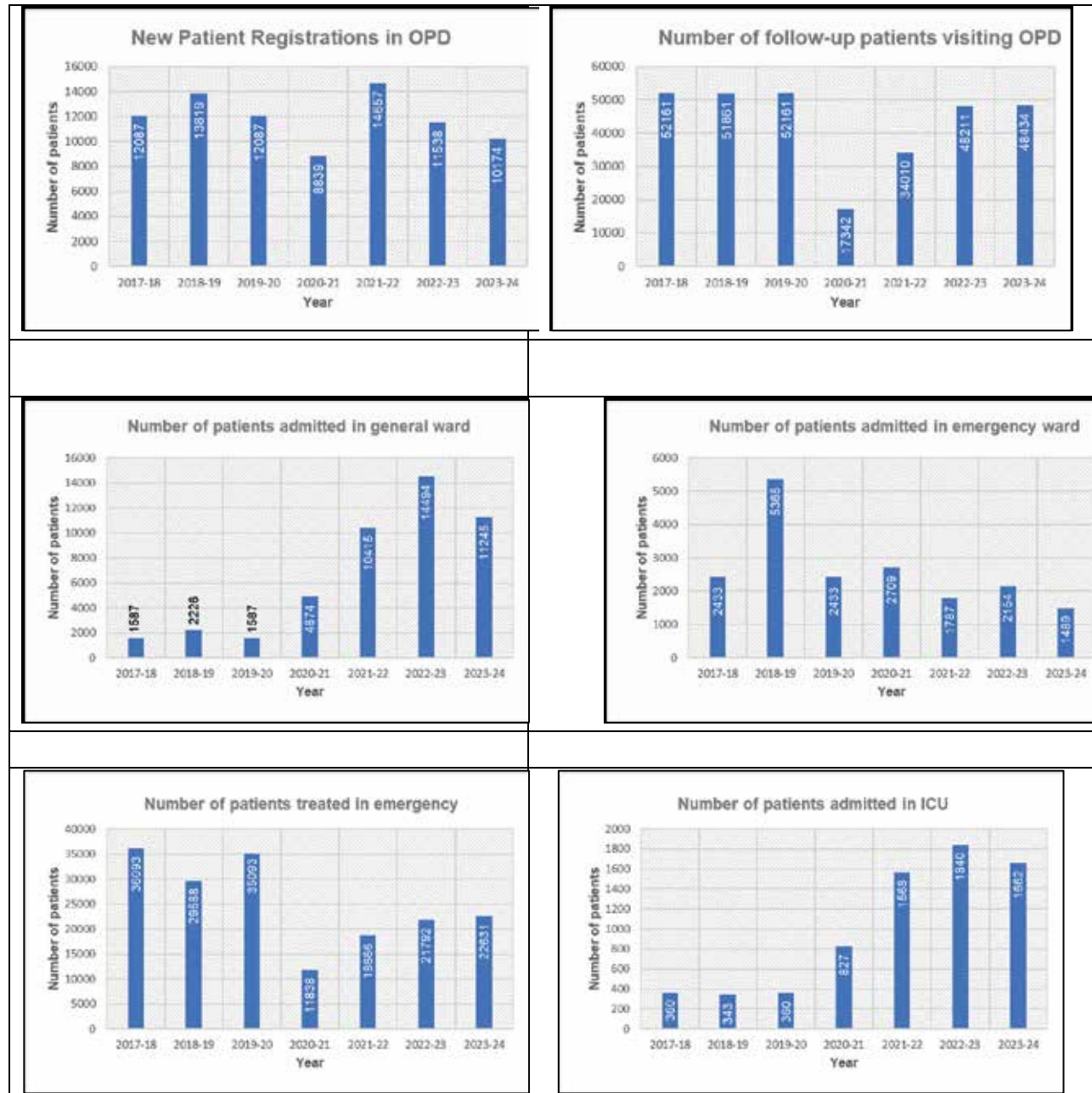
A total of 107 subjects (74.83%) quit their tobacco habit with sessions of behavioral counseling alone. Additionally, three subjects quit their tobacco habit with a combination of behavioral counseling and medication.



The continuous abstinence rates among the 107 subjects at, 2 weeks, 1 month, 3 months, 6 months, 9 months, and 12 months were 74.83%, 70.63%, 55.2%, 42.16%, 24.56%, and 22.22% respectively.

Abstinence Rate	Subjects	(%)
2 weeks abstinence rate (n=143)	107	74.83%
1 month abstinence rate (n=143)	101	70.63%
3 month abstinence rate (n=125)	69	55.2%
6 month abstinence rate (n=102)	43	42.16%
9 month abstinence rate (n=57)	14	24.56%
12 month abstinence rate (n=18)	4	22.22%

Number of Patients availing treatment from VCH over the past 5 years



Yoga Therapy and Research Centre

The Yoga Therapy and Research Centre conducts yoga classes in collaboration with the Morarji Desai National Institute of Yoga (MDNIY), New Delhi, from Monday to Friday between 8 AM and 4 PM at VPCI. Yoga training classes are organized into different batches: a general group class from 8 AM to 9 AM, a therapy class from 11 AM to 12 PM, and a VPCI staff class from 1 PM to 2 PM.

The yoga sessions are specially designed for the management and eradication of various health disorders such as bronchial asthma, hypertension, stress, and obesity. Patients first report to the yoga OPD at VPCI from 9 AM to 3 PM, Monday to Friday. Doctors and yoga staff record the patients' case histories, and necessary counseling is provided by the yoga ARO. Patients are then advised to undergo yoga training and educational sessions tailored to their individual health problems for a specific period until the disease is healed. Patients are re-examined by the yoga therapist to note their improvement. They are then advised to follow a regular home program and attend training sessions once or twice a week at the Yoga Centre for better health and quality of life. Special yoga sessions for VPCI staff are also arranged regularly.

The Yoga Therapy and Research Centre, VPCI, in collaboration with the Morarji Desai National Institute of Yoga, New Delhi, organized the 9th International Day of Yoga program on June 21, 2023, at the institute. Under the supervision of Prof. B.K. Menon, Nodal Officer, Prof. Raj Kumar, Director, and Mr. Likhith Raj KN, Yoga Therapist, the yoga team adopted the common yoga protocol and provided training to faculty, students, staff of VPCI and their family members and general public.



9th International Day of Yoga programme on June 21, 2023 at VPCI

Cardio-Pulmonary Rehabilitation Clinic

Cardio-pulmonary Rehabilitation Clinic (Monday to Friday: 9.00 AM to 1.00 PM)

Cardio-Pulmonary Rehabilitation Clinic:

The Cardio-Pulmonary Rehabilitation Clinic at Vishwanathan Chest Hospital, VPCI, is dedicated to managing chronic respiratory patients who experience disability in daily activities and exercise limitations due to shortness of breath, despite being on optimal pharmacological treatment.

Clinic Timings: Monday to Friday: 9.00 A.M. to 1.00 P.M.

Numbers of patients attended in Cardio-Pulmonary Rehabilitation Clinic: (1st April, 2023 - 31st March, 2024)

Breathing retraining & education : 117

Enrolled for Supervised Rehabilitation program : 26

(Intensive & Maintenance)

Division of Sleep Medicine

Division of Sleep Medicine

Sleep Disorders and Sleep Therapy is a cross-disciplinary area concerned with the psychological and physical health conditions related to sleep disorders and conventional and advanced sleep therapies.

VPCI started the Division of Sleep Medicine in 1999. There has been dramatic growth in clinical activity. The number of patient visits has increased approximately five-fold from fiscal year 2002 to the present. It caters to the need of all in-patients & out-patients with three diagnostic machines functioning.

The Division is managed by experienced staff under the headship of Prof. Raj Kumar and it provides a broad range of studies: overnight sleep studies, split overnight sleep study, WatchPAT diagnostic sleep study, OSA screener and auto CPAP.

The mission at the Sleep Division is to provide comprehensive diagnostic evaluation to individuals having symptoms occurring during sleep or while awake and management to respiratory patients of age 18 yrs and above. Technical staff of the Sleep Medicine Division are fully equipped with knowledge required for sleep studies.

VPCI has trained technical staff dedicated to the diagnosis and treatment of sleep/wake disorders in adults and develop research to lead to a better understanding of normal and abnormal sleep.

The expanded Sleep Medicine Division, located on the first floor of the Vishwanathan Chest Hospital building is 338 square feet in size and has one bed, which is dedicated to research also. The Sleep Division is spacious enough for patients to spend the night and has attached private bathroom with shower. The Division is equipped with new, state-of-the-art equipment and it continues to cater to a wide variety of sleep complaints.

Past clinical research projects include "Prevalence of Obstructive sleep apnea syndrome in Delhi, India"; "A study of sleep-related breathing disorders in chronic obstructive pulmonary disease patients with or without cor-pulmonale"; "Obstructive sleep apnoea, oxidative stress and renal function"; "Obstructive sleep apnoea, oxidative stress and liver function"; "Role of some inflammatory markers in obstructive sleep apnoea: effects of grape seed extract".

Clinical care for the full spectrum of sleep disorders is provided by the outpatient practices.

The Division at present has the following aims and objectives: (1) to provide exceptional health care and support through quality service to all patients with sleep disorders and (2) to conduct high quality research related to sleep disorders (with emphasis on local disease and disorders).

Evaluation and Treatment Options

- CPAP/BiPAP, Mask fitting/Desensitization
- Sleep consultation/Evaluation/ Sleep Counseling
- Sleep studies
- Polysomnography (Includes: EEG, EOG, chin and leg EMG, respiratory monitoring, oxygen saturation, and EKG)
- CPAP titration
- WatchPAT sleep study.
- Split night polysomnography

Research in Sleep Medicine Division

Research activities continued to be a major part of the Institute from the year 2002 onwards. **Thirteen Scientific papers** were written and published in national and international medical meetings and journals from this Division.

Multidisciplinary Research Unit

The MRU at Vallabhbhai Patel Chest Institute, approved by Department of Health Research, Govt. of India is functional since 2015-16. The MRU at VPCI is actively involved in various research activities since its inception. The MRU is a part of the Government of India initiative for establishment of multi-disciplinary research units in Government medical colleges/research institutions during the 12th Plan period.

The VPCI-DHR-ICMR-Multi-disciplinary research unit (MRU) focusses on research in communicable & non-communicable diseases and other need-based research employing newer tools and promotes and encourage quality medical research in the institution.

The Multidisciplinary Research Unit (MRU) is actively involved in various research activities viz. participation in the workshop, meetings with Department of Health Research (DHR), approval of new research proposals, etc. to meet the goals of empowering medical research.

Under the directive of the Department of Health Research (DHR), the MRU celebrated the “Swachhata Hi Sewa 2.0” campaign from September 15 to October 2, 2023. The celebration included activities such as a cleanliness drive in and around VPCI, a seminar for healthcare professionals (HCPs) on biomedical waste management, and a pledge on Swachhata Hi Sewa on September 27, 2023.

LRAC Meetings was held in hybrid mode on 20.07.2023 and 06 new proposals were reviewed and following research projects were approved:

1. Role of host cellular proteins in influenza virus genome delivery and associated innate immune response.
2. Aptamer functionalized liposome: A way toward immuno-targeted RNA based vaccine against influenza Virus.
3. Occurrence of Frailty in Interstitial Lung Disease and its Correlation with Quality of Life.
4. Outcomes and Predictors of Failure of Non-Invasive Ventilation in Acute Exacerbation of Chronic Obstructive Pulmonary Disease with Acute Hypercapnic Respiratory Failure.
5. To Study the Genetic Polymorphisms of CHI3L1 Gene and its association with the Oxidative-Antioxidative balance in Chronic Obstructive Pulmonary Disease in North Indian population.
6. Evaluation of nitric oxide signalling mechanisms during airway inflammation and remodeling in experimental model of bronchial asthma in rats.



LRAC Meetings held in hybrid mode on 20.07.2023



Cleanliness drive in and around VPCI, during "Swachhata Hi Sewa-2.0" campaign



Lecture for HCPs on Biomedical Waste Management & Honoured the safai karamchari on 29.09.2023



Social media campaign #DHRHEALTH

Adverse Drug Reaction Centre

The AMC at Vallabhbhai Patel Chest Institute was approved under Pharmacovigilance Programme of India (PVPI), initiated by CDSCO, the Government of India in 2014. As a Coordinator of Adverse Drug Reaction Monitoring Centre (AMC) of Pharmacovigilance Program of India, MoH & FW, GOI, at V. P Chest Institute, the ADRs are reported to Indian Pharmacopeia Commission (IPC). During current financial year (April 2023- March 2024) we reported total 356 Individual Case Safety Reports (ICSRs), through online software (Vigiflow) to National Coordination Centre (NCC) at IPC. The Causality Assessment of the ICSRs was performed as per WHO scale. The Causal relationships of 261 ADR cases were of 'Possible' category and 95 cases were of 'Probable' category. The cases were submitted to Indian Pharmacopeia Commission (IPC) which are later submitted to Uppasala Monitoring Centre, Sweden. In addition, we reviewed and analysed 165 ICSRs from Marketing Authorization Holders (MAH) from IPC and prepared the score sheets. Our AMC processed 66 adverse drug's reaction voluntary reports by the Non- AMCs to NCC-PvPI, IPC, Ghaziabad. Also processed 22 ICSRs received from Mobile app. The National Pharmacovigilance Week was celebrated from September,17-23, 2023 by conducting following activities at VPCI and surrounding hospitals:

1. E-Poster Competition on Topic- 'Public participation in pharmacovigilance' on 18.09.2023.
2. Hands on Training to Fill Suspected ADR Form for Nurses on 20.09.2023.
3. Pharmacovigilance Awareness Program was conducted at WUS on 21.09.2023
4. CME on topic "Boosting public confidence in pharmacovigilance" on 22.09.2023

The Medical Device Adverse Event Monitoring Centre (MDMC) at Vallabhbhai Patel Chest Institute

The Medical Device Adverse Event Monitoring Centre (MDMC) at Vallabhbhai Patel Chest Institute was approved under Materiovigilance Programme of India (MvPI) on 23.08.2022 and till now 15 adverse events associated with medical devices are reported under MvPI to National Coordination Centre (NCC) at IPC. The MvPI-IPC has been entrusted with the responsibilities related to monitor, collate and analyze the adverse event associated with the use of medical devices in the Indian population and suggesting regulatory bodies to take appropriate action.



CME on Pharmacovigilance "Boosting public confidence in pharmacovigilance" on 22.09.2023



Visits to Schools, Health Centre, Seminar, Poster Competition and training of Staff of VPCI during National Pharmacovigilance Week, 17.09.2023 to 23.09.2023

National Centre of Respiratory Allergy, Asthma and Immunology

1. VPCI-Pollen Count Station

The pollen count station was established on the roof of the VPCI multi-storeyed building, where installed two "Burkard Air Samplers": a seven-day sampler and a one-day sampler have been installed. Both samplers operate continuously, with air samples collected and studied daily. The details of the work done during the tenure are as follows:

From 1st April 2023 to 31st March 2024, a total of 730 slides were mounted and analyzed, comprising 366 seven-day slides and 364 one-day slides. Additionally, since the establishment of the pollen count station, a total of 7432 slides have been mounted and analyzed, including 3862 seven-day slides and 3570 one-day slides.



Table 1. Month wise mean Pollen's Count/m³, Temperature & Humidity during 1st April 2022- 31st March 2024

Date	1day Pollen Count/m ³	7day's Pollen Count/m ³	Humidity (%)	Temperature (Max°C)
1st April 2023	104.53	99	73	34.6
May-23	98.03	87.90	79	35.9
Jun-23	69.3	62.3	82	36.8
Jul-23	97.70	92.90	87	31.6
Aug-23	80.93	78.03	86	34.8
Sep-23	46.06	47.5	85	34.8
Oct-23	47.93	49.70	83	33.0
Nov-23	11.06	12.83	85	26.9
Dec-23	1.22	1.06	89	23.1
Jan-24	1.09	1.06	91	17.1
Feb-24	72.72	69.58	87	22.7
01st March 2024	274.35	282.80	77	29.3

*IARI Metrological Database System Division of Agricultural Physics, IARI, New Delhi IARI: Latitude 28°38'23"N, Longitude:77°09'27"E., Altitude:228.61m above were used to calculate the mean of the maximum temperatures (°C) for weather monitoring stations within IARI, New Delhi

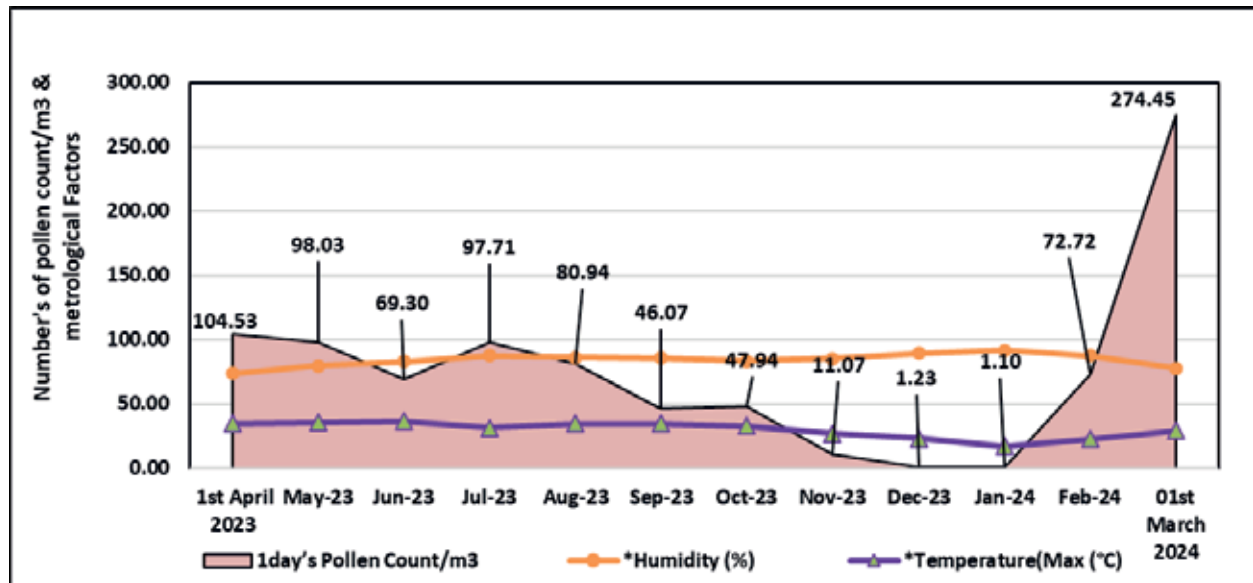


Fig. 1: 1-day pollen count/m³ month wise mean from 1st APRIL 2023 to 31st MARCH 2024

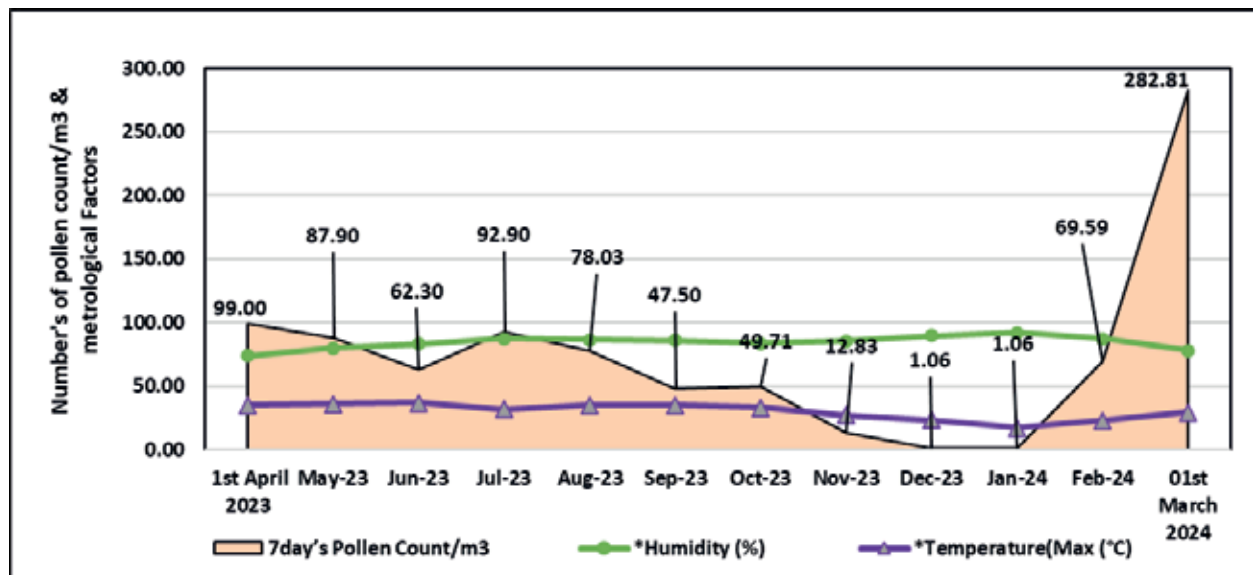


Fig. 2: 7 day's pollen count/m³ month wise mean from 1st APRIL 2022 to 31st MARCH 2024

National Tobacco Quitline Services

The NTQLS is India's first telephonic counseling-based service sponsored by the Ministry of Health & Family Welfare Government of India. The department is working successfully since May 2016 at the Vallabhbhai Patel Chest Institute University of Delhi, under the supervision and guidance of Prof. Raj Kumar, Director, VPCI. The NTQLS was established with the aim of reaching out to the masses and provide confidential and quality counseling services all over India. This service can be easily accessed six days a week, through a toll-free number 1800112356 from 8 AM to 8 PM.

In the period of 1st April 2022 – 31st March 2023, the National Tobacco Quitline Service has reached its pioneer by making people quit the use of tobacco through telephonic counseling. From April 2021 till March 2022, the total number of calls landed on the Interactive Voice response (IVR) was 1090688. The total number of inbound calls during this period was 317892 whereas, the total number of outbound calls was 701408. In this period a total number of 87030 callers were registered who were provided counseling and 17551 were quitted. The success rate of National Tobacco Quitline Service during this period is 20.16%.



E-Hospital Services

Prof. Vishal Bansal (Nodal Officer) and Mr. Sunil Kumar (Technical-in-Charge) were entrusted with the implementation of the E-hospital system and its associated modules at the Institute, in accordance with the directives from the Ministry of Health and Family Welfare, Government of India.

These modules include:

1. E-hospital : Phase-I (Patient registration and Billing)
2. ORS : Online Registration System
3. Mera Aspataal : Patient feedback services
4. Digital Payment: Promotion of digital payment services

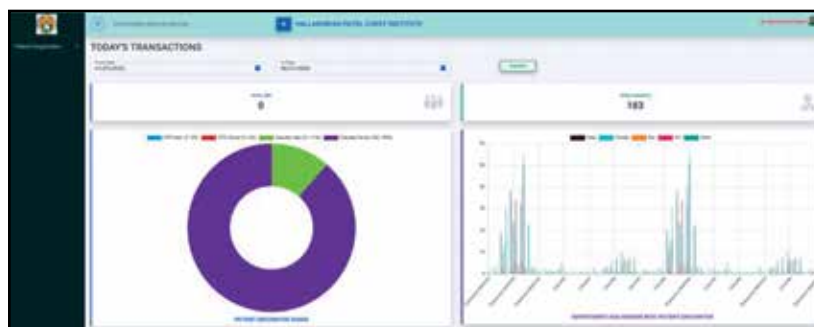
Implementing National Medical Council (NMC) DMMP (Digital Mode Mission Project) directives at VPCI.

It includes:

1. Installing Aadhaar Enabled Biometric Attendance System (AEBAS) for VPCI faculty.
2. Installing 25 IP based CCTV cameras for providing live feed to central command center of NMC.



E-hospital login page



Dashboard of E-hospital

Telemedicine Services

Telemedicine, a term that originated in the 1970s, literally means “healing at a distance.” It signifies the use of information and communication technology (ICT) to improve patient outcomes by increasing access to care and medical information. At VPCI, telemedicine services are conducted from Patient Education Centre (PEC) room no. 26 in the hospital block, between 2:30 PM and 5:00 PM. Doctors on duty use landline telephones, mobile phones, and video calls via WhatsApp to communicate with patients who are unable to attend the OPD due to reasons such as old age, transportation issues, living in remote areas etc.



Telemedicine services at VPCI

Animal House

The Animal House of the Institute is registered with the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), Animal Welfare Division, Government of India, for breeding and conducting experiments on small laboratory animals under registration no. 170/GO/ReBi/S/99/CPCSEA. All experiments involving animals are approved by the Institutional Animal Ethics Committee (IAEC), constituted by CPCSEA. The IAEC ensures a humane approach to animal experimentation, aiming to enhance animal care and quality in the pursuit of advancing scientific knowledge relevant to both humans and animals.

The Animal House provides an optimal environment for experimental animals, which is essential for obtaining reliable research results. It is maintained under controlled environmental conditions as specified by CPCSEA guidelines, including regulated temperature, relative humidity, a timer-controlled light-dark cycle, and air changes per hour with 100% fresh air.

The Animal House is managed by a team of well-qualified professionals, including a veterinarian, technical assistants, and attendants, all experienced and trained in modern methods of animal care, breeding, and husbandry.



Library

The VPCI Library is a vital part of the Institute's support services, providing patient care information support and catering to the academic needs of the faculty members, resident doctors, researchers, and students in the field of Biomedical Sciences, with a specialization in pulmonary diseases and Allied Sciences. It was established in 1955 and has since acquired back volumes of several journals that are more than 100 years old, forming a comprehensive collection of serial publications, annual reviews, and recent advances. Most journals have complete sets of volumes originating right from their treatises of medicine, readily available for primary and historical insights. The Institute has one of the best Pulmonary Disease and Allied Sciences libraries, having 10136 Books, 25026 bound Journals, 178 CDs, 591 Thesis and 32 National and International Reports. A total of 16 journals (05 International and 11 National) are being received in an exchange programme with the Institute's Journal, and 05 journals are accepted on a complimentary basis. To cover the need for daily news related to the medical field, the library also subscribes to four English and four Hindi newspapers. This has encouraged the inculcation of reading habits of all alike.

The library renders its services not only to the scientists/research scholars of the Institute but also to other Colleges and Institutes of the University of Delhi. The Institute has been a National Level ERMED Consortium (e-journals) member since 2018. ERMED Consortium subscribed to 242+ e-journals from five publishers along with Access Medicine Database from McGraw Hill, which includes 160+ Book Titles; 2000+ Clinical Cases, 37900+ Self-assessment Questions; 2900+ Videos, Audio and Multimedia Resources; 600+ Infographic; 7000+ Patient Education Guides; 257000+ High-Resolution Images and 130+ Audio podcasts. All e-journals and other resources are configured on Static IP/IPs of our Institute. The library initiates appropriate efforts from time to time to create awareness among staff, research scholars, students, etc., to enhance maximum utilization of e-journals through customized e-journals gateway <http://www.ermmed.in> and benefit of access/download of articles from the 'Cochrane Library'. This initiative by 'The National Medical Library' is a collection of six databases containing different types of high-quality, independent evidence to inform healthcare decision-making and a seventh database that provides information about the Cochrane groups through a single gateway: <http://www.cochranelibrary.com>. Much emphasis is also placed on providing abstracts, references and specific information if required. Besides this, online searches are being conducted to provide instant access to information resources on researchers' desktops through LAN (Local Area Network). The Internet services have been provided right on the desktop of each Faculty Member through the DUCC network /LAN and a separate Leased line connectivity (VPCI) with 10 Mbps from MTNL. The library also provides inter-library loan facilities and reprographic services on demand.

The library follows an open-access system. The library is equipped with modern information technology equipment and continues to provide Internet/ e-mail services to the users to access CAS (Current Awareness Services) and SDI (Selective Dissemination of Information) services. These are provided to the users in the form of online/offline through e-mail and/or in print during the year. The library uses "LibSys 4.0" Library Management Software, an integrated multi-user management system that supports all in-house library operations. The 'LibSys' consists of modules on acquisition, cataloguing, circulation, serials, article indexing and OPAC.

The Library facilities are available to Members/Users of Delhi University from Monday to Friday from 8:30 A.M. to 5:30 P.M. & on Saturdays from 9.00 A.M. to 5:30 P.M.



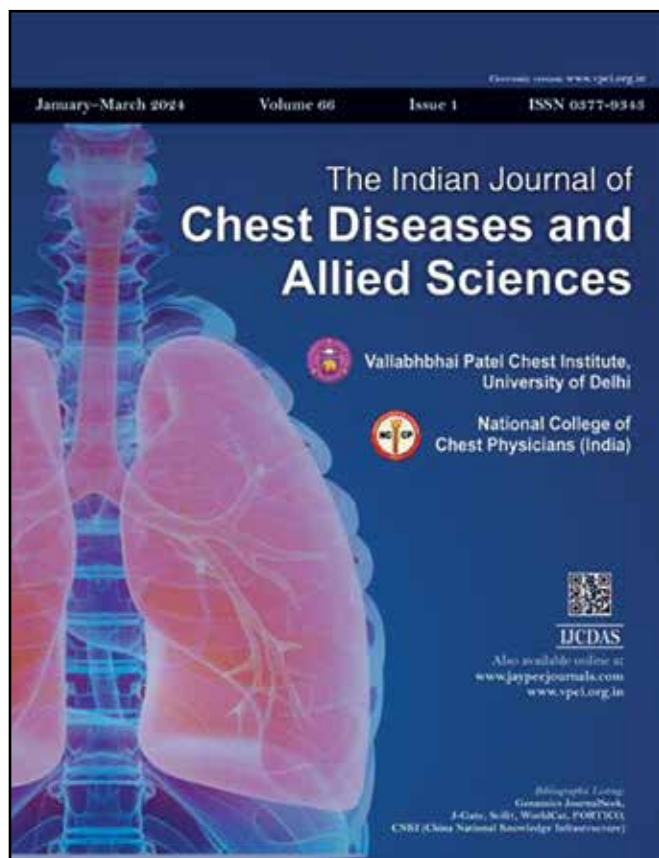
Publication Division

The Publication Division is responsible for publishing the institute's journal "The Indian Journal of Chest Diseases and Allied Sciences (IJCDAS)" and Annual Report. The IJCDAS is published quarterly by the VPCI in association with the National College of Chest Physicians (India). The journal was founded in the year 1959 by (late) Prof. Raman Vishwanathan, Founder-Director of VPCI as an official publication of the VPCI and the Indian Association for Chest Diseases [renamed as National College of Chest Physicians (India) in 1976]. The journal was published as "Indian Journal of Chest Diseases" from 1959 to 1975 and it was renamed as "The Indian Journal of Chest Diseases and Allied Sciences" in 1976. Currently, Prof. Raj Kumar is the Editor-in-Chief of the IJCDAS.

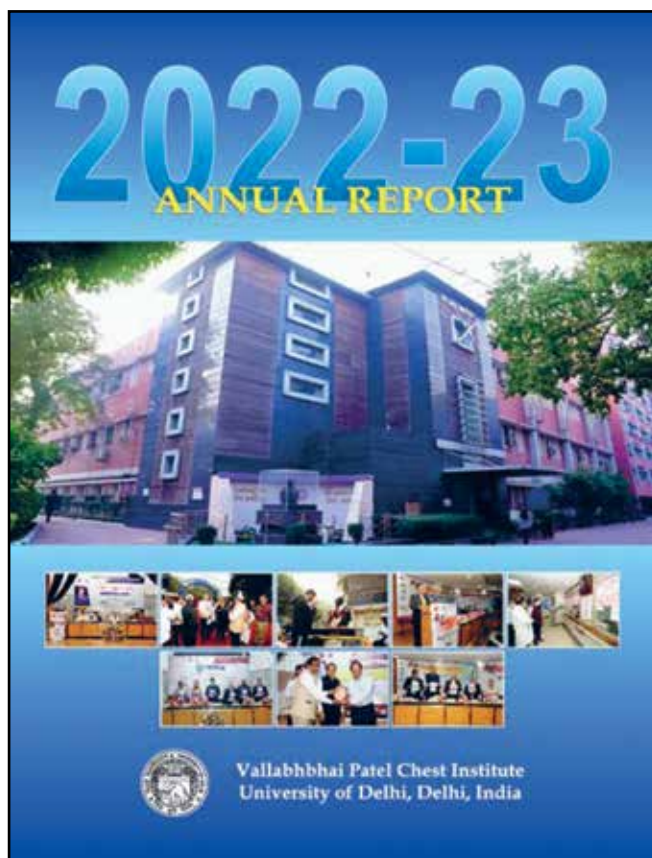
The IJCDAS has a wide National and International circulation and it covers Clinical and Experimental work dealing with all aspects of Chest Diseases and Allied Sciences. It publishes Original Articles, Review Articles, Radiology Forum, Case Reports, Short Communications, Book Reviews. Many eminent scientists and clinicians have served as the Editors, Editorial Board Members and Reviewers of the journal and all of them have contributed immensely to the growth of the journal.

The hardcopy of the journal will be delivered to the subscribers across the globe by speed post. Full text articles published in the Journal (2010 onwards) can be also be accessed online at <http://www.ijcdas.com>. The recent issue of the IJCDAS is Vol 66, issue 1.

Annual report is a compilation of all major activities, events and research output of the institute.



The IJCDAS Jan-Mar, 2024 issue



Annual report of VPCI, 2022-23

The Indian Journal of Chest Diseases and Allied Sciences

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Dashboard of www.ijcdas.com

DEPARTMENTAL ACTIVITIES

Biochemistry

(Including Biochemistry and Clinical Biochemistry)

Summary of the work done:

1. To study the genetic polymorphisms of CHI3L1 gene and its association with the oxidative-antioxidative balance in Chronic Obstructive Pulmonary Disease in North Indian population

This study is an attempt to study and establish the role of single nucleotide polymorphisms (SNPs) in CHI3L1 gene as putative susceptible factor for development of COPD as well as to assess Oxidative Stress by measuring the redox imbalance and its association with genetic polymorphism of CHI3L1 in patients with COPD in the North Indian population. Thus, CHI3L1 gene polymorphisms are expected to be potential biomarkers of COPD susceptibility. This new study is unique because no study has been done on the role of Polymorphisms of CHI3L1 gene in the etiopathogenesis of COPD North Indian population till date. We intend to study the single nucleotide polymorphisms (SNPs) in CHI3L1 gene and its association with COPD in North Indian population using DNA sequencing. We are estimating quantification of the CHI3L1 gene product in serum by ELISA. Also, we are evaluating oxidative stress by measuring redox imbalance with serum biochemical parameters Malondialdehyde, Ascorbic Acid and Glutathione levels. We also aim to study the correlation between CHI3L1 SNPs and its gene product, parameters of oxidative stress, FEV1, FVC and FEV1/FVC ratio. Sample collection and spirometry are being done after taking informed consent from patients and controls. The proposed project is expected to explore the potential relationship between CHI3L1 gene polymorphism and COPD susceptibility, severity & lung function. It is an attempt to unravel the molecular process leading to airway obstruction resulting in development of COPD.

2. 8-Hydroxy-2'-deoxyguanosine as oxidative DNA damage biomarker of severity in COPD patients among North Indian population in a Tertiary Care Hospital

The role of 8-Hydroxy-2'-deoxyguanosine as oxidative DNA damage biomarker of severity in COPD patients among North Indian population is being explored. We intend to study the levels of 8-Hydroxy-2'-deoxyguanosine by ELISA in healthy non-smoker controls, mild-moderate and severe-very severe COPD patients as oxidative DNA damage biomarker. The studies are being done to evaluate redox imbalance by measuring Ascorbic Acid, Malondialdehyde and Glutathione levels in the subjects. The correlation between 8-Hydroxy-2'-deoxyguanosine, oxidant/anti-oxidant levels, FEV1, FVC, FEV1/FVC ratio and sputum cytology is being studied. Sample collection and spirometry are being done after taking informed consent from patients and control subjects.

Whole blood collection: Lavender top vacutainers (EDTA anticoagulant) are being used for whole blood collection. 3 ml whole blood samples are being collected from Viswanathan Chest Hospital. The samples are stored at -800C which will be used for 8-Hydroxy-2'-deoxyguanosine estimation by ELISA.

Serum collection: The blood in the red vacutainer (anticoagulant free) was allowed to clot by incubating at room temperature for 45 minutes and then centrifuged for 15 min at 2500 rpm. The supernatant (serum) was then carefully aspirated without disturbing the cell layer into pre-labelled cryo-vials and stored at -800C which will be used for various biochemical parameters.

Sputum collection: After sputum induction with hypertonic saline (4.5%), sputum samples are being collected in a plastic container and dispersed using dithiothreitol for sputum cell count assessment and inflammatory subtype determination.

3. Examining The Impact Of PXR Gene Polymorphisms on Serum Aminophylline Levels in the Context of Inflammation

We intend to investigate the role of genetic polymorphisms of pregnane X receptor on aminophylline drug levels across different degrees of inflammation in the patients of Bronchial asthma and COPD receiving aminophylline infusion. Our objectives of the study are as following:

Primary Objectives:

1. To determine the prevalence of aminophylline toxicity in patients receiving the infusion.
2. To study PXR gene polymorphisms in patients receiving aminophylline infusion by gene sequencing.
3. To measure serum theophylline concentration (active ingredient of aminophylline) in infusion recipients by HPLC (High performance liquid chromatography) and severity of inflammation by serum CRP (C-reactive protein) levels.
4. To study the correlation between serum drug levels, PXR gene polymorphism and serum CRP levels.

Secondary Objective:

To study the correlation between drug levels and clinical manifestations of aminophylline toxicity.

No study has been done so far to examine the fluctuation in aminophylline drug levels due to pregnane X receptor polymorphisms alongside varying degrees of inflammation in patients with Bronchial asthma and COPD receiving aminophylline infusion.

The department is actively involved in **patient care** by providing diagnostic services for indoor and outdoor patients. Blood and pleural fluid samples are analysed using fully automatic analyzers- Beckman Coulter AU480 and Dirui CS-T240. The tests with total tally for 2023-24 are as mentioned below:

Biochemistry Tests (Blood and Pleural fluid): Patient care	No. of Tests
• Blood glucose	1316
• HbA1C	2738
• Liver function tests	44490
• Kidney function tests	17370
• Total Protein and albumin	10884
• Serum Electrolytes	17919
• Serum Calcium	389
• Serum Phosphorus	174
• Serum Uric acid	98
• Lipid Profile	1671
• Pleural fluid biochemistry	164
Total No. of tests	97213

In our endeavor towards continuous quality improvement for better patient care, the diagnostic Laboratory is enrolled in the NABL accredited proficiency testing provider for Clinical Biochemistry, CMC external quality assurance scheme, and successfully completed the participation for year 2023.

NABH entry level accreditation, VPCI:

Dr. Jayeeta Bhadra was the Co-ordinator for NABH EL Accreditation of Vallabhbhai Patel Chest Institute. The institute was awarded the NABH EL accreditation by constituent board of Quality Council of India on 16.05.2023

Biostatistics

The Department of Biostatistics plays a vital role and forms a supportive department of the research activities of the Institute. It is entrusted to teach basic and advanced Bio-statistical techniques to MD, DM and PhD students of the institute, organize periodical training programs/ workshops related to biostatistics, provide statistical guidance/support on identifying the correct study design, sample size computation, data entry & management, data analysis, interpretation and reporting of the results to faculty and students of the institute, preparation of reports (monthly, quarterly, half yearly and yearly) for the Ministry of Health & Family Welfare, Government of India and Directorate General Health Services, Government of Delhi, Data collection of number of patients attending OPD, ward admits, ICU admits, emergency admits, diagnostic tests, radiological tests done at VCH on a daily basis and Online registration of vital events (deaths).

The Department has identifiable and collaborative research projects with other departments of the Institute.

Research

1. A perspective on alternative methods of tobacco and their harmful effects

Tobacco use, primarily cigarette smoking, is the leading cause of preventable diseases and deaths around the world. It is one of the biggest public health threats, killing over 8 million people annually, with approximately 1.3 million deaths resulting from non-smokers exposed to second-hand smoke around the globe. Various legislations and treaties such as the Framework Convention on Tobacco, cigarettes, and Other Tobacco Products Act (COTPA, India), and tobacco control measures such as MPOWER, have been implemented. Further, in recent years, many advances have been in pharmacological and non-pharmacological tobacco control treatments. However, the tobacco lobby is powerful, coming up with newer ideas to counteract these strategies. According to the WHO, youth are now the new focus of tobacco companies. Therefore, apart from traditional smoking alternatives, there are now newer attractive forms of smoking alternatives available in the market, which can be equally debilitating to human health. These alternatives still contain nicotine, which is highly addictive and may have health risks associated with their use. The current paper explores the diverse forms of alternative smoking namely Electronic Nicotine Delivery Systems (ENDS), Heated Tobacco Products (HTPs), Oral Nicotine Products (ONPs) and Herbal Cigarettes. Additionally, it also elucidates the factors driving their emergence, and their long-term health effects.

2. A study of spatial distribution of Tuberculosis (TB) cases in the states and union territories of India

The study was undertaken to characterize the spatial heterogeneities in TB distribution in the states and union territories of India. This study involved computation of mean annual incidence rate of TB from the year 2017 to 2023, which was depicted in a choropleth map, Global Moran's I index to determine the spatial autocorrelation, Local Indicators of Spatial Association (LISA) to detect hotspots of TB. The 5 year mean annual incidence rate of TB ranged from 25 to 520 per 100000 population in India with Lakshadweep having the least mean annual incidence and Delhi having the highest mean annual incidence. Global Moran's I index value was found to be 0.163, P-value = 0.03 LISA Identified Delhi as the hotspot of TB incidence in India.

Microbiology

(Including Microbiology, Medical Mycology and Respiratory Virology)

TB Lab

Various projects were carried out to understand the drug resistant mechanisms in *M. tuberculosis*. The expression analysis of efflux pump genes of *Mycobacterium tuberculosis* was performed upon linezolid and delamanid exposure. We are also studying the prevalence of bedaquiline and linezolid resistance in the population. Another study was conducted to study drug resistance in *M. tuberculosis* in migrant population. The laboratory also worked on developing a real-time assay to differentiate between *M. tuberculosis* and nontuberculous mycobacteria.

Research

1. Characterization and Molecular typing of clinical, colonising, and environmental isolates of *Staphylococcus aureus*.

A total of *Staphylococcus aureus* (*S.aureus*) isolates, 50 clinical, 40 colonizers and 10 environmental, were included in the study. Out of these 46 were Methicillin-resistant and 54 were Methicillin-sensitive *S.aureus*. Isolates were tested for virulence genes, Panton-Valentine Leukocidin (PVL), Staphylococcal protein A (SpA), α Hemolysin (Hla), Fibronectin-binding protein A (FnbpA) and *MecA* by PCR using published protocols. 31, 70, 53, 92 and 63 isolates were positive for PVL, SPA, HLA, FNBP and *MecA* genes, respectively. The study is underway for the typing of these isolates by Rep PCR and MLST.

2. Hospital Infection Control Surveillance

Routine surveillance of the hospital was performed at regular intervals to screen for pathogens. Various samples from ICU and wards like suction ports, oxygen masks and ports, Mattresses, airbeds, bed railings, hand swabs from health professionals working in these units, and environment samples including air. A total of 83 samples were tested. Pathogenic organisms like *Acinetobacter*, *Klebsiella pneumoniae*, *Escherichia coli*, *Staphylococcus aureus* and *Pseudomonas* were isolated from healthcare workers and hospital environments resistant to most antibiotics. The reports were submitted along with the recommendations.

3. Medical Mycology Unit

1. *Trichophyton indotineae* causing drug resistant dermatophytosis

Dermatophytosis is a superficial fungal infection caused by dermatophytic fungi that affect skin and the keratinized structures (hair and nails) arising from it. In recent years, there has been an increase in the incidence of infections caused by dermatophytes along with a concomitant increase in the number of difficult-to-treat cases making dermatophytosis a significant public health problem. Superficial fungal infections of the skin, hair, and nails are the fourth most common cause of human disease affecting 20% to 25% of the world's population. Here, we analysed the isolates to study the molecular epidemiology of dermatophytes. Overall, 33% of isolates displayed high resistance for terbinafine. 40% of the isolates showed reduced susceptibility towards fluconazole. Whole genome sequencing for 42 isolates was done which confirmed *T. indotineae* to possess characteristic three single nucleotide polymorphisms (SNPs) at position 94 (C), 125 (T) and 462 (T) in the ITS region compared to the reference *T. interdigitale* 428.63 strain. *T. indotineae*, exhibit high level of terbinafine resistance associated with mutations in its molecular target, squalene epoxidase (SQLE/erg1). Of the 42 strains, 27 exhibited SQLE mutations Leu397Phe (n=19) and Leu393Phe (n=8). These isolates had MIC value ranging 4- 32 mg/L whereas the remaining strains had no SQLE mutations. A c.1342G>A mutation corresponding to Ala448Thr amino acid substitution was identified in erg1 of both susceptible and resistant clinical isolates. The overall relatedness of members of *T. interdigitale*/*T. mentagrophytes* species complex was high as we compared genomic features of the available *T. interdigitale*/*T. mentagrophytes* strains in NCBI. Overall, the data revealed that all the *T. indotineae* strains were relating closest to the set studied here. All the isolates characterized in the showed a high similarity of 99.98% with *T. indotineae* TIMM20115. Phylogenetic analysis between our

samples and other *Trichophyton* isolates available in the NCBI database shows that these genomes are closely related to one another and most recently related to the *T. mentagrophytes/interdigitale* complex, seeming to belong to an early diverging clade of the complex. Amongst themselves, the Indian *T. indotineae* genomes have up to less than 50 single nucleotide polymorphisms (SNPs) difference between any two isolates. This led to the clustering our isolates into two separate clades. However, the clustering of *T. indotineae* strains was not based on the terbinafine resistance. However, the whole genomes of *T. mentagrophytes*, *T. interdigitale* and *T. indotineae* are very similar (FastANI values>95%). Further, all *T. indotineae* strains were examined for mating type markers. Across the examined genomes, all had HMG domains and therefore correspond to mating type (+). The presence of secreted lipases and proteases which are important enzymes that serve as key virulence factors along with several classes of cytochrome P450 were observed in our data set.

4. Genomic Analyses of *Lodderomyces elongisporus*

Lodderomyces elongisporus is a recently emerging yeast pathogen predominantly reported in adult patients who had immunosuppression and/or intravenous access devices. It was initially considered a teleomorph of *Candida parapsilosis*. However, DNA sequence analyses revealed it as a distinctive species. Invasive infections due to *L. elongisporus* have been reported globally. Here, we analysed whole-genome sequence (WGS) analyses of the patient isolates (n=12) collected from ongoing surveillance of bloodstream infections due to yeast species. Further, inanimate environmental isolates from hospital fomites (n=2) and from surfaces of fruits (n=12) were also included to understand the genetic diversity. WGS analysis included isolates from other sources in India and grouped them into two clusters: one cluster consists of isolates exclusively from fruits and the other cluster includes isolates from patients, clinical environments, and fruits. All strains from patients were closely related to each other and showed highly similar heterozygosity patterns across all 11 major scaffolds. While overall very similar, the strains from the inanimate environment showed loss of heterozygosity at scaffold 2 (NW_001813676) compared to the patient strains. Interestingly, evidence for recombination was found in all samples. All clinical strains were susceptible to 10 tested antifungal drugs, and comparisons with strains with high fluconazole MICs derived from the surface of fruits revealed significant genome divergence between the clinical and apple surface strains, including 119 non-synonymous single nucleotide polymorphisms (SNPs) in 24 triazole resistance-related genes previously found in other *Candida* spp. Together, our results indicate significant diversity, recombination, and persistence in the hospital setting and a high rate of evolution in this emerging yeast pathogen.

Virology Unit

Research work of virology unit is focused on basic and translational research on emerging and re-emerging viruses viz. influenza, chikungunya, and dengue. The unit is working on viral pathogenesis, the development of novel antiviral strategies, and vaccine delivery approaches against influenza, dengue and chikungunya viruses. Recent achievements of virology unit include the development of a chimeric polyepitope-based vaccine candidate against dengue virus (DENV). It has demonstrated stable interaction of our DENV vaccine with host TLR4, that is further validated in mice for the induction of active cellular immunity against all DENV serotypes. An engineered virus against the influenza virus using antiviral elements such as si-RNA, ribozyme, and antiviral peptides to inhibit the viral replication has also been designed. PhD students are also working on investigation of differential proteome expression profiling of influenza virus infection and NGS sequencing based analysis of genome-wide splicing changes in the host upon influenza virus infection. In DST- sponsored project, the unit is also working on targeted engineered exosomes mediated delivery in dendritic cells as vaccine candidate against influenza virus. The ultimate aim of the virology unit is to improve prevention strategies, diagnostic techniques, treatment methods, and control measures for viral diseases that pose significant threats to human health and well-being.

Pathology

Research

Lung Cancer

1. Correlation of ROS1 and ALK-1 gene expression with pathological type of lung cancer

The Repressor of Silencing 1 (ROS1) is a driver gene of lung cancer with low incidence (1-2%) but promising targeted treatment potential with crizotinib. The subtyping of the lung cancers that carry this gene is not fully understood due to the small to modest sample sizes of the previous studies. Anaplastic lymphoma receptor tyrosine kinase gene (ALK-1) and ROS1 share significant homology, which allows crizotinib to bind to both with high affinity. In the present study we correlated the ROS1 fusion gene expression with gender, smoking status, pathological type and differentiation of tumour and co-existing ALK-1 driver gene mutation. ROS-1 (Clone D4D6) and ALK-1 (D5F3, Companion Assay) was performed on Ventana Roche IHC in Total 45 lung biopsies of lung cancer patients (2022-24). These Patients ranged from 42 to 78 years of age. 31 were Males and 14 were female patients. 8/45 cases were positive for ROS-1 while 9/45 cases were positive for ALK-1 mutation. There was an equal expression of ROS-1 in male and female patients. In female NSCLC patients a prominently higher rate of ROS1 gene rearrangement was observed in non smokers and the prominent histopathology was adenocarcinoma. In male patients, the predominant histopathological type was squamous cell carcinoma (3/4) and associated with history of smoking. A mutual exclusion of ROS-1 and ALK-1 gene expression was seen in 12/32 (37.5%) cases. Coexistence of ALK-ROS1 mutations was seen in 2/8 (25%) cases of lung cancer. NSCLC with local metastasis to pleura and skeletal muscle of thoracic wall were ALK-1 positive, ROS-1 negative in 4/9 (44.44%) cases.

2. Evaluation of PCR-HRM analysis to detect EGFR mutations of lung cancer

Lung cancer patients harbouring mutations in epidermal growth factor receptor (EGFR) gene are treated with tyrosine kinase inhibitor (TKI). In the present study we compared the efficacy of polymerase chain reaction (PCR)-high-resolution melting (HRM) with Amplification Refractory Mutation System (ARMS-PCR) to detect EGFR mutations. A total of 87 lung cancer patients samples were analyzed for EGFR mutation study (Exons-18 (G719X), 19 (Del), 20 (T790M, S768i, Ins), 21 (L858, L861Q). EGFR-activating mutations were detected in 33/61 (54.1%) samples by both HRM and ARMS methods from cytology and biopsy samples. Concordance between the 2 methods was seen in 24/37 (64.86%) (Positive- 6/37 (16.22%) and negative (18/37, 48.65%) samples. The HRM-PCR gave exon specific results with higher sensitivity while the ARMS-PCR showed both Exon and Allele or mutation-specific amplification and with higher specificity. On comparison with histopathology, the non-small cell carcinomas showing local metastasis to pleura, adipose tissue and skeletal muscle showed higher incidence of resistant EGFR mutations (T790M, L861Q and G 719X).

3. Concomitant mutations of KRAS and BRAF mutations in lung cancer

BRAF and KRAS are two key oncogenes in the RAS/RAF/MEK/MAP-kinase signaling pathway. While previously considered mutually exclusive, concomitant mutations in both KRAS and BRAF genes have been identified in colorectal cancer (CRC). As of today, the co-occurrence of KRAS and BRAF mutations in lung adenocarcinoma is thought to be rare (occurring in 0.001%) and not well established. In the present study we evaluated the concomitant expression of BRAF and KRAS expression in 46 patients of newly diagnosed cases of lung cancer who presented to VPCI OPD. BRAF and KRAS mutations were assessed using the ARMS PCR method. These two mutations were found to be mutually exclusive in 20/46 (43.48%) cases. This is similar to previous studies which have found KRAS and BRAF mutations to be mutually exclusive; however the reason for this mutual exclusivity remains unknown. A concomitant positivity for KRAS and BRAF was seen in 6/46 cases (2.17 %). This low concurrence seen in the present study are similar to study by the Lung Cancer Mutation Consortium which evidenced the occurrence of BRAF mutations with other concomitant oncogenic drivers (including KRAS) in a limited number of patients (5%).

Lung Fibrosis

4. Role of Interferon regulatory factor-5 in macrophage activation and phenotype modulation

In this ongoing study we are evaluating the macrophage phenotype changes in experimental model of lung fibrosis and invitro after bleomycin instillation using M1 (IRF-5, CD86), M2 (Arg1, CD206) markers. Interferon regulatory factor-5 (IRF-5) is a transcription factor in the type I Interferon (IFN) pathway and is considered as central regulator of inflammatory and immune response. IRF-5 is highly expressed in human M1 compared to M2 macrophages. IRF-5 is activated by interaction with a wide range of pattern-recognition receptors (PRR's) such as Toll like receptors (TLRs-) 3,4,7,8,9 PAMPs etc. IRF-5 upregulates the expression of pro-inflammatory genes such as IL-12b and IL-23a, while repressing anti-inflammatory genes such as IL-10. It therefore determines tissue response whether inflammatory or fibrotic process. In the present study, we are evaluating the IRF-5 expressed by the U-937 macrophage cell lines in vitro in four Groups- Group I-non-activated macrophages (M0), Group II-M2 transformed macrophages (IL-4, IL-13), Group III-Bleomycin transformed macrophages (M2+M1). Groups (IVa-e) - Groups I/II + Pirfenidone std/Pirf-NPs. The cells are cultured in RPMI media and treated with IL-4, IL-13 and bleomycin to differentiate them into M2/M1 phenotype. 24 hours later, the cells were treated with the antifibrotic pirfenidone and its nanoformulations. RNA was extracted and IRF-5 gene expression estimated by qRT-PCR by $\Delta\Delta CT$ method. In Group III, significant upregulation of the M1 proinflammatory marker (Mean FC-5.975) was seen after bleomycin instillation at 24 hours. IRF-5-activation leads to TNF IL-6, IL-12, IL-23 secretion and M1 macrophage polarization. In Groups IV(a-e) Pirfenidone and its nanoformulations showed a significant downregulation of IRF-5 as compared to Group III. By reducing IRF-5, they downregulate the IFN-dependent genes, inflammatory cytokines and modulate apoptosis genes. Thus pirfenidone and its nanoformulations downregulate the classically activated macrophages (M1) that maintain tissue inflammation and play a role in resolving lung inflammation and aberrant wound fibrosis.

5. MiRNA modulation of macrophage phenotype as multi-omic therapeutic targets in lung fibrosis and PAH

Macrophage polarization dynamically determines the outcome of lung to injurious stimuli via inducing pro-inflammatory responses or resolving inflammation in fibrotic lung diseases. Macrophages, are the predominant inflammatory cells infiltrating around pulmonary artery hypertension (PAH) lesions and play a crucial role in exacerbating pulmonary vascular remodeling in PAH. The miRNAs that promote macrophage activation, differentiation, polarization and regulate lung fibrosis and PAH remain to be elaborated. Previously the potent vasoconstrictor peptide endothelin-1 (ET-1) has been shown to induce M2 polarisation. We hypothesized that a dual endothelin receptor antagonist-Bosentan, that is used to treat PAH, may be effective in attenuating both lung fibrosis and PAH by regulating the alveolar macrophage polarisation. Wistar rats were divided into three groups: Group-I-(control,n=18), Group-II-(bleomycin,7U/kg,n=18),Group-III (Bleomycin+ Bosentan,50mg/kg/day, P.O,n=18). Animals were euthanized (day-7,14,28) and lung histopathology was correlated with NF- κ B p65 (Clone-Sc109), Caveolin-1 (Clone-Sc894), CD-206 (Clone No-PAB-101667) & CD-86 (MA-532078) protein expression-by Immunohistochemistry (IHC). The localization of immunoreactivity was noted in the alveolar macrophages and protein expression was quantified using Nikon Microscope and NiS-E, AR Image analysis system. Lung-miRNA (miR-21,Let-7f), TGF- β mRNA levels, Real-time PCR was performed. Bleomycin induced progressive lung parenchymal remodelling and fibrosis that was associated with macrophage phenotype shift from M1 to M2 phenotype from Day-7 to 28. In Group II, Bleomycin induced upregulation of miRNA-21, TGF- β 1 mRNA, CD-206 (M2 marker) and NF- κ B protein expression by interstitial macrophages (Day-7 onwards) with downregulation of Let-7d miRNA, CD-86(M1 marker) and Caveolin-1 protein expression as compared to Control- Group which correlated with increasing Grade of lung Fibrosis. In Group III, Bosentan therapy resulted in significant reduction of miR21 and TGF- β 1 from day 14 onwards as compared to Group II. This correlated with reduction on absolute numbers of CD-206 positive M2 macrophages, downregulation of NF- κ B in alveolar macrophages. Bosentan significantly upregulated Let-7d expression on day 28 which correlated with caveolin-1 upregulation in macrophages. Thus demonstrating the action of the Endothelin receptor antagonist, bosentan on macrophage polarisation via regulating the microRNA Let-7d- Caveolin-1- NF- κ B signaling pathway resulting in attenuating of lung fibrosis.

6. Evaluation of Arginase-1 as a potential biomarker of progression of Epithelial mesenchymal transition (EMT)

Arginase is a cytosolic protein expressed mainly by the cells of the myeloid lineage, liver, M2 macrophages. Upregulated arginase-I, II expression is associated with several pathological process ranging from cardiac, immune mediated, neurological and tumorigenic conditions. Arginase 1 expression in IPF is functionally important for :- (i) cytokine synthesis and release of cytokines into blood in early inflammatory phase. (ii) Collagen deposition in lung fibroblast in late fibrotic phase. (iii) Decrease in inducible NOS activity in systemic inflammation. The arginase mediated L-arginine depletion leads to (i) profound suppression of T cell immune response. This has emerged as the fundamental mechanism of inflammation associated immunosuppression. (ii) imbalance in production of L-ornithine and its downstream metabolites (Polyamines and proline) triggering the deregulation of protein synthesis and leading to cell proliferation, fibrosis etc. In macrophages, the enzyme arginase drives the second or alternative pathway of arginine metabolism, resulting in the catalyses of arginine to ornithine and urea. In the present study, we are evaluating the Arginase-1 expressed by the U-937 macrophage cell lines in vitro in four Groups- Group I-non-activated macrophages (M0), Group II-M2 transformed macrophages (IL-4, IL-13), Group III-Bleomycin transformed macrophages (M2+M1). Groups (IVa-e) - Groups I/II + Pirfenidone std/Pirf-NPs. RNA was extracted and Arginase-1, TGF β , Smad gene expression estimated by qRT-PCR by $\Delta\Delta$ CT method. In Group II, significant upregulation of Arginase-1 (Mean FC-2.37) was seen as compared to Group III, suggestive of initial polarisation of macrophages to M1 phenotype after bleomycin instillation at 24 hours in Group III. This correlated with upregulation of the TGF β -Smad pathway and progression of EMT. Thus demonstrating that macrophages with proinflammatory phenotype lead early stages of bleomycin-induced EMT and fibrosis.

Nanotherapy

Nanotheranostics and Targeted Delivery of conjugated nanoformulations to lung in Diffuse parenchymal lung diseases

Theranostics is an emerging field of medicine, that encompasses therapeutics and diagnostics in a unique combination to simultaneously or sequentially diagnose and treat medical conditions. In this ongoing study we are exploring the the existing status of nanotherapeutics for image-guided radiodiagnosis and therapy in DPLD- malignant and non-malignant. Inhaled Nano-formulations can confer numerous additional benefits for drug delivery to lung as they can deliver poorly water-soluble drugs to the lung at an enhanced drug concentration as compared aqueous or powdererd form. These will be significant in the upcoming molecular nanoimaging techniques and siRNA gene delivery techniques and prove helpful in early detection strategies that are needed to enable early interventions. Targeted RNA interference (RNAi) or gene silencing therapy is emerging as promising candidate for precision medicine in cancer, due to their ability to effectively downregulate the expression of target genes. The inhaled nanoformulations designed in our Laboratory have been submitted to ICMR for Patent filing.

Pharmacology

Research

1. Pharmacological studies on *Hedychium spicatum* on airway inflammation and remodeling in experimental model of bronchial asthma

During this period we had done rat's whole body plethysmography, Cell Count some cytokine test such as IL-4, TNF- α , NF kB, in Blood and BAL fluid in OVA sensitized and challenged rats. Overall analysis showed that the level of IL-4, TNF- α , NF kB, eosinophil and neutrophil Cell Count were increased in experiment control group in both blood and BAL Fluid along with increased airway hyperresponsiveness as compared to normal control group. In this experiment the prednisolone is used as positive control group. Prednisolone treated group reduced the level of all above parameters in both blood and BAL Fluid. The histopathological changes observed in experimental group, were reduced by administration of *Hedychium spicatum* at all doses (100 mg/kg, 200 mg/kg, 400mg/kg) or treated group but the level were much reduced in *Hedychium spicatum* 400mg/kg which was comparable with prednisolone treated group. The results showed that *Hedychium spicatum* has anti hyperresponsiveness effect as observed by whole body plethysmography.

2. Pharmacological studies to evaluate the anti-inflammatory and immunomodulatory effects of *Aerva lanata* Linn. in experimental models of Bronchial asthma and the cellular and molecular mechanism

The study evaluated levels of rat's cytokines viz, IL-4, TNF- α , NF kB, markers of airway inflammation and immunity in Blood and BAL fluid of OVA sensitized and challenged rats. Further, whole body plethysmography was conducted to evaluate hyperresponsiveness to spasmogens (methcholine), Overall analysis showed that the level of IL-4, TNF- α , NOx whole body plethysmography, NF kB, levels were increased in experimental control group in both blood and BAL Fluid as compared to normal control group. In this experiment the prednisolone is used as positive control group. Prednisolone treated group reduced the level of all above parameters in both blood and BAL Fluid. The above histopathological changes were reduced in *Aerva Lanata* Linn. in all doses (25 mg/kg, 50 mg/kg, 100mg/kg) or treated group but the level was much reduced in *Aerva Lanata* Linn. 100mg/kg which was comparable with prednisolone treated group. So the result showed that *Aerva Lanata* Linn. have anti asthmatic effect.

3. Evaluation of nitric oxide signalling mechanisms during airway inflammation and remodelling in experimental model of bronchial asthma in rats

The study was aimed at studying the effects of NO precursor (L-arginine) and specific inhibitors of NOS, viz. eNOS inhibitor (L-NAME), nNOS inhibitor (7-NI) and iNOS inhibitor (Aminoguanidine) on airway inflammation, airway remodelling and oxidative stress in an experimental model of bronchial asthma in rats. Asthma was experimentally induced by immunization with ovalbumin (OVA, 40 mg/rat, i.p.) adsorbed to 2 mg of aluminium hydroxide. Fourteen days after the immunization, the rats were challenged with 1% OVA aerosol for 20 minutes/day for 8 consecutive days. All drugs and vehicles were administered 30 minutes prior to 1% OVA aerosol challenge, daily for 8 days. The results showed that both NO mimetic, L-arginine and NO depletors (L-NAME, 7-NI and Aminoguanidine) attenuated (a) airway inflammation and (b) airway remodelling in OVA-induced asthma models. The results are interesting in that drugs influencing NO concentrations in opposite directions have similar effects in both asthma models. It is suggested that NOS inhibition results in NO depletion to result in anti-inflammatory and anti-fibrotic effects in the airways. On the other hand, it is possible the reported iNOS inhibitory effects of L-arginine could have predominated to induce attenuating effects on asthma pathophysiology. Further, interactions of NO with oxidative stress could also have contributed the observed effects with NO modulators in the asthma.

4. Effects of nitric oxide (NO) donors and arginase inhibitor on inflammation and oxidative stress in an experimental model of asthma in rats and the possible mechanisms

The study has been designed to evaluate the effects of NO donors, NO precursor, and arginase inhibitors on airway inflammation and remodeling in OVA induced experimental model of bronchial asthma in rats. Different drugs being administered are arginase inhibitor (Arginine, Aminoboronohexanoic acid), NO releaser (Isosorbide dinitrate) and prednisolone. Inbred Wistar rats of either sex (180-250 g) are used for this study (n = 6 per group). Rats were anesthetized, and blood was collected by cardiac puncture and BALF collected by conducting a bronchoalveolar lavage through a tracheal cannula. Both blood and BAL were centrifuged and stored at - 80°C for assay of cells and various biochemical markers like Cytokine (TNF- α , IL-10), OVA-specific IgE, Malondialdehyde, GSH, Nitrate and Nitrite and NF- κ B. The ELISA kits are being procured for the study.

5. A clinical study to monitor adverse drug reactions in elderly and non-elderly patients of COPD

The study has been initiated in collaboration with the Dept. of Pulmonary Medicine, Viswanathan Chest Hospital, VPCI. The protocol has been approved on 15 March 2024 at VPCI, Delhi. As per sample size calculations 62 elderly (above 60 years) and 62 non-elderly patients diagnosed with COPD by the Pulmonary physician, satisfying exclusion and inclusion criteria will be enrolled for the study. Thesis will be focussing on comparing the adverse drug reactions in elderly and non-elderly COPD patients. Also, will be giving more focus on multi-morbidities and polypharmacy impact on adverse drug reactions.

Physiology

Providing IT & E-hospital Services, Implementing National Medical Council (NMC) directives and Swachhtha Action Plan (SAP):

1. Nodal officer along with Mr. Sunil Kumar, Technical-in-charge for implementing E-hospital and associated modules at the Institute as per directions of Ministry of Health and Family Welfare, Government of India.
2. Implementing National Medical Council (NMC) DMMP (Digital Mode Mission Project) directives at VPCI.
3. Implementing Swachhtha Action Plan (SAP) as a Nodal Officer for VPCI.

Pulmonary Medicine

(Including Pulmonary Medicine, Cardio-respiratory Physiology and Respiratory Allergy and Applied Immunology)

Research

1. Air pollution and its effects on emergency room visits in tertiary respiratory care centres in Delhi, India

Environmental pollution has harmful effects on human health, particularly the respiratory system. We aimed to study the impact of daily ambient air pollution on daily emergency room visits for acute respiratory symptoms. This study was conducted in two tertiary respiratory care centres in Delhi, India. Daily counts of emergency room visits were collected. All patients attending the emergency room were screened for acute onset (less than 2 weeks) of respiratory symptoms and were recruited if they were staying in Delhi continuously for at least 4 weeks and having onset (≤ 2 weeks) of respiratory symptoms. Daily average air pollution data for the study period was obtained from four continuous ambient air quality monitoring stations. A total of 61,285 patients were screened and 11,424 were enrolled from June 2017 to February 2019. Cough and difficulty in breathing were most common respiratory symptoms. Poor air quality was observed during the months of October to December. Emergency room visits with acute respiratory symptoms significantly increased per standard deviation increase in PM10 from lag days 2-7. Increase in wheezing was primarily seen with increase in NO₂. Pollutant levels have effect on acute respiratory symptoms and thus influence emergency room visits.

2. Pulmonary Function and Diffusing Capacity of Carbon Monoxide in Hypersensitivity Pneumonitis: An Observational Study of 152 Patients

Hypersensitivity pneumonitis (HP) is an inflammatory and/or fibrotic lung disease. The restrictive lung function with low diffusing capacity of carbon monoxide (DLCO) is common in interstitial lung diseases (ILD). There are limited data on pulmonary function test (PFT) in HP and its role for diagnosis is questionable. We analyzed the data of 152 HP patients for type of defect, lung volume, and DLCO. The present study is a retrospective analysis of 152 patients at one of the tertiary chest institutes in India. All diagnosed cases with at least spirometry were included. PFT findings were classified and graded as obstructive, restrictive, and mixed patterns. The correlation of PFT was calculated with disease duration and 6MWT distance. The majority were female [106 (70%)], with a mean age of 47.8 ± 12.3 years. Spirometry with lung volume data were available for 97% patients. PFT was abnormal in 118 (80%) cases. Among the patterns of abnormality, the most common type was restrictive (74%) followed by mixed (15%) and obstructive (11%) with the majority in the severe to very severe grade. The mean total lung capacity (TLC) and residual volume (RV) were reduced, with the grade more severe when the pattern of abnormality was restrictive while the RV/ TLC was higher suggestive of air trapping. DLCO data were available for 132 (87%) cases, with levels decreased in 67%. The severity of DLCO was highest when the pattern of abnormality was restrictive. One of the PFT parameters was abnormal in 137 (90%) cases, with isolated decreased DLCO levels seen in 16 (10%) cases. Forced vital capacity (FVC), TLC, and DLCO showed positive correlation with 6MWT distance (FVC $r = .22$, $P = .02$; TLC $r = .28$, $P = .003$; DLCO $r = .30$, $P = .002$). The PFT abnormality is seen in $>80\%$ of HP patients. All types of abnormality were seen, with the restrictive pattern being the most common. Isolated decreased DLCO levels were seen in 10% of cases. We advised to do full PFT for diagnosis and follow up of HP.

3. Quantification of Indoor Respirable Suspended Particulate Matters (RSPM) and Asthma in Rural Children of Delhi-NCR

Objective of the study is to assess the exposure of indoor respirable suspended particulate matters (PM₁₀, PM_{2.5}, and PM₁) and their association with asthma in children in a rural area of Delhi-NCR. Methods It was a cross-sectional study. Fifty children with asthma from both biomass fuel users in group A and liquefied petroleum gas (LPG) fuel users in group B households were enrolled along with 50 healthy control subjects.

The diagnosis of asthma was done as per the Global Initiative for Asthma (GINA), 2014. The 24-h levels of PM from all three groups of households were measured and compared. The level of PM with confounding factors like smoking and room occupancy was also compared between the groups. Results The 24-h concentrations of PM₁₀, PM_{2.5}, and PM₁ were found significantly higher in the households of group A and group B as opposed to group C ($p < 0.001$). The number of smokers with a mean pack year and a lack of an exhaust fan was highest in group A and lowest in group C, while diesel and kerosene machines were highest in group B. The PMs were highest in group A even with different confounding factor ($p < 0.001$). The level of all PM was higher in group B than in group C, despite the presence of both types of fuel in group C households. The level of all PM was highest during the cooking hour. Conclusion The level of 24-h PM was highest in group-A households. However, the level of PM was higher in group-B households than group C despite the presence of biomass fuel users in group C. This may be due to the higher number of smokers, poor room-occupancy and lack of exhaust fans.

4. Role of sleep questionnaires in predicting obstructive sleep apnea amongst interstitial lung diseases patients

The co existence of obstructive sleep apnea (OSA) and interstitial lung diseases (ILD) results in significant morbidity and mortality. So, screening for OSA is important for its early diagnosis among ILD patients. The commonly used questionnaires for screening of OSA are Epworth sleep score (ESS) and STOP BANG. However, the validity of these questionnaires among ILD patients is not well studied. The aim of this study was to assess the utility of these sleep questionnaires in detection of OSA among ILD patients. It was a prospective observational study of one year in a tertiary chest centre in India. We enrolled 41 stable cases of ILD who were subjected to self reported questionnaires (ESS, STOP BANG, and Berlin questionnaire). The diagnosis of OSA was done by Level 1 polysomnography. The correlation analysis was done between the sleep questionnaires and AHI. The sensitivity, specificity, positive predictive value (PPV), and negative predictive value (NPV) were calculated for all the questionnaires. The cutoff values of STOPBANG and ESS questionnaire were calculated from the ROC analyses. P value of 90%. The sensitivity also increased with the increasing severity of OSA. AHI showed positive correlation with ESS ($r = 0.618$, $P < 0.001$) and STOPBANG ($r = 0.770$, $P < 0.001$). The ESS and STOPBANG showed high sensitivity with positive correlation for prediction of OSA in ILD patients. These questionnaires can be used to prioritize the patients for polysomnography (PSG) among ILD patients with suspicion of OSA.

5. Impact of air pollutants, meteorological factors on pollen counts, and its association with patient's emergency hospital visits in the North Delhi region

Meteorological factors and environmental air pollutants may affect pollen counts in the North Delhi region that produce a variety of pollen and it may affect patients with respiratory illness. This study was planned to see the effect of meteorological factors and environmental air pollutants on pollen counts and its association with emergency hospital visits. From 2015 to 2020, atmospheric pollen was collected (24 h sampling) using a Volumetric Burkard Air Sampler. The total pollen count was ($n = 461,474$) in the last 6 years and the maximum pollen count was ($n = 85,363$) observed in the year 2016. Pollen count was high (>500) in the months of March and April during the study tenure, however, October month of the year 2015 and 2017 also crossed this range of pollen count (>500). During the years 2015–2020, nitrogen dioxide and carbon dioxide had a negative association with pollen count that was statistically significant ($P < 0.05$), but sulfur dioxide had a positive correlation that was statistically significant ($P < 0.05$). Maximum emergency hospital visits were in 2019. Pollen count positively correlated with emergency hospital visits only for the year 2015. This study concludes that meteorological factors and environmental air pollutants have a significant influence on the pollen counts that may affect the patient's hospital visits.

6. Assessment of frailty and its predictors in chronic obstructive pulmonary disease

Frailty represents a state of risk in which a relatively small stressor results in a disproportionate decline in health status. This study aims to determine the prevalence of frailty among patients with COPD in the Indian population and its associated risk factors. Methods: A descriptive cross-sectional study was conducted in 150 COPD patients. Frailty was assessed using the frailty phenotype method. The mean age (SD) of the study population was 60.59 (5.9) years with 88.67% males and 53.33% ex-smokers. The prevalence of frailty was 51.33% (n = 77). Most of the frail patients belonged to GOLD group D (66.23%) ($P < 0.0001$). Post-bronchodilator FEV1(%) was lowest in the frail group (40 [36–47]%) ($P < 0.0001$). Risk of frailty significantly correlated with smoking pack years (1.036; 1.001–1.074), history of 1 exacerbation in last year (6.810; 2.036–22.779), post-bronchodilator FVC(%) (0.955; 0.926–0.985), post-bronchodilator FEV1(%) (0.940; 0.913–0.968), distance covered in 6-minute walk test [0.975; 0.965–0.986] and dyspnoea severity [1.044; 1.024–1.063]. In multivariate regression, 6-minute walk distance and GOLD group B were the independent predictors of frailty in COPD. Conclusion: The prevalence of frailty in Indian patients with COPD was 51.33%. Six-minute Walk distance is an important predictor of frailty. Early identification of frailty will lead to prompt intervention and rehabilitation.

7. Pulmonary Sarcomatoid Carcinoma Presenting as Massive Pleural Effusion

Pulmonary sarcomatoid carcinoma (PSC) is an extremely rare subtype of non-small cell lung carcinoma (NSCLC) commonly seen in elderly smoker males with non-specific clinical features. The confirmed diagnosis is done if tumor contains both sarcomatoid and epithelial components with at least 10% of the tumor and usually requires IHC confirmation. The preoperative diagnosis is very difficult due to the rarity of the disease and histological over/under presentation. Pleural involvement with effusion is not a common presenting feature of PSC. The tumor is usually locally advanced with a poor prognosis and had poor survival rate. We report a unique and rare case of PSC in a middle-aged, non-smoker lady with massive pleural effusion. She presented with sudden onset massive effusion. The computed tomography (CT) chest showed massive effusion with multiple pleural nodules and thickening. The diagnosis was confirmed by histopathology and immune histochemical (IHC) staining of thoracoscopic pleural biopsy.

8. Exploring the nexus: Asthma prevalence, smoking habits, and medication adherence among urban slum dwellers of Delhi

Asthma is chronic lung disease. Reducing exposure to tobacco smoke is vital for both primary prevention of asthma and disease management. Adherence to medical advice is crucial for the effectiveness of treatments. This research explores the connected dynamics of smoking habits, asthma prevalence, and medication adherence among urban slum dwellers. A door to door survey was conducted in two urban slums of Delhi, employing a random sampling method to study 318 households comprehensively. Two proficient research volunteers administered a questionnaire designed to assess smoking habits, asthma prevalence, adherence to prescribed medications, and devices used by individuals with asthma. The overall prevalence of asthma was found at 1.6%, with gender specific rates of 0.9% and 0.7% for males and females, respectively, with a mean age of 35.62 years (standard deviation = 15.93) in the population of 1376 individuals. Within the cohort of asthmatic patients, 13.6% exhibited severe asthma. Despite their asthma diagnosis, 9.1% were current active smokers, and 18.2% transitioned to the use of smokeless tobacco. The odds ratio for being asthmatic in smokers as compared to nonsmokers was 2.11 (95% confidence interval: 0.81–5.46, $P = 0.1224$). A significant proportion of patients displayed lapses in adhering to prescribed medication regimens. The current study sheds light on a concerning trend of negligence observed in both medical adherence and smoking habits among asthmatic patients. The findings underscore the imperative for targeted interventions and educational initiatives aimed at enhancing adherence to medical regimens and mitigating smoking behaviors within this vulnerable patient population. Addressing these factors is pivotal for enhancing comprehensive asthma management, alleviating associated risks, and promoting more favorable long term health outcomes.

Postgraduate Training and Teaching

The Institute was initially started with a Diploma Course in Tuberculosis and Chest Diseases (DTCD). Later the MD, DM and PhD courses were started. The Institute continues to conduct the MD, DM and PhD courses in Pulmonary Medicine, Biochemistry, Microbiology, Pharmacology and Physiology. The details of the students currently enrolled in these courses are presented here.

DM Degrees (Ongoing) (Session: 2022-2025)

S. No.	Name (Discipline)	Title of Theses	Supervisor
1.	Dr. Jedidiah Deva (Pulmonary Medicine)	Clinical characteristics, sputum microbiome and inflammatory profile in patients admitted with acute exacerbation of Tobacco related COPD and Biomass fuel exposure related COPD: A prospective comparison study at a tertiary center in North India.	Prof. Raj Kumar
2.	Dr. Mridul Kumar Sarma (Pulmonary Medicine)	To study clinical profile, quality of life and avian antigen profile of non-occupational/environmental pigeon exposed hypersensitivity pneumonitis patients presenting to a tertiary care center in India.	Prof. Raj Kumar

DM Degrees (1st Year) (Session: 2023-2026)

S. No.	Name (Discipline)	Title of Theses	Supervisor
1.	Dr. Kaushik N (Pulmonary Medicine)	Analysis of risk factors for the development of a post-bronchoscopy complications among patients undergoing flexible bronchoscopy in a tertiary care hospital in North India: A prospective observational study	Prof. Raj Kumar
2.	Dr. Anjali M S (Pulmonary Medicine)	Assessment of delay in the diagnosis of ILD and factors affecting the delay	Prof. Raj Kumar

MD Theses (Awarded)

(Session: 2020-2023)

Name	Discipline
Dr. Shyam Mohan K	Pulmonary Medicine
Dr. Irshad Ahmad	Pulmonary Medicine
Dr. Pooja Narwal	Pulmonary Medicine
Dr. Saatvik Manchanda	Pulmonary Medicine
Dr. Sharmistha Dutta	Pulmonary Medicine
Dr. Jyoti Choudhary	Microbiology
Dr. Anmol Guleria	Microbiology
Dr. Mihir Chauhan	Pharmacology

MD Theses (Submitted)

(Session: 2021-2024)

S. No.	Name (Discipline)	Title of Theses	Supervisor
1.	Dr. Pranab Sarma (Pulmonary Medicine)	Evaluation of functional impairment, quality of life and work efficiency in patients of Pulmonary Tuberculosis at treatment completion.	Dr. Parul Mrigpuri Dr. Sonam Spalgais Dr. Nitin Goel Prof. BK Menon Prof. Mandira Varma Basil
2.	Dr. Lehar Batra (Pulmonary Medicine)	Outcomes and Predictors of failure of Non-Invasive Ventilation in acute exacerbation of Chronic Obstructive Pulmonary Disease with Acute Hypercapnic Respiratory Failure.	Dr. Nitin Goel Prof. Raj Kumar Prof. BK Menon Dr. Parul Mrigpuri Dr. Sonam Spalgais Dr. Siddhart Raj Yadav
3.	Dr. Anushree Kesarwani (Pulmonary Medicine)	Assessment Of Respiratory Sequelae, Sleep and Quality of Life After COVID-19	Prof. B. K. Menon
4.	Dr. Katasani Giridhar Reddy (Pulmonary Medicine)	Study On Depression Anxiety and Quality of Life in Newly Diagnosed Tuberculosis Patients.	Prof. B. K. Menon
5.	Dr. Arathy Jayakumar (Pulmonary Medicine)	Physical Activity, Exercise Tolerance, Fatigue and its relationship with cognitive Impairment in patients on long term oxygen Therapy.	Prof. B. K. Menon
6.	Dr. Karishma Birde (Biochemistry)	To study the genetic polymorphisms of CHI3L1 gene and its association with the oxidative-antioxidative balance in chronic obstructive pulmonary disease in North Indian population.	Prof. Vishwajeet Rohil Dr. Sonam Spalgais
7.	Dr. Navnika Kapoor	Evaluation of nitric oxide signaling mechanisms during airway inflammation and remodeling in experimental model of bronchial asthma in rats.	Prof. Kavita Gulati

MD Theses (Ongoing)

(Session: 2022-2025)

S. No.	Name (Discipline)	Title of Theses	Supervisor
1.	Dr. Milli Rawat (Pulmonary Medicine)	Predisposing factors for readmission within three months after acute exacerbation of COPD.	Dr. Nitin Goel
2.	Dr. Shweta Yadav (Pulmonary Medicine)	Evaluation of Asthma Control in Obesity Phenotype of Bronchial Asthma.	Prof. BK Menon Prof. Raj Kumar Dr. Parul Mrigpuri Dr. Vishal Bansal
3.	Dr. Priyam Gupta (Pulmonary Medicine)	To Study the Serum Biomarkers (KL-6, SP-A, SP-D, MMP-1 and MMP-7) in Fibrotic and Non-Fibrotic Interstitial Lung Disease Patients.	Dr. Sonam Spalgais Prof. Raj Kumar Dr. Parul Mrigpuri
4.	Dr. Meera P Nair (Pulmonary Medicine)	Study on Chronic Rhinosinusitis in Patients with Post Tubercular Bronchiectasis.	Prof. B. K. Menon
5.	Dr. Sarika Sunil (Pulmonary Medicine)	Aspergillus Hypersensitivity in Smoker Vs Non-Smoker COPD.	Dr. Parul Mrigpuri Prof. Raj Kumar Prof. B K Menon Dr. Sonam Spalgais Prof. Anuradha Chowdhary
6.	Dr. Protick Kumar Mondal (Microbiology)	Molecular Characterization and Antifungal Susceptibility Pattern of Dermatophytes with Special Reference to Trichophyton Indotineae: A Clinico Mycological Study.	Prof. Anuradha Chowdhary
7.	Dr. Arza Naseem (Microbiology)	Characterization and Molecular Typing of Clinical, Colonizing and Environmental Isolates of <i>Staphylococcus Aureus</i> .	Prof. Malini Shariff
8.	Dr. Rashmi Dhir (Pharmacology)	Effects of Nitric Oxide donors and Arginase inhibitor on inflammation and oxidative stress in an experimental model of asthma in rats and the possible mechanisms.	Prof. Kavita Gulati
9.	Dr. Mohammad Azharuddin Mulla (Biochemistry)	8-Hydroxy-2' Deoxyguanosine as Oxidative DNA Damage Biomarker of Severity in COPD patients among North Indian Population in a Tertiary Care Hospital.	Prof. Vishwajeet Rohil Dr. Sonam Spalgais

MD – Ist Year*(Session: 2023-2026)*

Name	Discipline
Dr. Prateek Jain	Pulmonary Medicine
Dr. Anupam Roy	Pulmonary Medicine
Dr. Sagar Rai	Pulmonary Medicine
Dr. Vikram Singh	Pulmonary Medicine
Dr. Sanjay Meena	Pulmonary Medicine
Dr. Akhil Sathyanathan	Pharmacology
Dr. Vishnu Priya. V	Biochemistry
Dr. Komal Chaudhary	Microbiology
Dr. Srishti Singh	Microbiology
Dr. Mohd. Rizwan Khan	Physiology

PhD Awarded/Submitted

S. No.	Name (Discipline)	Title of Theses	Supervisor(s)	Status
1.	Dr. Kamal Shrivastava (Microbiology)	Evaluation of an array of PE-PPE genes for potential use in diagnostic assay to identify Mycobacterium Tuberculosis	Prof. Mandira Varma Basil	Awarded
2.	Dr. Chanchal Kumar (Microbiology)	Functional Analysis of cell intrusion proteins of Mycobacterium Tuberculosis as a potential target of vaccine development	Prof. Mandira Verma Basil	Awarded

PhD (Ongoing)

S. No.	Name (Discipline)	Title of Theses	Supervisor(s)	Year of Registration
1	Ms. Suhani Yadav (Microbiology)	Exploration of multi-omics approaches to reveal mechanism of resistance in multidrug resistant Candida auris	Prof. Anuradha Chowdhary	2023
2	Ms. Shriya Srivastava (Microbiology)	Elucidation of molecular epidemiology, antifungal susceptibility profile and resistance mechanism in non-albicans Candida species with special reference to Candida parapsilosis	Prof. Anuradha Chowdhary	2023
3	Ms. Swati Kathait (Microbiology)	??	Prof. Mandira Varma Basil	2023
4	Ms. Meenu Rani (Pathology)	Development of Nano drug delivery systems and study of their efficacy in attenuating lung fibrosis	Prof. Ritu Kulshrestha	2023

Faculty Members Associated as Co-supervisors for MD/PhD Theses of DU and Other Institutions

S. No.	Name (Discipline) and Institution's Name	Title of Theses	Supervisor(s)	Status
1.	Mr. Nilanshu Manocha (PhD, Biomedical Sciences) Department of Biomedical Sciences, ANDC, University of Delhi, Delhi	Study on the generation of peptide immunogen against dengue virus	Dr. Prashant Kumar (Amity Institute of Virology and Immunology, Amity University, Noida (UP) and Prof. Madhu Khanna	Ongoing
2.	Ms. Kajal Sharma	Role of host cellular proteins in influenza virus genome delivery and associated innate immune response	Dr. Madhu Khanna (Respiratory Virology, Microbiology)	Ongoing
3.	Ms. Archana	Role of Splicing and Post translational modification in pathogenesis of influenza virus infection	Dr. Madhu Khanna (Respiratory Virology, Microbiology)	Ongoing
4.	Mrs. Nitika C. Panakkal (PhD, Medical Imaging Technology), Manipal College of Health Professionals (MCHP), Manipal Academy of Higher Education (MAHE), Manipal	Influence of Low Kilo-Voltage Protocol on Image Quality, Radiation and Iodine Dose for Abdominopelvic Computed Tomography.	Dr. Rajagopal K V, Professor, Dept. of Radio-diagnosis & Imaging, Kasturba Medical College & Hospital, MAHE, Manipal and Dr. Ravishankar N	Submitted

Distinguished Visitors



Dr. Jayesh Kanuga, allergist-immunologist, Edison, New Jersey and Dr. Mansi Kanuga, allergist-immunologist in Red Wing, Minnesota, visited VPCI on December 23, 2023.

Prof. Jai Gopal Sharma Department of Biotechnology, Delhi Technological University (DTU), Rohini, Delhi, visited Respiratory Virology, Microbiology

Awards/Honours

Prof. Raj Kumar

- **Member**, Planning Board of Atal Medical and Research University (AMRU), Mandi, HP, dt. 21.03.2023.
- **Member**, Performance review of Multi Disciplinary Research Units (MRUs) at UCMS, Delhi, dt. 15.04.2023.
- **University Representative**, Governing Body of Swami Shardhanand College, University of Delhi, Delhi dt. 10.05.2023.
- **Member**, Standing Committee on Academic Matters (SCOAM) Academic Council, University of Delhi, Delhi, dt. 27.05.2023.
- **External Practical Examiner**, MD Respiratory Medicine at M.M. Medical College & Hospital, Kumarhatti-Dolan (H.P), dt. 12.07.2023.
- **Outstanding Allergy Scientist Award 2023**, Outstanding Scientific Research in the Field of Allergy and Allergen Specific Immunotherapy, Bengaluru Allergy Foundation, Bangalore India, dt. 21.09.2023.
- **Chairperson**, Screening Committee for promotion of the faculty members at UCMS under DACP Scheme-2008 dt. 17.10.2023.
- **Internal Examiner**, DM Pulmonary Medicine clinical/Practical and Oral Examination at Vallabhbhai Patel Chest Institute, University of Delhi, Delhi, dt. 04.10.2023.
- **Fellow**, Royal College of Physicians of London – 2023.
- **Special Guest** for Revolutionising Tobacco Cessation through Technological Intervention in India” in Maulana Azad Institute of Dental Sciences at auditorium, 3rd Floor, MAIDS, New Delhi, dt. 06.11.2023.
- **Selection Committee**, Walk-in-interview for the post of Junior Resident (Non-PG) at Vallabhbhai Patel Chest Institute, dt. 18.12.2023.
- **External Examiner**, DM Pulmonary Medicine Clinical/Practical and Viva Examination, SCB Medical College and Hospital, Cuttack, dt. 27.12.2023.
- **5th Excellence Award**, Memory of Late Mahmood Ali Khan Freedom Fighter, AMIM Cancer Trust, Dr. Jamal A Khan, MD, Grandson, Late Mahmood Ali Khan, dt. 07.01.2024.
- **Member**, meeting to discuss the representation from M/s TransAsia Bio-Medicals Ltd. newly developed product “Tuberculosis (T.B) Diagnostic Kit at Nirman Bhawan, Delhi, dt. 24.01.2024.
- **Lifetime Achievement Award - 2023**, for great recognition and appreciation for loyalty and dedicated support to organizing ‘Workshop on Respiratory Allergy: Diagnosis & Management’ during 47th Allergy Workshop, NCRAAI, VPCI, University of Delhi, dt. 12.02.2024.



Prof. Kavita Gulati

- **General Secretary**, Society of Nitric oxide and Allied Radicals (SNOAR).
- **Treasurer**, Delhi Pharmacological Society.
- **Coordinator**, ADR Monitoring Centre (AMC) of Pharmacovigilance Program of India, Indian Pharmacopeia Commission, MoHFW, Govt. of India.
- **Coordinator**, Medical Device Adverse Event Monitoring Center (MDMC) of Materiovigilance Program of India (MvPI), Indian Pharmacopeia Commission, Govt. of India.
- **Nodal Officer**, Multidisciplinary Research Unit of Department of Health Research, ICMR at VPCI.
- **Member Expert (Pharmacology)** in IHEC of PGIMER, RML Hospital during meetings on 28.07.2023, 19.09.2023, 03.11.2023, 16.01.2024, 20.2.24, 18.03.2024.
- **Member**, Board of studies in Pharmacology, HIMSR from July 2021-July, 2023.
- **Lady Representative**, Executive Body of IPS.

Prof. Madhu Khanna

Received IVS Fellow award for eminent contribution in Medical Virology from Indian Virological Society at VIROCON – 2023, ICAR-National Research Centre for Banana, Tiruchirappalli, Tamil Nadu on 01.12.2023.

Prof. Vishwajeet Rohil

- Honored by publication of message in Conference Book Sustainable and Innovative Solutions for India@75. A Journey Towards Atmanirbhar Bharat on May 12-13, 2023. IMS Ghaziabad, Bloomsbury Publishing.
- **External Examiner**, PhD Viva-Voce, University School of Basic and Applied Sciences, Guru Gobind Singh Indraprastha University, Dwarka, New Delhi, dt. 25.08.2023.
- **Expert**, Panel discussion on Medical Innovation in Healthcare at National Healthcare Skill Conclave 2024 (NHSC24), held from March 4-7, 2024 at Parul Institute of Paramedical and Health Sciences, Faculty of Medicine, Parul University, Vadodara, Gujarat.
- **Member**, Board of Examiners for evaluation of Ph.D. thesis, Guru Gobind Singh Indraprastha University, Dwarka, New Delhi.
- **Secretary**, Biotechnology Society of India (BSI).

Dr. Ritu Kulshrestha

- **Member of Board of Studies**, School of Allied Medical Sciences (SAMS), Delhi Skill and Entrepreneurship University, Government of NCT of Delhi, dt. 06.09.2023.
- **External Member**, 26th Soldier Health & Drug Development- LSRB specialist panel project review meeting held at INMAS on 26.07.2023.
- **Invited Faculty Member**, Local Research Advisory Committee for the Model Rural Health Research Unit (MRHRU) at CHC Khotpura, Panipat, Haryana under mentorship of CMR-NICPR, Noida, dt. 18.05.2023.
- **External committee member**, 1st Board of Studies meeting -School of Allied Medical Sciences (SAMS) at DSEU Dwarka Campus, dt. 21.04.2023.
- **External Selection Committee member** for the recruitment of faculty in the department of Pathology at ESI-PGIMSR, Basaidarapur, Delhi, dt. 17.04.2023.
- **Member**, MRU-VPCI at the Performance Review meeting of MRUs, NCT organized by ICMR-DHR at the MRU-UCMS on April 15, 2023.

- **Examiner** for Ph.D. Viva-Voce Examination of Ms. Laraib Uroog, Department of Biosciences, Jamia Millia Islamia on 05.04.2023.

Dr. Jayeta Bhadra

- **Treasurer**, ACCLMP, Delhi Chapter.
- **Executive Committee member**, Delhi Chapter-ACBI.
- **Invited as Judge** of post-graduate oral scientific paper presentation session at 10th ACCLMPCON 2024 held on February 03.04.2024 in Udaipur, Rajasthan.
- **External Examiner**, Viva-voce of Laboratory Medicine-VII (Clinical Biochemistry) course of GGSIP University held on 24.07.2023 at VMMC & Safdarjung Hospital, New Delhi.

Dr. Ankit Arora

Received Consolation Prize in quiz during Workshop on Clinical trial methodology & AI Tools for Scientific writing by Clinical Pharmacology Unit, Jawaharlal Nehru Medical College, Aligarh Muslim University, 18.04.2023.

Dr. Mohd. Azharuddin Mulla, MD student

Special appreciation for the Research work presented as Poster at 30th Annual Conference of Association of Medical Biochemists of India entitled “Decoding Complexity of Biomolecules: Exploring Clinical Biochemistry for Enhanced Healthcare” organized by Department of Biochemistry, Lokmanya Tilak Municipal Medical College & General Hospital Sion, Mumbai during December 14-16, 2023.

Dr. Shashi Dhar Mehta

Awarded Doctor of Philosophy (PhD) in Biochemistry from Department of Biochemistry, Faculty of Science and Technology, Mewar University, Chittorgarh, Rajasthan under the guidance of Prof. Suhasini Bhatnagar, Mewar University, Rajasthan and Prof. Suhel Parvez, Jamia Hamdard University, New Delhi. Title of the thesis was “Investigation and Exploration of Therapeutic Effect of *Allium Sativum* in the Treatment of Alcohol Induced Neuropathic Pain in Wistar rats.”

Sponsored Research Projects

S. No.	Faculty Member (Department)	Title of Project	Funding Agency, Date of Sanction/ Implementation and Duration	Total Grant Received (₹)
1.	Prof. Raj Kumar, (Pulmonary Medicine)	National Tobacco Quit Line Services	Ministry of Health & Family Welfare March 12, 2015 (Three Years) [Extended upto 2024- 25]	1452.83 lakhs
2.	Dr. Raj Kumar, (Pulmonary Medicine)	ICMR's Network of Pulmonary Fibrosis	ICMR January 01, 2024 (Three years)	10.23 lakhs
3.	Dr. Kavita Gulati, (Pharmacology)	Multidisciplinary Research Unit (MRU)	DHR-ICMR, MoHFW January 01, 2014 (Five years) [Extended upto 31.03.2026]	434.50 lakhs
4.	Dr. Kavita Gulati (Pharmacology)	Pharmacological studies on <i>Hedychium spicatum</i> on airway inflammation and remodeling in experimental model of bronchial asthma	ICMR March 24, 2021 (Three Years)	21.20 lakhs
5.	Dr. Mandira Varma (Microbiology)	Development and Validation of Artificial Intelligence tool for screening/ detection of pulmonary TB and other lung disease using chest X-ray	ICMR May 15, 2022 (One year) [Extended upto 14.05.2024]	36.79 lakhs
6.	Dr. Mandira Varma (Microbiology)	Characterization of phenotypic and molecular determinants of bedaquiline and linezolid resistance in clinical isolates of <i>Mycobacterium tuberculosis</i> .	ICMR March 28, 2023 (Three years)	21.16 lakhs
7.	Dr. Mandira Varma (Microbiology)	Antimicrobial Resistance and Labour Migration across Healthcare Boundaries in Northern South Asia	AU-Denmark ICMR April 01, 2023 (Three years)	53.18 lakhs
8.	Dr. Madhu Khanna (Respiratory Virology, Microbiology)	Triple targetting engineered virus : A tool to counter influenza infection	ICMR December 20, 2020 (Three Years)	33.33 lakhs
9.	Dr. Madhu Khanna (Respiratory Virology, Microbiology)	Targeted Exosomes mediated cellular delivery: A potential approach for vaccine development	SERB-DST January 25, 2024 (Three years)	13.59 lakhs
10.	Dr. Madhu Khanna (Respiratory Virology, Microbiology)	Setting up of Nation-wide Network of Laboratories for Managing Epidemics and National Calamities - Viral Research and Diagnostic Laboratory (VRDL)	ICMR-DHR-MoHFW February 16, 2024 (upto 31.03.2026)	197.10 lakhs
11.	Prof. Ritu Kulshrestha (Pathology)	Designing of inhalational polymeric nanoparticle drug delivery systems for the treatment of lung fibrosis	ICMR November 29, 2019 (Three Years) [Extended upto 28.05.2023]	26.93 lakhs

S. No.	Faculty Member (Department)	Title of Project	Funding Agency, Date of Sanction/ Implementation and Duration	Total Grant Received (₹)
12.	Prof. Ritu Kulshrestha (Pathology)	Nano therapy of Lung fibrosis using gene editing	LSRB-DRDO August 18, 2023 (Three years)	47.17 lakhs
13.	Prof. Anuradha Chowdhary (Medical Mycology Unit, Microbiology)	Exploration of azole resistance in <i>Candida tropicalis</i> : Detection of ERG11 gene mutations and azole resistant genotypes	ICMR October 27, 2020 (Three Years) [Extended upto 26.01.2024]	41.04 lakhs
14.	Prof. Anuradha Chowdhary (Medical Mycology Unit, Microbiology)	Genomic insights of azole and terbinafine resistance in clonal Trichophyton mentagrophytes/ interdigitalis spp. Complex causing alarming difficult to treat dermatophytosis in North India	DST February 10, 2021 (Three Years) [Extended upto 09.08.2024]	39.03 lakhs
15.	Prof. Anuradha Chowdhary (Medical Mycology Unit, Microbiology)	Genomic analysis of diversity, population structure, transmission dynamics and multidrug resistance in <i>Candida Auris</i> , an urgent threat to public health	ICMR February 01, 2024 (Three years)	50.41 lakhs
16.	Prof. Anuradha Chowdhary (Medical Mycology Unit, Microbiology)	National Reference Laboratory for Antimicrobial Resistance in fungal pathogens	NCDC September 03, 2021 (Five Years, upto 31.03.2026)	178 lakhs
17.	Prof. Anuradha Chowdhary (Medical Mycology Unit, Microbiology)	Pradhan Mantri Ayushman Bharat Infrastructure Mission (PM-ABHIM)	NCDC September 03, 2021 (Five Years, upto 31.03.2026)	220 lakhs
18.	Prof. Anuradha Chowdhary (Medical Mycology Unit, Microbiology)	Exploration of genetic and proteomic basis of Amphotericin B resistance in <i>Candida Auris</i>	ICMR March 27, 2023 (Three years)	21.95 lakhs (Budget sanctioned for 1 st year)
19.	Prof. Vishal Bansal (Physiology)	To explore the effects of yoga and pulmonary rehabilitation in patients with Interstitial lung disease and examine their molecular basis	CCRYN-AYUSH February 01, 2024 (Three years)	16.23 lakhs
20.	Dr. Sonam Spalgais (Pulmonary Medicine)	A research cum intervention multi-centric study to strengthen National TB Elimination programme (NTEP) by implementing programme guidelines for TB using novel strategies to address the various challenges faced by the programme in selected states and specific population/communities in India	ICMR September 21, 2022 (One and half years) [Extended upto 31.01.2024]	41.71 lakhs

Fellowships

S. No.	Name of the Fellow (Department) and Name of Supervisor	Title of Fellowship	Funding Agency, Date of Sanction/ Implementation and Duration	Total Grants Received (₹)
1.	Mrs. Archana (Senior Research Fellow) (Virology unit, Microbiology) <i>(Supervisor: Dr. Madhu Khanna)</i>	Aptamer functionalized liposome: A way towards immune-targeted RNA based vaccine against influenza Virus	ICMR July 01, 2022 (Three years)	05.53 lakhs
2.	Ms. Varsha Chauhan (Senior Research Fellow) (Microbiology) <i>(Supervisor: Dr. Mandira Varma Basil)</i>	Contribution of efflux pumps to delamanid resistance in clinical isolates of <i>Mycobacterium Tuberculosis</i>	ICMR August 23, 2019 (One and half years)	05.53 lakhs
3.	Ms. Suhani Yadav (Junior Research Fellow) (Medical Mycology Unit, Microbiology) <i>(Supervisor : Prof. Anuradha Chowdhary)</i>	Exploration of Multi-Omics Approaches to Reveal Mechanism of Resistance in Multidrug Resistant <i>Candida Auris</i>	DBT November 23, 2023 (Five years)	2.06 lakhs

Conferences/Symposia/Seminars/Workshops/CMEs

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
1.	Prof. Raj Kumar	Expert Panellist	Vital Strategies in Association with Mash foundation, India	Breathe Easy – India Takes on tobacco on TB a virtual round table on the occasion of World TB Day Virtual April 11-13, 2022
2.	Prof. Raj Kumar	Guest Lecture on Indian Guidelines on Diagnosis of Respiratory Allergy	VPCI	Online sensitisation about Allergy and Immunotherapy Virtual March 29, 2023
3.	Prof. Raj Kumar	Guest Lecture on Food Allergy Diagnosis	VPCI	Online sensitisation about Allergy and Immunotherapy Virtual April 4, 2023
4.	Prof. Raj Kumar	Guest Lecture on Allergy Focused Patient History	VPCI	Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy VPCI July 20, 2023
5.	Prof. Raj Kumar	Guest Lecture on Food Allergy in Clinical Practice	VPCI	Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy VPCI July 21, 2023
6.	Prof. Raj Kumar	Guest Lecture on Setting-up and Allergy Clinic	VPCI	Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy VPCI July 22, 2023
7.	Prof. Raj Kumar	Guest Lecture on Allergy Situation in India, Phenotypes and Etiopathogenesis	Department of Otorhinolaryngology & Head and Neck at Venkateshwara Institute of Medical Sciences	A CME on Allergy – One Airway One Disease Venkateshwara Institute of Medical Sciences August 4, 2023
8.	Prof. Raj Kumar	Guest Lecture on Scientific Programme Pneumologica	Max Healthcare, New Delhi	Scientific Programme about establishing a Quit Smoking Clinic Max Healthcare, New Delhi August 5, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
9.	Prof. Raj Kumar	Guest Lecture on National Tobacco Quitline Service	VPCI	Smoking Cessation cum Contact Program of Certificate Course NCRAAI, VPCI October 27, 2023
10.	Prof. Raj Kumar	Guest Lecture on Experiences of National Tobacco Quitline Services in India	B.S.Z, Maulana Azad Institute of Dental Sciences	Revolutionising tobacco cessation through Technological Intervention MAMC Complex November 6, 2023
11.	Prof. Raj Kumar	Panelist for session on Roadmap for Universal Tobacco Cessation Clinics	B.S.Z, Maulana Azad Institute of Dental Sciences	Revolutionising tobacco cessation through Technological Intervention MAMC Complex November 6, 2023
12.	Prof. Raj Kumar	Guest Lecture on Therapeutic Vaccines – Dose Allergic Immunotherapy (AIT) work in Allergic Diseases?	CICM (India) Chapter 2	CICM (India) Chapter 2 Conference on the theme Stay ahead with Innovation Education & Excellence in Pulmocare. India Habitate Centre, Gulmohar Auditorium, Lodhi Rd, Lodhi Estate, New Delhi November 5, 2023
13.	Prof. Raj Kumar	Guest of Honour during Inauguration of Conference Cum Workshop on Allergy-Allergy in Focus: From Triggers to Treatment	UCMS	Conference Cum Workshop on Allergy-Allergy in Focus: From Triggers to Treatment Conference Hall, Library block, UCMS and GTB Hospital, Delhi December 8, 2023
14.	Prof. Raj Kumar	Guest Lecture on Role of Immunotherapy in Allergic conditions	UCMS	Conference Cum Workshop on Allergy-Allergy in Focus: From Triggers to Treatment Conference Hall, Library block, UCMS and GTB Hospital, Delhi December 8, 2023
15.	Prof. Raj Kumar	Guest Lecture on National Tobacco Quitline Services- overview and replication at the state level	Department of Community Medicine & School of Public Health, PGIMER, Chandigarh	Regional Summit on Strengthening Effective Implementation of the National Tobacco Control Program (NTCP) Hotel Golden Tulip, (Sector 29), Gurgaon December 12, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
16.	Prof. Raj Kumar	Distinguished Faculty for the session on; 1. Allergy and Immunotherapy 2. Pulmonary Rehabilitation	Indian Chest Society (ICS) and The National College of Chest Physicians	NAPCON 2023 Hyderabad International Convention Centre, Hyderabad December 30, 2023
17.	Prof. Raj Kumar	National Co-ordinator for the Workshop on Allergy & Immunotherapy	United Academy of Pulmonary Medicine, India (UAPM) and Allergy, Asthma & Chest Hospital (AANCH) endorsed by NCCP (Rajasthan Chapter)	57 th Annual Conference of Indian college of Allergy, Asthma and Applied Immunology (ICCAICON 2023) Hotel The Lalit, Jaipur January 06, 2024
18.	Prof. Raj Kumar	Speaker for the session on; 1. Introduction and Brief About Allergy Workshop 2. Unveiling Food Allergy: From Diagnosis to Treatment Strategies 3. Clinical Cases Discussion 4. Food Allergy in Bronchial Asthma	United Academy of Pulmonary Medicine, India (UAPM) and Allergy, Asthma & Chest Hospital (AANCH) endorsed by NCCP (Rajasthan Chapter)	57 th Annual Conference of Indian college of Allergy, Asthma and Applied Immunology (ICCAICON 2023) Hotel The Lalit, Jaipur January 04, 2024
19.	Prof. Raj Kumar	Quiz Master for Post Workshop Quiz	United Academy of Pulmonary Medicine, India (UAPM) and Allergy, Asthma & Chest Hospital (AANCH) endorsed by NCCP (Rajasthan Chapter)	57 th Annual Conference of Indian college of Allergy, Asthma and Applied Immunology (ICCAICON 2023) Hotel The Lalit, Jaipur January 04, 2024
20.	Prof. Raj Kumar	Chairperson for the session on; 1. Satellite Symposium: Precision Allergy Testing – How CRD is Changing the Game 2. Allergy & Asthma - 2	United Academy of Pulmonary Medicine, India (UAPM) and Allergy, Asthma & Chest Hospital (AANCH) endorsed by NCCP (Rajasthan Chapter)	57 th Annual Conference of Indian college of Allergy, Asthma and Applied Immunology (ICCAICON 2023) Hotel The Lalit, Jaipur January 05, 2024
21.	Prof. Raj Kumar	Moderator for the session on Allergy and Immunotherapy	United Academy of Pulmonary Medicine, India (UAPM) and Allergy, Asthma & Chest Hospital (AANCH) endorsed by NCCP (Rajasthan Chapter)	57 th Annual Conference of Indian college of Allergy, Asthma and Applied Immunology (ICCAICON 2023) Hotel The Lalit, Jaipur January 06, 2024

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
22.	Prof. Raj Kumar	Speaker for the session on Indian Guidelines for Diagnosis of Allergy	United Academy of Pulmonary Medicine, India (UAPM) and Allergy, Asthma & Chest Hospital (AANCH) endorsed by NCCP (Rajasthan Chapter)	57 th Annual Conference of Indian college of Allergy, Asthma and Applied Immunology (ICCAICON 2023) Hotel The Lalit, Jaipur January 06, 2024
23.	Prof. Raj Kumar	Guest Lecture on Allergy Diagnosis: in-vivo	NCRAAI, VPCI	47 th workshop on Respiratory Allergy: Diagnosis & Management VPCI February 12, 2024
24.	Prof. Raj Kumar	Practical Training in SPT	NCRAAI, VPCI	47 th workshop on Respiratory Allergy: Diagnosis & Management VPCI February 13-14, 2024
25.	Prof. Raj Kumar	Panellist for the session on Clinical Case Discussion history, Investigation and Interpretation	NCRAAI, VPCI	47 th workshop on Respiratory Allergy: Diagnosis & Management VPCI February 14, 2024
26.	Prof. Raj Kumar	Guest Lecture on; 1. Food Allergy in Clinical Practice 2. Guest Lecture on Setting-up an Allergy Clinic	NCRAAI, VPCI	47 th workshop on Respiratory Allergy: Diagnosis & Management VPCI February 14, 2024
27.	Prof. Raj Kumar	Demonstration of Specific IgE/Total IgE, FeNO, Pollen Count Station	NCRAAI, VPCI	47 th workshop on Respiratory Allergy: Diagnosis & Management VPCI February 15, 2024
28.	Prof. Raj Kumar	Panellist for Clinical Cases Discussion-Optimal Selection of Allergen for immunotherapy Case Discussion for Immunotherapy	NCRAAI, VPCI	47 th workshop on Respiratory Allergy: Diagnosis & Management VPCI February 15, 2024
29.	Prof. Raj Kumar	Speaker for the session on Quitline Initiatives	Ministry of Health and Family Welfare	6 th National Conference on Tobacco or Health India Habitat Centre, Delhi February 17, 2024

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
30.	Prof. Raj Kumar	Chairperson for Plenary 2 – Capacity building and technical assistance for implementing WHO FCTC mandates including Article 9 & 10	Ministry of Health and Family Welfare	6 th National Conference on Tobacco or Health India Habitat Centre, Delhi February 18, 2024
31.	Prof. Raj Kumar	Special Guest	Maulana Azad Institute of Dental Sciences-National Resources Centre for Oral Health and Tobacco Cessation	Revolutionising Tobacco Cessation through Technological Intervention in India Auditorium, 3 rd Floor, MAIDS November 6, 2023
32.	Prof. Kavita Gulati	Invited talk on Recent studies on the regulatory role of NO in the pathophysiology of bronchial asthma	DBT	International Conference on Global Disease Biology: Perspective Biotechnology (ICGDB-2024), Burdwan, West Bengal March 15-17, 2024
33.	Prof. Kavita Gulati	Chairperson for HS Buttar Oration	International Society of Heart Research (Indian Section) & International Academy of Cardiovascular Sciences (India Section)	Annual Meeting of ISHR-IACS 2024, AIIMS, Jodhpur Feb 16 – 18, 2024.
34.	Prof. Kavita Gulati	Coordinators of AMC-VPCI, PvPI, MoHFW, GOI meet	IPC (Indian Pharmacopoeia Commission)	Advanced training workshop on Pharmacovigilance for Our safety Maulana Azad Medical College, Delhi February 22, 2024
35.	Prof. Kavita Gulati	Keynote Address on Experimental studies on the cellular and molecular mechanisms of Hedychium spicatum, to validate its use as a drug for bronchial asthma	Conference Mind	4 th International hybrid Conference Traditional and alternative Medicine Virtual November 23-24, 2023
36.	Prof. Kavita Gulati	Keynote Address on Pharmacovigilance: Basic concepts and applications	IPC Indian Pharmacopoeia Commission (IPC) and VPCI	CME on Pharmacovigilance: Boosting Public Confidence in Pharmacovigilance VPCI September 22, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
37.	Prof. Kavita Gulati	Medical Devices Adverse Event Reporting: Lessons from Clinical Setting	Indian Pharmacopoeia Commission	8 th Annual Conference on Pharmaceuticals & Medical Devices Sector India Pharma and India Medical Device Ashoka Hotel, Delhi May 26- 27, 2023
38.	Prof. Kavita Gulati	Organizing Secretary of Conference-cum-training program on Nitric Oxide (NO) Research: A translational approach	Society for NO and allied Radicals under the aegis of Multi-disciplinary Research Unit, VPCI	Conference-cum-training program on Current trends in Nitric Oxide (NO) Research: A translational approach VPCI April 5, 2023
39.	Prof. Kavita Gulati	Talk on Biomedical Waste Management Program	DHR-MRU-VPCI, Delhi	MRU SHS-2023 Program VPCI September 29, 2023
40.	Dr. Ankit Arora	Participant	Society for NO and allied Radicals under the aegis of Multi-disciplinary Research Unit, VPCI	Conference-cum-training program on Current trends in Nitric Oxide (NO) Research: A translational approach VPCI April 5, 2023
41.	Dr. Ankit Arora	Participant	Clinical Pharmacology Unit, Department of Pharmacology, Jawaharlal Nehru Medical College, Aligarh Muslim University	Workshop on Clinical trial methodology & AI Tools for Scientific writing Virtual April 17-20, 2023
42.	Dr. Ankit Arora	Participant	Department of Pharmacology by Vydehi Institute of Medical Sciences & Research centre	CME Pharma Bridge 2023 Virtual May 20-27, 2023
43.	Dr. Ankit Arora	Participant	Dept of Pharmacology, GMC Kottayam	National webinar on Eco Pharmacology Virtual June 5, 2023
44.	Dr. Ankit Arora	Participant	Conference Mind	4 th International hybrid Conference Traditional and alternative Medicine Virtual November 23-24, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
45.	Dr. Ankit Arora	Participant	National Association of Pharmacology & Therapeutics AIIMS, Nagpur	GCP 2024 National Workshop Virtual March 7, 14, 21, 28, 2024
46.	Dr. Navnika Kapoor Supervisor: Prof. Kavita Gulati	Participant	Drug Trial Research Analytics Safety Global	Pharmacovigilance Genesis Program Virtual July 3-august 11, 2023
47.	Dr. Navnika Kapoor Supervisor: Prof. Kavita Gulati	Presented a E poster on Public Participation in Pharmacovigilance	DHR-MRU-VPCI, Delhi	MRU SHS-2023 Program VPCI September 29, 2023
48.	Dr. Rashmi Dhir Supervisor: Prof. Kavita Gulati	Participant	Drug Trial Research Analytics Safety Global	Pharmacovigilance Genesis Program Virtual July 3-august 11, 2023
49.	Dr. Rashmi Dhir Supervisor: Prof. Kavita Gulati	Presented a E poster on Public Participation in Pharmacovigilance	DHR-MRU-VPCI, Delhi	MRU SHS-2023 Program VPCI September 29, 2023
50.	Dr. Rashmi Dhir Supervisor: Prof. Kavita Gulati	Presented poster on "Effects of nitric oxide donors and arginase inhibitor on inflammation and oxidative stress in an experimental model of asthma in rats and the possible mechanisms"	Conference Mind	4 th International hybrid Conference Traditional and alternative Medicine Virtual November 23-24, 2023
51.	Dr. Rashmi Dhir Supervisor: Prof. Kavita Gulati	Participant	Hinduhridaysamrat Balasaheb Thackeray Medical college and hospital, Mumbai	GCP Virtual February 01, 2024
52.	Dr. Rashmi Dhir Supervisor: Prof. Kavita Gulati	Participant	National Association of Pharmacology & Therapeutics AIIMS, Nagpur	GCP 2024 National Workshop Virtual March 7, 14, 21, 28, 2024
53.	Dr. Rashmi Dhir Supervisor: Prof. Kavita Gulati	Participant	GMC Surat	AICON-Artificial Intelligence in Health and Medical Education Virtual March 21, 2024
54.	Dr. Rashmi Dhir Supervisor: Prof. Kavita Gulati	Participant	JSS Medical College, Mysuru	National CME on unleashing potential; Global Carrier opportunities for pharmacology PGs Virtual April 25, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
55.	Dr. Akhil Sathyanathan Supervisor: Prof. Kavita Gulati	Presented a E poster on Public Participation in Pharmacovigilance	DHR-MRU-VPCI, Delhi	MRU SHS-2023 Program VPCI September 18, 2023
56.	Dr. Akhil Sathyanathan Supervisor: Prof. Kavita Gulati	Presented poster on Adverse Drug Reactions of COPD Drugs in Elderly Patients	Conference Mind	4 th International hybrid Conference Traditional and alternative Medicine Virtual November 23-24, 2023
57.	Dr. Akhil Sathyanathan Supervisor: Prof. Kavita Gulati	Participant	Hinduhridaysamrat Balasaheb Thackeray Medical college and hospital, Mumbai	GCP Virtual February 01, 2024
58.	Dr. Akhil Sathyanathan Supervisor: Prof. Kavita Gulati	Participant	GMC Surat	AICON-Artificial Intelligence in Health and Medical Education Virtual March 21, 2024
59.	Prof. Anuradha Chowdhary	Chaired a session on Why the fuss about fungi: emerging mycoses	European Society of Clinical Microbiology and Infectious Diseases	33 rd European Congress of Clinical Microbiology and Infectious Diseases Copenhagen, Denmark April 15-18, 2023
60.	Prof. Anuradha Chowdhary	Speaker on the topic Will Invasive Fungal Infections be the Last of Us?	Geneva Science and Diplomacy Anticipator (GESDA)	2023 GESDA Summit Geneva, Switzerland October 11-13, 2023
61.	Prof. Anuradha Chowdhary	Speaker on the topic Origin and environmental detection of C. auris	European Confederation of Medical Mycology (ECMM)	11 th Trends in Medical Mycology Athens, Greece October 20-23, 2023
62.	Prof. Vishwajeet Rohil	Participant	VPCI	Conference cum Training program on Current trends in Nitric Oxide (NO) research: A translational approach VPCI April 5, 2023
63.	Prof. Vishwajeet Rohil	Participant	Dr. Lal Pathlabs Ltd. and Lipid Association of India	CME on Empowering Heart Health: a focus on Lipid Profile The Park, New Delhi April 9, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
64.	Prof. Vishwajeet Rohil	Expert	Parul Institute of Paramedical and Health Sciences	Workshop Medical Innovation in Healthcare at National Healthcare Skill Conclave 2024 (NHSC24) Parul Institute of Paramedical and Health Sciences, Faculty of Medicine, Parul University, Vadodara, Gujarat March 4-7, 2024
65.	Dr. Jayeeta Bhadra	Participant	GB Pant Institute of Post Medical Education & Research	CME on Recent Advances in Coagulation: An update GIPMER, New Delhi April 03, 2023
66.	Dr. Jayeeta Bhadra	Participant	Association of Medical Biochemists of India [AMBI]	Webinar on Role of a Clinical Biochemistry Lab in management of plasma cell dyscrasias Virtual June 14, 2023
67.	Dr. Jayeeta Bhadra	Participant	Association of Medical Biochemists of India [AMBI]	Webinar on Establishment of age-specific reference interval for amino acids in dried bloodspot by Tandem mass Spectrometry Virtual June 30, 2023
68.	Dr. Jayeeta Bhadra	Participant	Learning Lab for Laboratory Medicine	Online course on Therapeutic Drugs Management Virtual July 06, 2023
69.	Dr. Jayeeta Bhadra	Participant	Association for Diagnostics & Laboratory Medicine	Webinar on The Importance of Precision and Accuracy in HbA1C Measurement Virtual August 22, 2023
70.	Dr. Jayeeta Bhadra	Participant	Udemy	Online course on Implementation of ISO 15189:2022 Virtual November 09, 2023
71.	Dr. Jayeeta Bhadra	Participant	Bio-Rad Laboratories	Webinar on Pitfalls in HbA1C analysis and Reporting: Interesting Cases and Recommendations on Reporting Virtual November 14, 2023
72.	Dr. Jayeeta Bhadra	Participant	VMMC and Safdarjung Hospital	CME on Cardiometabolic Health in Women VMMC and Safdarjung Hospital March 16, 2024

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
73.	Dr. Karishma Birde Supervisor: Prof. Vishwajeet Rohil	Participant	Agilus Diagnostics, Gurugram	Diagnostic Workshop of Monoclonal Gammopathies-A Lab Perspective Agilus Diagnostics, Gurugram November 24-25, 2023
74.	Dr. Karishma Birde Supervisor: Prof. Vishwajeet Rohil	Participant	Department of Biochemistry, Lokmanya Tilak Municipal Medical College & General Hospital Sion, Mumbai and Association of Medical Biochemists of India	Pre-Conference Workshop on Quality Control Lokmanya Tilak Municipal Medical College & General Hospital Sion, Mumbai December 13, 2023
75.	Dr. Karishma Birde Supervisor: Prof. Vishwajeet Rohil	Participant and Presentation	Department of Biochemistry, Lokmanya Tilak Municipal Medical College & General Hospital Sion, Mumbai and Association of Medical Biochemists of India	30 th Annual Conference Decoding Complexity of Biomolecules: Exploring Clinical Biochemistry for Enhanced Healthcare Department of Biochemistry, Lokmanya Tilak Municipal Medical College & General Hospital Sion, Mumbai December 14-16, 2023
76.	Dr. Karishma Birde Supervisor: Prof. Vishwajeet Rohil	Participant and Oral Paper presentation Title: "To study the genetic polymorphism of CHI3L1 gene and its association with the oxidative balance in COPD"	Association of Medical Updates and GMC Datia M.P	Conference: AMUMCON-2024, Contemporary Health Issue-Integrated Approach with Recent Updates GMC Datia M.P March 14-15, 2024
77.	Dr. Karishma Birde Supervisor: Prof. Vishwajeet Rohil	Participant	VMMC and Safdarjung Hospital	CME on Cardiometabolic Health in Women
78.	Dr. Mohd. Azharuddin Mulla Supervisor: Prof. Vishwajeet Rohil	Participant	Agilus Diagnostics, Gurugram	Diagnostic Workshop of Monoclonal Gammopathies-A Lab Perspective Agilus Diagnostics, Gurugram November 24-25, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
79.	Dr. Mohd. Azharuddin Mulla Supervisor: Prof. Vishwajeet Rohil	Participant	Department of Biochemistry, Lokmanya Tilak Municipal Medical College & General Hospital Sion, Mumbai and Association of Medical Biochemists of India	Pre-Conference Workshop on Quality Control Lokmanya Tilak Municipal Medical College & General Hospital Sion, Mumbai December 13, 2023
80.	Dr. Mohd. Azharuddin Mulla Supervisor: Prof. Vishwajeet Rohil	Participant	Department of Biochemistry, Lokmanya Tilak Municipal Medical College & General Hospital Sion, Mumbai and Association of Medical Biochemists of India	30 th Annual Conference Decoding Complexity of Biomolecules: Exploring Clinical Biochemistry for Enhanced Healthcare Department of Biochemistry, Lokmanya Tilak Municipal Medical College & General Hospital Sion, Mumbai December 14-16, 2023
81.	Dr. Mohd. Azharuddin Mulla Supervisor: Prof. Vishwajeet Rohil	Participant	ACCLMP with Amrita Medical College	CME on Celebrating Womanhood Amrita Medical College January 10, 2024
82.	Dr. Mohd. Azharuddin Mulla Supervisor: Prof. Vishwajeet Rohil	Participant	ACCLMP with RNT Medical College Udaipur Rajasthan	Workshop on ACCLMPCON 2024 Understanding Haematology RNT Medical College Udaipur Rajasthan February 02-04, 2024
83.	Dr. Mohd. Azharuddin Mulla, V. Rohil, J. Bhadra, S. Goel	Participant and Oral Presentation on Study the association between redox imbalance and disease severity in COPD	ACCLMP with RNT Medical College Udaipur Rajasthan	Conference: ACCLMPCON 2024 Every Sample Tells a Story RNT Medical College Udaipur Rajasthan February 03, 2024
84.	Dr. Mohd. Azharuddin Mulla Supervisor: Prof. Vishwajeet Rohil	Participant	Association of Medical Updates and GMC Datia M.P	Conference: AMUMCON-2024, Contemporary Health Issue-Integrated Approach with Recent Updates GMC Datia, M.P March 14-15, 2024
85.	Dr. Vishnu Priya V Supervisor: Prof. Vishwajeet Rohil	Participant	ACCLMP with Amrita Medical College	CME on Celebrating Womanhood Amrita Medical College January 10, 2024

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
86.	Prof. Ritu Kulshrestha	One of the authors of the paper presented on MiRNA modulation of macrophage phenotype as multi-omic therapeutic targets in lung fibrosis	IIT Mumbai	International Conference and Hands-on Workshop on Advances in Proteomics Technologies' (APT-2024) IIT Mumbai February 17-18, 2024
87.	Prof. Ritu Kulshrestha	One of the authors of the paper presented on Evaluation of miRNA-199omics as biomarker of progression of progressive fibrosing interstitial lung disease	IIT Mumbai	International Conference and Hands-on Workshop on Advances in Proteomics Technologies' (APT-2024) IIT Mumbai February 17-18, 2024
88.	Prof. Ritu Kulshrestha	One of the authors of the paper presented on Mechanism of Pulmonary hypertension involving Caveolin-1 and NF-kB in pulmonary fibrosis.	VPCI in collaboration with Society for Nitric Oxide and Allied Radical (SONAR) and MRU- DHR-VPCI	Conference-cum-training program on "Current trends in Nitric Oxide (NO) Research: A translational approach VPCI April 5, 2023
89.	Prof. Ritu Kulshrestha	Invited Faculty Lecture on, A rare case of DPLD with Tracheal Myiasis in a 65-year Male	Asia-Australasian Pulmonary Pathology Society	7 th Annual Conference of Asia-Australasian Pulmonary Pathology Society Taichung, Taiwan December 2-3, 2023
90.	Prof. Ritu Kulshrestha	Participant	Indian National Science Academy	Panel Discussion on Enhancing the Research Ecosystem at Universities in India India Habitat Centre November 03, 2023
91.	Prof. Ritu Kulshrestha	Invited Faculty lecture on; 1. Molecular diagnosis of lung cancer 2. Interesting case presentation	Association of Thoracic Pathologists in association with ESIC medical college and hospital, Hyderabad, Telangana	First Pulmonary Pathology Physical Conference Hyderabad October 21-22, 2023
92.	Prof. Ritu Kulshrestha	Invited Faculty lecture on Interstitial lung diseases	Indian Chest Society	Workshop during the NAPCON 2023 Apollo Hospital, New Delhi October 5-8, 2023
93.	Prof. Ritu Kulshrestha	Invited Faculty lecture on Nanotheranostics and targeted drug delivery in lung fibrosis	VPCI	IPF week VPCI September 20, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
94.	Prof. Ritu Kulshrestha	Invited Faculty and Speaker on Pathology of ILD	Dept of Pulmonary Medicine, Max hospital- Shalimar Bagh	ILD Patient Support Group Event Max hospital- Shalimar Bagh August 7, 2023
95.	Prof. Ritu Kulshrestha	Invited Faculty and Speaker/ Science Champion on 'Medical Diagnostics using Artificial Intelligence Technology —Existing and Future of AI in Medicine'	Chitkara University, Rajpura, Punjab	S-20/G-20 Outreach event Chitkara University July 31, 2023
96.	Prof. Ritu Kulshrestha	Invited faculty for, COPD & Smoking related disorders	Division of Clinical Research and Medical management	CEP on Lifestyle disorders: measures for prevention & Control Inst of Nuclear medicine and Allied Sciences, DRDO, Min of Defence, Delhi May 2-5, 2023
97.	Prof. Vishal Bansal	Lecture on the topic "Role of Pulmonary Rehabilitation in Post-TB Lung Disease"	National Institute of Tuberculosis & Respiratory Diseases, New Delhi	TBCON-2024 National Institute of Tuberculosis & Respiratory Diseases, New Delhi March 17-18, 2024
98.	Prof. Vishal Bansal	Workshop Lecture on Advancements in Pulmonary Rehabilitation: Harnessing the Power of Cardiopulmonary Exercise Testing (CPET) for Optimal Respiratory Health	Department of Health Research (DHR-ICMR) and Department(s) of Physiology (Cardiac and Neurophysiology), Cardiology, Pulmonology, Neurology and Psychiatry, ESIC Medical College and Hospital, Faridabad, Haryana	Workshop on A Multidisciplinary Relay Workshop on Neurophysiology, Neuropsychiatry and Cardiopulmonary Interface of Clinical Training and Research Department of Physiology, ESIC Medical College and Hospital, Faridabad, Haryana February 6-7, 2024
99.	Prof. Vishal Bansal	Lecture on Role of Pulmonary Rehabilitation in Management of Chronic Lung Impairment from Pulmonary Tuberculosis	International Union Against Tuberculosis and Lung Disease (The Union), New Delhi	Development of expertise on Pulmonary Rehabilitation as a Centre of Excellence (Co E) under iDEFEAT TB Project for strengthening DR-TB care in National TB Elimination Program JJ Hospital, Mumbai, Maharashtra October 20, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
100.	Prof. Vishal Bansal	Lecture on Pulmonary Rehabilitation: An aspect in management of Chronic Respiratory Diseases	Medical Education Unit, Government Institute of Medical Sciences, Greater Noida, Uttar Pradesh	Guest Faculty Lecture Government Institute of Medical Sciences, Greater Noida, Uttar Pradesh October 13, 2023
101.	Prof. Vishal Bansal	Workshop Lecture on Components and Assessment of Outcome Parameters in Pulmonary Rehabilitation	Silver Jubilee National Conference on Pulmonary Diseases under the Aegis of National College of Chest Physicians (India) and Indian Chest Society (ICS)	Pre-Conference Workshop on Pulmonary Rehabilitation & Smoking Cessation in NAPCON 2023 Apollo Hospitals, Jubilee Hills, Hyderabad, Telangana November 30, 2023
102.	Prof. Vishal Bansal	Workshop Lecture on Setting up a Pulmonary Rehabilitation Clinic and Challenges	Silver Jubilee National Conference on Pulmonary Diseases under the Aegis of National College of Chest Physicians (India) and Indian Chest Society (ICS)	Pre-Conference Workshop on Pulmonary Rehabilitation & Smoking Cessation in NAPCON 2023 Apollo Hospitals, Jubilee Hills, Hyderabad, Telangana November 30, 2023
103.	Prof. Vishal Bansal	Lecture on Components and Assessment of Outcome Parameters in Pulmonary Rehabilitation	Vallabhbhai Patel Chest Institute (VPCI) in association with Society for Tobacco Control	Webinar on Pulmonary Rehabilitation Program for Physiotherapists Virtual November 17, 2023
104.	Prof. Vishal Bansal	Video Demonstration of Six-Minute Walk Test, Exercises and Instruments used	Vallabhbhai Patel Chest Institute (VPCI) in association with Society for Tobacco Control	Webinar on Pulmonary Rehabilitation Program for Physiotherapists Virtual November 17, 2023
105.	Dr. Uma Tyagi	Chairperson, ICAL Registration Sub Committee, Presentation in Exchange of Ideas session and Institutional Participant	Delhi University Library system, University of Delhi, Delhi	International Conference on Academic Libraries (ICAL-2023) on Transforming Academic Libraries: Evolution, Innovation, Quality, Transfiguration Conference Centre, Delhi University of Delhi April 5-8, 2023
106.	Dr. Uma Tyagi	Participant	DELNET Developing Library Network and Galgotias University	Celebrating Global Librarianship: Strengthening Connections, Collaborations and Competencies Virtual April 17, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
107.	Dr. Uma Tyagi	Participant	DELNET- Developing Library Network	National Technology Day Celebration - Emerging AR/VR Technology for Immersive & Interactive Learning Environment Virtual May 11, 2023
108.	Dr. Uma Tyagi	Participant	National Medical Library	4 th National Conference on ERMED Consortium: Digital Health Resources: A Reality National Medical Library, New Delhi August 11, 2023
109.	Dr. Uma Tyagi	Participant	Wiley	Wiley Online Library: How can it help Researchers Virtual July 13, 2023
110.	Dr. Uma Tyagi	Participant	Central Library, University of Delhi and Springer Nature	Online user awareness program to demonstrate accessibility of Springer nature eBooks and Journals for DU researchers and faculties Virtual July 19, 2023
111.	Dr. Uma Tyagi	Participant	National Medical Library and S Karge	Panel Discussion and Presentation on the Impact of AI, ChatGPT, and Machine Learning in Health Science Publishing National Medical Library, New Delhi December 18, 2023
112.	Dr. Uma Tyagi	Participant	Central Government Library Association Delhi Branch with KNIMBUS	One day Webinar on Challenges and Solutions for Work-Life Balance Virtual March 08, 2024
113.	Dr. Sonam Spalgais	Speaker on the topic Dr. Sonam Spalgais	VPCI	Online sensitization about Allergy and Immunotherapy Module 4 Virtual April 19, 2023
114.	Dr. Sonam Spalgais	Speaker on the topic Advances in TB therapeutics	Miranda House, University of Delhi	International conference cum CME on Novel Insight into pathogenesis of TB for development of Vaccines, Diagnosis and Therapeutics Miranda House May 03, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
115.	Dr. Sonam Spalgais	Speaker and organizer	NCRAAI, VPCI	Certificate course on diagnosis of respiratory allergy and immunotherapy VPCI July 20-22, 2023
116.	Dr. Sonam Spalgais	Speaker and Panellist on; 1. Role of FENO in Clinical Practice 2. Anaphylaxis 2. Demonstration of breath FeNO test 3. Clinical Cases Discussion History, Investigation and Interpretation and Immunotherapy	NCRAAI, VPCI	Certificate course on diagnosis of respiratory allergy and immunotherapy VPCI July 20-22, 2023
117.	Dr. Sonam Spalgais	Panel of experts: 1.Nebulisation at Home - Safe or Toxic? 2.OSA in women – Challenges in Diagnosis and Management	Max healthcare, New Delhi	Pneumologica 2023 The Grant, Vasant Kunj, New Delhi August 05, 2023
118.	Dr. Sonam Spalgais	Speaker on Exercise Advices in Pulmonary Rehabilitation	VPCI/STC	Pulmonary rehabilitation Program for Physiotherapist VPCI November 17, 2023
119.	Dr. Sonam Spalgais	Co-organizing secretary, Panelist and Speaker on ; 1. Role of FENO in Clinical Practice 2. Anaphylaxis 3. Newer Development in Immunotherapy 4.Demonstration of breath FeNO test 5. Clinical Cases Discussion History, Investigation and Interpretation and Immunotherapy	VPCI/STC	Certificate course on Diagnosis of respiratory allergy and Immunotherapy VPCI December 14-16, 2023
120.	Dr. Sonam Spalgais	Lecture in workshop on; 1. FENO Practical Applications 2. Spirometry what is new? Lecture in conference on DLCO	ICS	NAPCON Delhi The Hotel Ashok, New Delhi October 5-8, 2023
121.	Dr. Sonam Spalgais	Speaker on Case based Panel discussion (Pneumonia Mimics and Non-resolving pneumonia)	NCCP	NAPCON Hyderabad Hyderabad International Convention Centre December 1, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
122.	Dr. Sonam Spalgais	Lecture on; 1. Lung Volume 2. Non-IgE anaphylaxis	ICAAI	ICAAICON Jaipur The Lalit Jawahar Circle, Jaipur January 4-5, 2024
123.	Dr. Sonam Spalgais	Session on EBUS: Basic and Indication	Max Health care/ Society for management of lung diseases	PNEUMOCON 2024, Workshop on Basic and Advanced bronchoscopic Intervention Fortis Noida January 27, 2024
124.	Dr. Sonam Spalgais	Dissection of Radiology for ILD	Max Health care/ Society for management of lung diseases	PNEUMOCON 2024 Fortis Noida January 28, 2024
125.	Dr. Sonam Spalgais	Co-organizing secretary, Panellist and Speaker on; 1. Drug Allergy 2. Anaphylaxis 3. Subcutaneous Immunotherapy: Indian Guideline 4. Demonstration of SPT & FeNO 5. Clinical Cases Discussion	NCRAAI, VPCI and for Tobacco control	47 th Workshop on Respiratory Allergy: Diagnosis and Management VPCI February 12-16, 2024
126.	Dr. Sonam Spalgais	Chairperson	AIIMS, New Delhi	PULMOCRIT AIIMS, New Delhi February 25, 2024
127.	Dr. Parul Mrigpuri	Organizer	VPCI/STC	Online sensitization about Allergy and Immunotherapy Module 4 Virtual April 19, 2023
128.	Dr. Parul Mrigpuri	Speaker on Tuberculosis preventive therapy	Indian Immunology Society and Miranda House	International conference cum CME on Novel Insight into pathogenesis of TB for development of Vaccines, Diagnosis and Therapeutics Miranda House May 03-04, 2023
129.	Dr. Parul Mrigpuri	Speaker and organizer	NCRAAI, VPCI	Certificate course on diagnosis of respiratory allergy and immunotherapy VPCI July 20-22, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
130.	Dr. Parul Mrigpuri	Speaker and Panellist on; 1. Indian guidelines for diagnosis of respiratory allergy 2. Demonstration of breath FeNO test 3. Clinical Cases Discussion History, Investigation and Interpretation and Immunotherapy	NCRAAI, VPCI	Certificate course on diagnosis of respiratory allergy and immunotherapy VPCI July 20-22, 2023
131.	Dr. Parul Mrigpuri	Organized activities throughout the week including All India PG Quiz on IPF	VPCI	World IPF week VPCI September 17-24, 2023
132.	Dr. Parul Mrigpuri	Speaker on Nutritional considerations in chronic lung diseases	VPCI/STC	Pulmonary rehabilitation Program for Physiotherapist VPCI November 17, 2023
133.	Dr. Parul Mrigpuri	Speaker on; 1. Epidemiology and Forms of Tobacco Use 2. Practical Demonstration: How to fill up questions? Measure addiction level, Use of breath CO monitor, Group counselling, Follow up of subjects	VPCI/STC	Smoking Cessation cum Contact Program of Certificate Course in Tobacco Cessation VPCI October 27, 2023
134.	Dr. Parul Mrigpuri	Co-organizing secretary, Panellist and Speaker on; 1. Indian guidelines on diagnosis of respiratory allergy 2. Hands on Practical Training in SPT 3. Demonstration of Breath FeNo Test 4. Case Discussion: History, Investigation Interpretation Allergens Selection and Immunotherapy	VPCI/STC	Certificate course on Diagnosis of respiratory allergy and Immunotherapy VPCI December 14-16, 2023
135.	Dr. Parul Mrigpuri	Workshop Faculty/Speaker on six minute walk test	ICS	NAPCON Delhi The Hotel Ashok, New Delhi October 5-8, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
136.	Dr. Parul Mrigpuri	Faculty/Speaker on NCCP Molecular diagnostics for pneumonia		NAPCON Hyderabad Hyderabad International Convention Centre November 20 - December 3, 2023
137.	Dr. Parul Mrigpuri	Faculty/Speaker: 1.Lecture on six minute walk test in workshop on Pulmonary function testing 2.Lecture on Global warming, climate change, air pollution and respiratory allergies	ICAAI	ICAAICON Jaipur The Lalit Jawahar Circle, Jaipur January 4-5, 2024
138.	Dr. Parul Mrigpuri	Workshop Faculty/Chairperson; 1. Administration of allergen Immunotherapy 2.Chairperson symposium on Lung cancer	AIIMS, New Delhi	PULMOCRIT AIIMS, New Delhi February 25, 2024
139.	Dr. Ravishankar N	Participated	Teaching Learning Centre, Ramanujan College, University of Delhi and Army Institute of Education (AIE)	4-week Faculty Induction/ Orientation Programme for Faculty in Universities/Colleges/ Institutes of Higher Education Virtual May 23 - June 21, 2023
140.	Dr. Ravishankar N	Faculty	Department of Biostatistics, Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER), Puducherry	National Workshop on Systematic Review & Meta-analysis (SRMA-2023) JIPMER, Puducherry September 11-13, 2023
141.	Dr. Ravishankar N	Participated	Department of Biostatistics, National institute of mental health and Neuro science (NIMHANS), Bengaluru	Workshop on Sample Size and Power Analysis in Medical Research NIMHANS, Bengaluru September 14-16, 2023
142.	Dr. Ravishankar N	Participated	Teaching Learning Centre, Ramanujan College, University of Delhi and Army Institute of Education (AIE)	2-week Refresher Course in Statistics Virtual November 30 – December 14, 2023
143.	Dr. Siddharth Raj Yadav	Lecture on Role of Biologicals in Asthma management	NCRAAI, VPCI	Certificate course on diagnosis of respiratory allergy and immunotherapy VPCI July 20-22, 2023

S. No.	Faculty Member	Role/Topic	Organiser(s)	Conference, Place and Date
144.	Dr. Siddharth Raj Yadav	Chaired the session on Symposium 4: Pleural effusion Diagnosis	ICS	NAPCON Delhi The Hotel Ashok, New Delhi October 5-8, 2023
145.	Dr. Siddharth Raj Yadav	Lecture on Tobacco Cessation Non-Pharmacological	VPCI	Smoking Cessation cum Contact Programme of Certificate Course in Tobacco Cessation VPCI October 27, 2023
146.	Dr. Siddharth Raj Yadav	Faculty- Debate Referee Debate topic: TRIBATES on ideal biologic for overlap phenotype (Ig E / Mepo/ Benra)	NCCP	NAPCON Hyderabad Hyderabad International Convention Centre November 20 - December 3, 2023
147.	Dr. Siddharth Raj Yadav	Lecture on Psychological aspects of chronic lung Diseases, Pulmonary Rehabilitation workshop at Apollo Hospital Jubilee Hills Hyderabad	NCCP	NAPCON Hyderabad Hyderabad International Convention Centre November 20 - December 3, 2023
148.	Dr. Siddharth Raj Yadav	Organizer	VPCI	Public lecture on Quit Tobacco, choose a healthy lifestyle VPCI May 26, 2023
149.	Dr. Siddharth Raj Yadav	Organizer	VPCI	Public lecture on Let's talk- sleep Apnea VPCI June 28, 2023
150.	Dr. Siddharth Raj Yadav	Organizer	VPCI	Public lecture on Air pollution: a menace and its effect on lung VPCI August 24, 2023
151.	Dr. Siddharth Raj Yadav	Organizer	VPCI	Public lecture on Let's talk: idiopathic pulmonary fibrosis (IPF) VPCI September 21, 2023
152.	Dr. Siddharth Raj Yadav	Organizer	VPCI	Public lecture on Winters are coming: Respiratory issues lets know it all VPCI November 23, 2023

Participation in Advanced and Specialised Training Programme by Faculty Members

S. No.	Participant (Department)	Course Title/ Topic	Training Duration	Host
1.	Prof. Anuradha Chowdhary (Medical Mycology Unit, Microbiology)	Organized the Hands-on-training workshop on Candida species identification and performing Antifungal susceptibility testing (Broth Dilution Method and E-test)	July 21- August 1, 2023	National Reference Laboratory for AMR in Fungal Pathogens, Medical Mycology Unit, Vallabhbhai Patel Chest Institute, University of Delhi, Delhi

Short-term Specialised Training Imparted by Faculty Members

S. No.	Name, Subject and University/ Institute/College	Course Title/ Topic	Faculty Member (Department)	Period
1.	Ms. Shraddha Rajput, B.Tech (Biotechnology) GLA University, Mathura, (Uttar Pradesh)	Student of B. Tech. Biotechnology	Prof. Vishwajeet Rohil (Biochemistry)	June 08 to August 07, 2023
2.	Ms. Himanshi Raj, M.Sc. (Biotechnology) Deenbandhu Chhotu Ram University of Science & Technology, Murthal, (Haryana)	Student of M.Sc. Biotechnology	Prof. Vishwajeet Rohil (Biochemistry)	July 19 to August 18, 2023
3.	Mr. Aditya Bhatt, B.Sc. (H) (Microbiology), IMS, Ghaziabad (University Course Campus), (Uttar Pradesh)	Student of B.Sc. (H) Microbiology	Prof. Vishwajeet Rohil (Biochemistry)	December 20, 2023 to February 02, 2024
4.	Mr. Ujjawal Kaushik, M.Sc. (Biotechnology), Amity University, Gautam Budh Nagar, (Uttar Pradesh)	Student of M.Sc. Biotechnology	Dr. Jayeeta Bhadra (Biochemistry)	June 16 to July 31, 2023
5.	Ms. Harshita Bhardwaj, B.Sc. (H) (Microbiology), IMS, Ghaziabad (University Course Campus), (Uttar Pradesh)	Student of B.Sc. (H) Microbiology	Dr. Jayeeta Bhadra (Biochemistry)	December 20, 2023 to February 02, 2024
6.	Ms. Nidhi Priya, B.Sc. (H) (Biotechnology), IMS, Ghaziabad (University Course Campus), (Uttar Pradesh)	Student of B.Sc. (H) Biotechnology	Dr. Jayeeta Bhadra (Biochemistry)	December 20, 2023 to February 02, 2024

S. No.	Name, Subject and University/ Institute/College	Course Title/ Topic	Faculty Member (Department)	Period
7.	Ms. Estuti Verma, M.Sc. (Respiratory Therapy), VPCI, University of Delhi, (Delhi)	Student of M.Sc. Respiratory Therapy	Dr. Jayeeta Bhadra (Biochemistry)	October 15, 2023 to January 03, 2024
8.	M.Sc. Life Sciences/MD/DM/ DNB/PhD	Short term course on Basic and Molecular virology	Dr. Madhu Khanna (Respiratory Virology, Microbiology)	June 05 to July 05, 2023
9.	Mr. Harsh Chittoudiya, B.Sc. (H) (Microbiology), IMS, Ghaziabad, (Uttar Pradesh)	Student of B.Sc. (H) Microbiology	Prof. Ritu Kulshrestha (Pathology)	January 15 to February 28, 2024
10.	Ms. Bhumika Sirohi, B.Sc. (H) (Microbiology), IMS, Ghaziabad, (Uttar Pradesh)	Student of B.Sc. (H) Microbiology	Prof. Ritu Kulshrestha (Pathology)	January 15 to February 28, 2024
11.	Mr. Md.Saahil Ansari, B.Sc (MLT), Delhi Skill and Entrepreneurship University (DSEU), (Delhi)	Student of B.Sc MLT	Prof. Ritu Kulshrestha (Pathology)	July 03 to August 11, 2023
12.	Ms. Priya Kumari, B.Sc (MLT), Delhi Skill and Entrepreneurship University (DSEU), (Delhi)	Student of B.Sc MLT	Prof. Ritu Kulshrestha (Pathology)	July 03 to August 11, 2023
13.	Ms. Deepali Sehgal, B.Sc (MLT), Delhi Skill and Entrepreneurship University (DSEU), (Delhi)	Student of B.Sc MLT	Prof. Ritu Kulshrestha (Pathology)	July 03 to August 11, 2023
14.	Mr. Anurag Mishra, B.Sc (MLT), Delhi Skill and Entrepreneurship University (DSEU), (Delhi)	Student of B.Sc MLT	Prof. Ritu Kulshrestha (Pathology)	July 03 to August 11, 2023

Glimpses of the Events held at VPCI

1. Foundation Day Celebration and Prof. Raman Vishwanathan Oration (April 06, 2023)

Vallabhbhai Patel Chest Institute (VPCI) celebrated its Foundation Day and the 22nd Raman Vishwanathan Oration on April 6, 2023, at the Paintal Memorial Golden Jubilee Auditorium. Prof. Ashutosh Sharma, President of the Indian National Science Academy (INSA), New Delhi, was the Chief Guest. Prof. (Dr.) S.K. Sarin, Director, Institute of Liver and Biliary Sciences (ILBS), New Delhi, and Prof. Balaram Pani, Dean of Colleges, VPCI University of Delhi, were Guests of Honour. Dr. Vijay Chauthaiwala, Chairman, Governing Body, presided over the programme. Prof. (Dr.) S.K. Sarin delivered the lecture on the topic "Liver Fat Flames and Frames Your Body." All faculty, staff, and students attended the programme.



2. Medical Research Unit (MRU) Meeting (April 15, 2023)

MRU meeting was held on April 15, 2023, at the University College of Medical Sciences (UCMS) with Prof. (Dr.) Piyush Gupta, Principal, UCMS, and Dr. Rajiv Goel, Director General, ICMR, Delhi, and Secretary, Department of Health Research, Ministry of Health and Family Welfare (MoHFW).



3. Allergy and Immunotherapy Sensitization (Module – 3) (April 19, 2023)

Allergy and Immunotherapy Sensitization (Module 3) was organized by Vallabhbhai Patel Chest Institute in association with the Society for Tobacco Control online on April 19, 2023. The course booklet was launched and distributed to all participants. It contains three chapters and consists of 48 pages.



4. Respiratory Allergy: Causes, Symptoms, Diagnosis, Treatment and Avoidance (April 27, 2023)

Vallabhbhai Patel Chest Institute (VPCI) organized a public lecture on “Respiratory Allergy – Causes, Symptoms, Diagnosis, Treatment, and Avoidance” at the Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi, on April 27, 2023, at 3:00 PM. The programme began with a welcome address by Prof. Raj Kumar, Director, VPCI. Distinguished faculty of the Department of Pulmonary Medicine, VPCI, including Prof. B.K. Menon, Dr. Nitin Goel, Dr. Sonam Spalgais, and Dr. Siddharth Raj Yadav, were the speakers for the programme. A quiz session was held at the end of the programme.



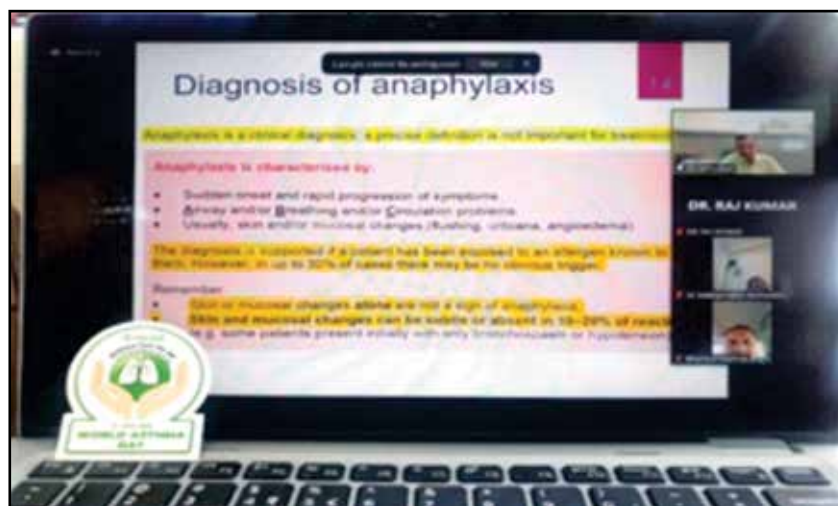
5. Allergy and Immunotherapy Sensitization (Module – 4) (May 02, 2023)

Allergy and Immunotherapy Sensitization (Module 4) was organized by Vallabhbhai Patel Chest Institute in association with the Society for Tobacco Control through an online mode on May 2, 2023. The course booklet for Module 4, which contains three chapters and spans over 77 pages, was launched and distributed to all participants.



6. Asthma Day 2023 (May 02, 2023)

Vallabhbhai Patel Chest Institute celebrated World Asthma Day online on May 2, 2023



7. Felicitation Ceremony for NTQLS Counsellors (May 19, 2023)

The National Tobacco Quit Line Services awarded the best counselors for the months of October to December 2022 at the Paintal Memorial Golden Jubilee Auditorium, Vallabhbhai Patel Chest Institute, on May 19, 2023. Ms. Khushi Singh, Mr. Bhairav Dutt Sharma, Ms. Manisha, and Ms. Nisha Rani were awarded for their outstanding performance, hard work, and dedication in the workplace. The awards were distributed by the Chief Guest, Bollywood actor Mr. Shrikant Verma. Ms. Pooja Gupta, National Consultant (Policy & Research) for the National Tobacco Control Programme at MoHFW, was the Guest of Honour, and Prof. Raj Kumar, Director, VPCI, Delhi, also graced the event.



8. Public Lecture on “Quit Tobacco, Choose a Healthy Life” (May 27, 2023)

Vallabhbhai Patel Chest Institute (VPCI) organized a public lecture on “Quit Tobacco, Choose a Healthy Life” at the Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi, on May 26, 2023, at 3:00 PM. The programme started with a welcome address by Prof. Raj Kumar, Director, VPCI. The speakers included Prof. B.K. Menon, Dr. Nitin Goel, Dr. Sonam Spalgais, and Dr. Siddharth Raj Yadav from the Department of Pulmonary Medicine, VPCI. A quiz session was held at the end of the programme.



9. World No Tobacco Day (May 30, 2023)

Vallabhbhai Patel Chest Institute organized the observance of “World No Tobacco Day” on May 30, 2023, at the Paintal Memorial Golden Jubilee Auditorium. Dr. Jagdish Kaur, Regional Advisor for the Tobacco-Free Initiative (TFI) at the World Health Organization, was the Chief Guest. The Guests of Honour included Prof. Manoj Kumar Khanna, Principal, Ramjas College; Prof. Manoj Sinha, Principal, Aryabhata College; Prof. Praveen Garg, Principal, Swami Shradhdhanand College; Prof. Rama, Principal, Hansraj College; Prof. Savita Roy, Principal, Daulat Ram College; and Prof. Vipin Aggarwal, Principal, Sri Aurobindo College. The programme was attended by all faculty, staff, and students of VPCI and concluded with a vote of thanks.



10. World Environment Day (June 05, 2023)

Vallabhbhai Patel Chest Institute organized a pledge-taking ceremony on World Environment Day as part of “MISSION LIFE” activities on June 5, 2023, at 11:00 AM. The theme for World Environment Day was “Mission Life,” emphasizing the urgent need for collective action to protect and restore the environment. Prof. Raj Kumar, Director, VPCI, pronounced the pledge, which was repeated by the faculty, students and staff attending the event.



11. International Day of Yoga (June 21, 2023)

Vallabhbhai Patel Chest Institute celebrated the International Day of Yoga on June 21, 2023, at 6:30 AM in front of the Paintal Memorial Golden Jubilee Auditorium at VPCI, University of Delhi. T-shirts and caps were also distributed during the programme. All faculty, students and staff of the institute and their family members attended the event..



12. Public Lecture on Let's Talk - Sleep Apnea (June 28, 2023)

VPCI organized a public lecture on "Let's talk – Sleep Apnea" at the Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi, on June 28, 2023, at 3:00 PM. The programme commenced with a welcome address by Prof. Raj Kumar, Director of VPCI. Prof. B.K. Menon, Dr. Nitin Goel, Dr. Sonam Spalgais, and Dr. Siddharth Raj Yadav were the speakers for the programme.



13. VPCI stall during Valedictory Ceremony of the Centenary Celebrations of the University of Delhi (June 30, 2023)

Delhi University celebrated its centenary with various programs commemorating this significant milestone. The Valedictory Ceremony of the Centenary Celebrations took place on June 30, 2023, and was honored by the presence of the Hon'ble Prime Minister of India, Shri Narendra Modi. As part of the event, a stall showcasing the history, key milestones and achievements of VPCI was set up.



14. Short Term Course on Basic and Molecular Virology (June 05 - July 05, 2023)

Vallabhbhai Patel Chest Institute conducted a one-month short-term course on Basic and Molecular Virology from June 5 to July 5, 2023. Students enrolled in the course received training on various aspects of Molecular Virology. Course completion certificates were distributed to the students during the valedictory ceremony by actor Mr. Rajesh Kumar, in the presence of Prof. Madhu Khanna, coordinator of the course, and Prof. Raj Kumar, Director, VPCI.



15. Institute Awarded NABH Accreditation Certificate (July 12, 2023)

Vallabhbhai Patel Chest Institute (VPCI) was awarded the NABH Accreditation Certificate by the Constituent Board of the Quality Council of India. This prestigious certification was achieved through the dedicated efforts and hard work of all faculty, staff, and students. To celebrate this significant milestone, a gathering was organized.



16. Certificate Course of Diagnosis of Respiratory Allergy and Immunotherapy (July 20-22, 2023)

The "Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy" was organized by the National Centre of Respiratory Allergy, Asthma & Immunology, supported by the Society for Tobacco Control, from July 20-22, 2023 at the Paintal Memorial Golden Jubilee Auditorium, Vallabhbhai Patel Chest Institute, Delhi. Mr. Pankaj Johri, Director and Head of Operations (Medical), NABL, was the Guest of Honour of the programme. Dr. Achal Gulati was the Chief Guest, and Prof. Raj Kumar, Director, VPCI served as the Chairman of the organizing committee. All faculty, staff, and students of the Institute attended the programme.



17. Independence Day Celebration at VP Chest Institute (August 15, 2023)

The 77th Independence Day was celebrated on August 15, 2023, at VCH Lawn, VPCI, following the Institute's traditions. Prof. Raj Kumar, Director of the Institute, hoisted the flag, which was followed by the National Anthem and a parade by the security guards. Shri Omkar Nath Pandit, Deputy Registrar, VPCI, also graced this auspicious event. Faculty, students, and staff of the Institute, along with their family members, participated in the function. The program concluded with the distribution of sweets and a vote of thanks.



18. Public Lecture on “Air Pollution: A Menace & Its Effect on Lungs” (August 24, 2023)

Vallabhbhai Patel Chest Institute organized a public lecture on “Air Pollution: A Menace and Its Effect on Lungs” at the Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi, on August 24, 2023, at 03:00 PM. The programme started with a welcome address by Prof. B.K. Menon. The speakers of the programme were Dr. Nitin Goel, Dr. Sonam Spalgais, and Dr. Siddharth Raj Yadav.



19. Public Lecture on “Idiopathic Pulmonary Fibrosis (IPF)” (September 21, 2023)

VP Chest Institute organized a public lecture on “Idiopathic Pulmonary Fibrosis (IPF)” at the Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi, on September 21, 2023, at 03:00 PM. The programme started with a welcome address by Prof. B.K. Menon. The speakers were Dr. Nitin Goel, Dr. Parul Mrigpuri, and Dr. Siddharth Raj Yadav.



20. Passenger cum Bed Lift Inauguration (September 27, 2023)

Vallabhbhai Patel Chest Institute inaugurated a passenger cum bed lift on September 27, 2023. The lift was inaugurated by Dr. Vijay Chauthaiwale, Chairman of the Governing Body, VPCI in presence of Prof. Raj Kumar, Director, VPCI. Alumni, faculty, students, and staff of the institute attended the program.



21. 17th Prof. Autar Singh Paintal Memorial Oration (September 27, 2023)

The Vallabhbhai Patel Chest Institute (VPCI) organized the 17th Prof. Autar Singh Paintal Memorial Oration on September 27, 2023, at the Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi. The oration was delivered by Prof. Nikhil Tandon, Professor and Head of the Department of Endocrinology and Metabolism, AIIMS, New Delhi. The topic of the oration was "Harnessing Technology and Task Sharing to Improve Management of Non-Communicable Diseases". Prof. A.N. Aggarwal, Dean, Faculty of Medical Sciences, University of Delhi, was the Chief Guest of the programme. Dr. Vijay Chauthaiwale, Chairman of the Governing Body, VPCI and Prof. Raj Kumar, Director, VPCI also graced the dias. The event was attended by alumni, faculty, students, and staff of the institute, as well as representatives from other reputed organizations.



22. Swachhta Pakhra - Swachhta hi Sewa (October 01, 2023)

VPCI organized a cleanliness drive on October 1, 2023, starting at 10:00 AM, around the area outside the Institute's boundary walls from Gate number 1 to 4. Shri Dharmendra Pradhan, Hon'ble Minister of Education, Government of India, participated in the drive.



23. Dr. VK Vijayan Oration (October 26, 2023)

The Dr. VK Vijayan Oration was organized by the VP Chest Institute on October 26, 2023, at the Paintal Memorial Golden Jubilee Auditorium of the Institute. Dr. JL Meena, Member, Medical Assessment and Rating Board (MARB), National Medical Commission, New Delhi, served as the Chief Guest for the event. The programme also featured Prof. Balaram Pani, Dean of Colleges, University of Delhi, and Prof. Ravindra Kumar Dewan, Director, National Institute of Tuberculosis and Respiratory Diseases (NITRD), New Delhi, as Guests of Honour. The oration was delivered by Prof. Anant Mohan, Professor and Head, Department of Pulmonary, Critical Care, and Sleep Medicine, AIIMS, New Delhi. The topic of his oration was "COPD: The Emerging Epidemic and Our Research Journey".



24. Smoking Cessation cum Contact Programme of Certificate Course in Tobacco Cessation (October 27, 2023)

Vallabhbhai Patel Chest Institute (VPCI) organized a Smoking Cessation Programme cum Contact Programme of the Certificate Course in Tobacco Cessation in association with the Society for Tobacco Control. The event took place on October 27, 2023, at the Paintal Memorial Golden Jubilee Auditorium.

**25. Public Lecture on Winter is Coming: Respiratory Issues Let's Know It All (November 23, 2023)**

Vallabhbhai Patel Chest Institute (VPCI) organized a Public Lecture titled "Winter is Coming: Respiratory Issues - Let's Know it All" on November 23, 2023, at 3:00 PM at the Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi. The programme commenced with a welcome address by Prof. Raj Kumar, Director, VPCI. The event featured talks by Prof. B.K. Menon, Dr. Nitin Goyal, Dr. Sonam Spalgais, Dr. Parul Mrigpuri, and Dr. Siddharth Raj Yadav.

**26. Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy (December 14-16, 2023)**

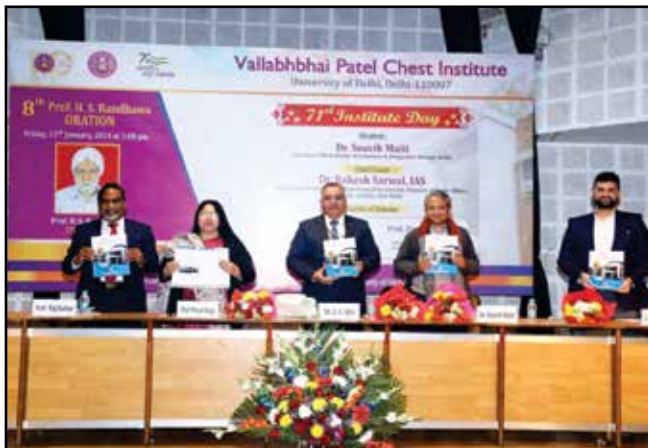
The "Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy" was organized by the National Centre of Respiratory Allergy, Asthma & Immunology, with support from the Society for Tobacco Control. The event took place from December 14-16, 2023, at the Paintal Memorial Golden Jubilee Auditorium, VP Chest Institute, Delhi. Prof. Raj Kumar served as the Chairman of the organizing committee.



27. 71st Institute Day Celebration (January 15, 2024)

The Vallabhbhai Patel Chest Institute (VPCI) celebrated its 71st Institute Day on January 12, 2024, at the Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi. Sh. DK Ojha, Deputy Director General of the E&S Division, Ministry of Petroleum and Natural Gas, Government of India, and Prof. Payal Mago, Director, Campus of Open Learning, University of Delhi, were the Guests of Honour for the programme. The event also featured the 8th Prof. Randhava Oration, delivered by Dr. Sauvik Maiti, Director, CSIR-Institute of Genomics and Integrated Biology.





28. Republic Day Celebration (January 26, 2024)

The Vallabhbhai Patel Chest Institute (VPCI) organized a flag hoisting ceremony on the occasion of the 75th Republic Day on January 26, 2024. This annual tradition, celebrated since 1957, saw Prof. Raj Kumar, Director, VPCI, hoisting the flag. Following the ceremony, sweets were distributed among the public, staff, and patients of VPCI.



29. 47th Workshop on Respiratory Allergy Diagnosis & Management (February 12-16, 2024)

The 47th Workshop on Respiratory Allergy: Diagnosis & Management was organized by the VP Chest Institute, supported by the Society for Tobacco Control, from February 12-16, 2024, at VPCI, Delhi. Prof. Raj Kumar served as the Chairman of the organizing committee. Prof. Inder Mohan Kapahy, Member of the Executive Council (Chancellor's Nominee), University of Delhi, was the Chief Guest. Dr. Rajendra Prasad, Director, Medical Education and Head of Pulmonary Medicine, ERA's Lucknow Medical College and Hospital, Lucknow, and Dr. A.B. Singh, Emeritus Scientist (Ex-Deputy Director), Institute of Genomics and Integrative Biology, University of Delhi, were the Guests of Honour. The workshop was inaugurated by launching the training manual.





List of Publications

Journals

1. Agrawal N, Khanna M, Dhawan G. Identification of suitable house-keeping genes during chikungunya virus infection. *Ind J Med Microbiol* 2023;42:4-52.
2. Ali NH, Rehman S, Naqvi M, Reshi MR, Gulati K, Ray A. *Withania somnifera* extract ameliorates airway inflammation and oxidative stress in ovalbumin-induced bronchial asthma in rats. *S Afr J Bot* 2023;155: 310-17.
3. Ali NH, Rehman S, Naqvi M, Gulati K, Ray A. Inhibitory Effects of *Withania somnifera* on Mast Cell Degranulation and Mortality in Allergic Mouse Model. *EC Pharmacol Toxicol* 2023;11.3: 86-91.
4. Ali NH, Rehman S, Naqvi M, Gulati K, Ray A. Modulation of immunological, biochemical and histopathological changes of airway remodeling by *Withania Somnifera* in an experimental model of allergic asthma in rats. *J Pharmacopunct* 2023; 26(2):1-9.
5. Ansari S, Bhadra J, Ahirwar AK, Gupta J. Correlation analysis of HbA1c versus random, fasting, and postprandial glucose levels as predictors of glycemic control in type 2 diabetes patients. *Asian J Med Sci* 2023;14(14):37-43.
6. Anupama DS, Noronha JA, Acharya KV, Prabhu M, Ravishankar N, Nayak BS. Effect of Lifestyle Modification Intervention Programme on Bone Mineral Density among Postmenopausal Women with Osteoporosis. *Sultan Qaboos University Med J* 2023;23(3):387-93.
7. Bidaud AL, Moreno-Sabater A, Normand AC, Cremer G, Foulet F, Brun S, Ayachi A, Imbert S, Chowdhary A, Dannaoui E. Evaluation of Gradient Concentration Strips for Detection of Terbinafine Resistance in *Trichophyton* spp. *Antimicrob Agents Chemother*. 2023;67(6):e0171622.
8. Carty J, Chowdhary A, Bernstein D, Thangamani S. Tools and techniques to identify, study, and control *Candida auris*. *PLoS Pathog*. 2023;19(10):e1011698.
9. Chaudhury S, Panda S, Mohanty N, Panda S, Mohapatra D, Ravishankar N, Sahoo A, Gopinath D, Lewkowicz N, Lapinska B. Can Immunoexpression of Cancer Stem Cell Markers Prognosticate Tongue Squamous Cell Carcinoma? A Systematic Review and Meta-Analysis. *J Clin Med* 2023;12:2753.
10. Chowdhary A, Gupta N, Wurster S, Kumar R, Mohabir JT, Tatavarthy S, et al. Multimodal analysis of the COVID-19-associated mucormycosis outbreak in Delhi, India indicates the convergence of clinical and environmental risk factors. *Mycoses* 2023;66(6):515-26.
11. Chowdhary A, Jain K, Chauhan N. *Candida auris* Genetics and Emergence. *Annu Rev Microbiol*. 2023;77:583-602.
12. Dubey H, Ray A, Dubey A, Gulati K. S-nitrosoglutathione attenuates oxidative stress and improves retention memory dysfunctions in intracerebroventricular-streptozotocin rat model of sporadic Alzheimer's disease via activation of BDNF and NRF-2 antioxidant signalling pathway. *Neuropsychobiol* 2024; doi: 10.1159/000538348.
13. Dutta S, Goel N, Kumar R. Assessment of frailty and its predictors in chronic obstructive pulmonary disease. *Lung India* 2024;41:17-24.
14. Gnanaprakasam A, Karthikbabu S, Ravishankar N, Solomon JM. Effect of task-based bilateral arm training on upper limb recovery after stroke: A systematic review and meta-analysis. *J Stroke Cerebrovasc Dis* 2023;32(7):107131.

15. Goel N, Goyal N, Spalgais S, Mrigpuri P, Varma-Basil M, Khanna M, Nagaraja R, Menon B, Kumar R. Initial COVID-19 Severity and Long-COVID Manifestations: An Observational Analysis. *Thorac Res Pract* 2023;24(1):22-28.
16. Jeyalakshmi K, Rao M, Shashidhara YN, Thunga G, Ravishankar N, Sudhakar C, Devi ES. Determinants of Medication Non-Adherence Among the Elderly with Co-Existing Hypertension and Type 2 Diabetes Mellitus in Rural Areas of Udupi District in Karnataka, India. *Patient Prefer Adherence* 2023;17:1641–56.
17. Kamgo T, Spalgais S, Ravishankar N, Kumar R. Role of sleep questionnaires in predicting obstructive sleep apnea amongst interstitial lung diseases patients. *Lung India* 2023;40:327-32.
18. Kanj SS, Haddad SF, Meis JF, Verweij PE, Voss A, Rautemaa-Richardson R, Levy-Hara G, Chowdhary A, Ghafur A, Brüggemann R, Bal AM, Schouten J. The battle against fungi: lessons in antifungal stewardship from COVID 19 times. *Int J Antimicrob Agents*. 2023;62(1):106846.
19. Kanj SS, Haddad SF, Meis JF, Verweij PE, Voss A, Rautemaa-Richardson R, Levy-Hara G, Chowdhary A, Ghafur A, Brüggemann R, Bal AM, Schouten J. Corrigendum to ‘The battle against fungi lessons in antifungal stewardship from COVID 19 times’ [International Journal of Antimicrobial Agents Volume 62/1 (2023) 106846]. *Int J Antimicrob Agents*. 2023;62(2):106901.
20. Kumar R, Behera D, Singh AB, Gaur SN, Agarwal MK, Prasad R, et al. Indian Guidelines for diagnosis of respiratory allergy. *Indian J Allergy Asthma Immunol* 2023;37, Suppl S1:1-98
21. Kumar R, Kumar, Raj S et al. Smoking cessation and its significant role in the Indian scenario. *Monaldi Arch Chest Dis* doi: 10.4081/monaldi.2023.2814.
22. Kumar R, Mavi A, Kumar M. Pigeon allergy in asthmatics: An update. *Indian J Allergy Asthma Immunol* 2023;37(1):1-2.
23. Kumar R, Mrigpuri, P, Sarin R, Saini JK, Yadav R, Nagori A, et al. Air pollution and its effects on emergency room visits in tertiary respiratory care centers in Delhi, India. *Monaldi Arch Chest Dis* 2023;94(1):2511.
24. Kumar R, Singh K, Mavi AK, Nagar JK, Kumar M, Mrigpuri M, Spalgais S. To Study the Effect of Interventions to Reduce the Indoor Air Pollution in Asthmatic Children of Rural India. *Indian J Chest Dis Allied Sci* 2023;65(1):44–51.
25. Kumar R, Yadav SR, Kumar A, Mengar M, Gupta N, Pranavish, Gupta S, Sharma D..Split Night versus Full Night Polysomnography in Obstructive Sleep Apnoea Syndrome: A Retrospective Study. *J Clin of Diagn Res* 2023;17(4): OC06-OC08.
26. Lockhart SR, Chowdhary A, Gold JAW. The rapid emergence of antifungal-resistant human-pathogenic fungi. *Nat Rev Microbiol*. 2023;21(12):818-832.
27. Manocha N, Laubretton D, Robert X, Marvel J, Gueguen-Chaignon V, Gouet P, Kumar P, Khanna M. Unveiling a Shield of Hope: A Novel Multiepitope-Based Immunogen for Cross-Serotype Cellular Defense against Dengue Virus. *Vaccines* 2023;12:1-20.
28. Marek A, Meijer EFJ, Tartari E, Zakhour J, Chowdhary A, Voss A, Kanj SS, Bal AM. Environmental monitoring for filamentous fungal pathogens in hematopoietic cell transplant units. *Med Mycol*. 2023;61(10):myad103.
29. Mrigpuri P, Goel N, Spalgais S, Ravishankar N, Sonal S, Yadav SR, Menon B, Kumar R. Uncontrolled Diabetes Mellitus Predicts Post-COVID-19 Fibrosis. *J Assoc Physicians India* 2023;71(7):61–63.
30. Nagelli, SS, Karkada S., Ravishankar N. Interprofessional education among health care professionals in the care of autistic children: a systematic review protocol. *Manipal J Nurs Health Sci* 2023;9(1):52-57.

31. Nayak SG, George A, Sharan K, Nayak BS, Ravishankar N. Effectiveness of Comprehensive Intervention Programme on Quality of life, fatigue, self-efficacy, and psychosocial distress among head and neck cancer patients receiving radiotherapy. *Support Care Cancer* 2024;32:216.
32. Noronha JA, Lewis MS, Phagdol T, Nayak BS, D A, Shetty J, Ravishankar N, Nair S. Efficacy of mHealth Interventions for Improving Maternal and Neonatal Outcomes among Pregnant Women with Hypertensive Disorders: Protocol for a Systematic Review. *JMIR Res Protoc* 2023;12:e51792.
33. Pal G , Mishra HP , Suvvari TK, Tanwar A, Ghosh T, Verma P, Pal A, Patial K, Mahapatra C , Nidhal A, Sara A, Shukoor, Kamal S, Rohil V. Oxidative Stress in Wistar Rats Under Acute Restraint Stress and Its Modulation by Antioxidants and Nitric Oxide Modulators. *Cureus* 2023;15(8):e43333.
34. Rawat J, Kumar A, Mrigpuri P, Jangpangi DS, Singh AP, Bhatt R. Role of single port rigid thoracoscopy in undiagnosed pleural effusion. *Tuberc Respir Dis (Seoul)* 2024; 87(2):194–99.
35. Rehman S, Naqvi M, Ali NH, **Gulati K**, Ray A. Modulation by *Withania somnifera* of stress-induced angiogenesis and airway inflammation in rats. *J Complement Integr Med* 2024;1-7.
36. Rehman S, Faizan M, Ali NH, **Gulati K**, Ray A. Amelioration by *Withania somnifera* of neurobehavioral and immunological markers in time dependent sensitization induced posttraumatic stress disorder in rats. *Indian J Pharmacol* 2024;56:20-7.
37. Sabeena S, Ravishankar N, Kalpana MM. Implementation strategies of cervical cancer screening in South Asia: A systematic review. *Int J Gynecol Obstet* 2024;00:1–11.
38. Sabeena S, Ravishankar N, Robin S, Pillai SS. The impact of coronavirus disease 2019 pandemic on bronchiolitis (lower respiratory tract infection) due to respiratory syncytial virus: A systematic review and meta-analysis. *Indian J Public Health* 2023;67:284-91.
39. Saikia M, George LS, Unnikrishnan B, Nayak BS, Ravishankar N. Thirty years of emotional intelligence: A scoping review of emotional intelligence training programme among nurses. *Int J Mental Health Nurs* 2024;33:37–51.
40. Saroj Shyam Kanhaiya, Kumar Raj, Kumar Manoj. Exploring the nexus: Asthma prevalence, smoking habits, and medication adherence among urban slum dwellers of Delhi. *Indian J Allergy Asthma Immunol* 2023;37:46-9.
41. Seidel D, Wurster S, Jenks JD, Sati H, Gangneux JP, Egger M, Alastruey-Izquierdo A, Ford NP, Chowdhary A, Sprute R, Cornely O, Thompson GR 3rd, Hoenigl M, Kontoyiannis DP. Impact of climate change and natural disasters on fungal infections. *Lancet Microbe*. 2024 19:S2666-5247(24)00039-9.
42. Sequira L, Hebbar S, Ravishankar N. Prevalence and associated risk factors of urolithiasis in India, a systematic review. *Biomed* 2023;43(2):572-76.
43. Sharma D, Yadav SR, Gupta S, et al. Correlation of Inflammatory Markers with Computed Tomography Severity Scores in COVID-19 Patients. *Indian J Chest Dis Allied Sci* 2023;65(2):96–102.
44. Sharma H, Gulati K. Cellular and molecular mechanisms involved in the protective effects of *Aerva Lanata* Linn. on airways remodeling in experimental model of bronchial asthma in rats. *AJPRD* 2024;12(2):139-45.
45. Singh A, Kaur A, Chowdhary A. Fungal pathogens and COVID-19. *Curr Opin Microbiol*. 2023;75:102365.
46. Singh K, Mavi AK, Naga, JK, Kumar M, Spalgais S, Ravishankar N, Kumar R. Quantification of Indoor Respirable Suspended Particulate Matters (RSPM) and Asthma in Rural Children of Delhi-NCR. *Indian J Pediatr* 2023;90(9):860-866.

47. Siva N, Nayak BS, Lewis LES, Velayudhan B, Shenoy RP, Phaneendra M, Ravishankar N. Randomized Controlled Trial on the Effect of the Neonatal Nurse Navigator Program on Maternal Stress and Neonatal Cortisol Levels. *J Obstet Gynecol Neonatal Nurs* 2024;53:185-96.
48. Siva N, Phagdol T, Nayak BS, Mathias EG, Lewis LES, Velayudhan B, Ravishankar N, D'Souza P. Stress and stressors experienced by the parents of high-risk neonates admitted in neonatal intensive care unit: Systematic review and meta-analysis evidence available from India. *Stress Health* 2023;1-6.
49. Spalgais S, Mrigpuri P, Dhilnaz AS, Chorol T, Kumar R. Pulmonary Sarcomatoid Carcinoma Presenting as Massive Pleural Effusion. *Indian J Chest Dis Allied Sci* 2023;65(3):142-46.
50. Spalgais S, Mrigpuri P, Ravishankar N, Kumar R. Pulmonary function and diffusing capacity of carbon monoxide in hypersensitivity pneumonitis: An observational study of 152 patients. *Thorac Res Pract* 2024;25(2):51-56.
51. Spalgais S, Mrigpuri P, Ravishankar N, Kumar R. Pulmonary Function and Diffusing Capacity of Carbon Monoxide in Hypersensitivity Pneumonitis: An Observational Study of 152 Patients. *Thorac Res Pract* 2024;25(2):51-56.
52. Sukumar S, Saha S, Dkhar W, Panakkal NC, Nair VT, Bommasamudram T, Vaishali K, Ravishankar N, Ravichandran S, Kadavigere R. Knowledge of Medical Imaging Professionals on Healthcare-Associated Infections: A Systematic Review and Meta-Analysis. *Int J Environ Res Public Health* 2023;20:4326.

Books

1. Kulshrestha R, Kumar R. Compendium of VPCI Newsletters (2012-23). Vidyanilyam Prakashan Delhi. ISBN No: 982-91-911549-1-4. 2024.
2. Kumar R, Kumar M. Training Manual. In: Kumar R, editor *Allergy and Immunotherapy Sensitization (Module – 4)*. Delhi: Vallabhbhai Patel Chest Institute. ISBN: 982-91-911945-2-5. May 2023.
3. Kumar R, Kumar M. Training Manual. In: Kumar R, editor *Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy*. Delhi: National Center of Respiratory Allergy Asthma & Immunology, Vallabhbhai Patel Chest Institute. ISBN: 978-81-920986-7-5. July 2023.
4. Kumar R, Kumar M. Training Manual. In: Kumar R, editor *Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy*. Delhi: National Center of Respiratory Allergy Asthma & Immunology, Vallabhbhai Patel Chest Institute. ISBN: 978-81-920986-7-5. December 2023.
5. Kumar R, Kumar M. Training Manual. In: Kumar R, editor *Training Manual of 47th Workshop on Respiratory Allergy: Diagnosis & Management*. Delhi: Vallabhbhai Patel Chest Institute. ISBN: 968-81-920556-2-9. December 2023.
6. Kumar R, Mrigpuri P, Kumar M. Training Manual. In: Kumar R, editor *Allergy and Immunotherapy Sensitization (Module – 3)*. Delhi: Vallabhbhai Patel Chest Institute. ISBN: 982-91-911945-2-5. April 2023.
7. Ray A, Gulati K. Nitric Oxide : From Research to Therapeutics. In: Ray A, Gulati K, editors *Advances in Biochemistry in Health and Disease*. Springer-Nature, Switzerland; ISBN no. 978-3-031-24778-1, Print book ISBN: 978-3-031-24777-4. 2023

Chapters in Books

1. Bhalerao U, Anil Kumar Mavi AK, Manglic S, Sakshi, Chowdhury S, Kumar U, Rohil V. An Updated Review on Influenza Viruses. *Emerging Human Viral Diseases*. Springer link. https://doi.org/10.1007/978-981-99-2820-0_2. ISBN 978-981-99-2819-4 ISBN 978-981-99-2820-0 (eBook). 2023:pp71-106.

2. Chakraborti A, Gulati K, Ray A. Sex Differences in Stress and Stress Related Neuropsychiatric Disorders: Focus on Nitric Oxide. In: Ray A, Gulati K, editors *Nitric Oxide from Research to Therapeutics*. Springer Nature, Switzerland AG. ISBN: 978-3-031-24777-4. 2023:pp279-96.
3. Gaur SN, Kumar R, Singh AB, Agarwal MK, Arora N. Indian Guidelines for Immunotherapy. In: Kumar R, editor *Training Manual of Online sensitization about Allergy and Immunotherapy (Module 4)*. Delhi: National Centre of Respiratory Allergy Asthma and Immunology, Vallabhbhai Patel Chest institute. ISBN: 982-91-911945-2-5. 2023: pp12-69.
4. Gulati K, Thokchom SK, Ray A. Nitric Oxide as a Diagnostic and Therapeutic Tool in Respiratory Diseases in Appraisal. In: Ray A, Gulati K, editors *Nitric Oxide from Research to Therapeutics*. Springer Nature, Switzerland AG. ISBN: 978-3-031-24777-4. 2023:pp223-248.
5. Kumar R, Mrigpuri P. Allergy Diagnosis: in vivo. In: Kumar R, editor *Training Manual of Online sensitization about Allergy and Immunotherapy (Module 3)*. Delhi: National Centre of Respiratory Allergy Asthma and Immunology, Vallabhbhai Patel Chest institute. ISBN: 982-91-911945-2-5. 2023: pp1-30.
6. Kumar R. Allergy Focused Patient History. In: Kumar R, editor *Training Manual of Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy*. Delhi: National Centre of Respiratory Allergy Asthma and Immunology, Vallabhbhai Patel Chest institute. ISBN: 978-81-920986-7-5. 2023: pp52-57.
7. Kumar R. Allergy Situation in India. In: Kumar R, editor *Training Manual of Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy*. Delhi: National Centre of Respiratory Allergy Asthma and Immunology, Vallabhbhai Patel Chest institute. ISBN: 978-81-920986-7-5. 2023: pp1-4.
8. Kumar R. Cockroach Exposure and its Allergy Sensitization in Asthma Patients. In: Kumar R, editor *Training Manual of Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy*. Delhi: National Centre of Respiratory Allergy Asthma and Immunology, Vallabhbhai Patel Chest institute. ISBN: 978-81-920986-7-5. 2023: pp173-184.
9. Kumar R. Food Allergy in Bronchial Asthma. In: Kumar R, editor *Training Manual of Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy*. Delhi: National Centre of Respiratory Allergy Asthma and Immunology, Vallabhbhai Patel Chest institute. ISBN: 978-81-920986-7-5. 2023: pp145-52.
10. Kumar R. Food Allergy – Diagnosis. In: Kumar R, editor *Training Manual of Online sensitization about Allergy and Immunotherapy (Module 3)*. Delhi: National Centre of Respiratory Allergy Asthma and Immunology, Vallabhbhai Patel Chest institute. ISBN: 982-91-911945-2-5. 2023: pp35-48.
11. Kumar R. Indian Guidelines for Diagnosis of Respiratory Allergy. In: Kumar R, editor *Training Manual of Certificate Course on Diagnosis of Respiratory Allergy and Immunotherapy*. Delhi: National Centre of Respiratory Allergy Asthma and Immunology, Vallabhbhai Patel Chest institute. ISBN: 978-81-920986-7-5. 2023: pp185-192.
12. Ray A, Gulati K, Rehman S. Translating Nitric Oxide Research to Therapeutics: A Critical Appraisal. In: Ray A, Gulati K, editors *Nitric Oxide from Research to Therapeutics*. Springer Nature, Switzerland AG. ISBN: 978-3-031-24777-4. 2023:pp1-15.
13. Yadav SR. Role of Biologicals in asthma. Training Manual. In: Kumar R, editor *Training Manual of 47th Workshop on Respiratory Allergy: Diagnosis & Management*. Delhi: Vallabhbhai Patel Chest Institute. ISBN:968-81-920556-2-9. December 2023.

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बेटी ने कहा स्मोकिंग इज नाट गुड फॉर हेल्थ, मैंने सिगरेट छोड़ दी : अभिनेता श्रीकांत वर्मा

नई दिल्ली (एसएनबी)। अज्ञाती महोत्सव की अमूल वेला में वह काल्पनिक भाई फटेले वेस्ट इन्स्टीट्यूट (बीपीसीआई) में नेशनल टोबीको कन्सिलेशन सर्विसेस में डकुप्ट योगदान देने वाले काउंसिलर्स को वेस्ट काउंसिलर्स पुरस्कार से नवाजा गया। यहाँ माल रोड स्थित संस्थान के सभाकक्ष में आयोजित समारोह में प्रख्यात टोबीको कलाकार श्रीकांत वर्मा मुख्य अतिथि थे वहीं, केंद्रीय स्वास्थ्य मंत्रालय में नेशनल एंटी टोबीको कंट्रोल की प्रभारी पूजा गुप्ता वेस्ट ऑफ ऑनर के रूप में मौजूद रही। बीपीसीआई के निदेशक डा.

राजकुमार की अध्यक्षता में संयोजन हुए इस समारोह में काउंसिलर्स को सम्मान के रूप में एक स्मृति पत्र और सर्टीफिकेट प्रदान किया गया।

इस मौके पर श्रीकांत वर्मा ने अपने संबोधन में कहा कि जब मैंने अपने करियर की शुरुआत मंत्री हाउस से नाटक में अभिनय करने से प्रारंभ किया तब मुझे एक अभिनय नटोरी के रूप में किया गया था। सटीक प्रदर्शन

के लिए मुझे एक सिगरेट दिया, वह भी पहली बार, तब मुझे भावकर आने लगा, हिम्मत की और अभिनय की सराहना दर्शकों ने की। लेकिन इसके बाद मैं पैन स्मोकर हो गया। मेरी बेटी ने महसूस किया कि जब पापा सिगरेट पीते हैं तब उन्हें तेज खांसी आने लगती है, खांसे-खांसे मैं बाहर चला गया, इस बीच मेरी सुलगाई सिगरेट टेकल पर पड़ी थी, जब मैं, दोबारा अंदर आया और सुलगाई सिगरेट बुझने लगा, इस बीच उसने बताया कि वह गंदी थी, उसे पीने से आंखों तक्कित हर दिन खराब हो जाती है, अब नहीं पीना प्यारा। उसका सुझाव

मेरे जहन में उतर गया, कुछ समय तक मैं सोचता रहा। बेटी ने कहा पापा आप मुझसे प्यार करते हो तो अब सिगरेट को न कह दो। तब मैंने संकल्प लिया और स्मोकिंग छोड़ दिया। इस दौरान सभागार में मौजूद काउंसिलर्स भावुक हो गए। आज मुझे यह कहते हुए गर्व महसूस हो रहा है कि मुझे इस कार्यक्रम के जरिए अपनी बात रखने का मौका दिया गया।

■ समारोह में काउंसिलर्स को सम्मान के रूप में एक स्मृति पत्र और सर्टीफिकेट प्रदान किया

स्मोकिंग छोड़ने के लिए एनटीक्यूएस की लें मदद

■ ज्ञानप्रकाश

नई दिल्ली। एसएनबी

धूम्रपान की लत बहुत बुरी है। ऐसे लोग जो रोज सिगरेट का सेवन करते हैं, उनके लिए इसे छोड़ने का मतलब है कि उनसे उनकी कीमती चीज छीन लेना। लेकिन, जनाब एक बार धूम्रपान का चमका छोड़ कर तो देखिए। आपके शरीर में कुछ ही पलों में वो सकारात्मक अंतर दिखाई देने लगेंगे, जिसकी आपने कल्पना भी नहीं की होगी।

दिल्ली विश्वविद्यालय से संबद्ध काल्पनिक भाई फटेले वेस्ट इन्स्टीट्यूट (बीपीसीआई) के निदेशक प्रो. राज कुमार ने धूम्रपान की लत में पड़ रहे युवाओं को चेतावनी दी साथ ही स्मोकिंग न करने का सुझाव भी दिया। उन्होंने कहा कि नेशनल टोबीको क्विट लाइन सर्विसेज (एनटीक्यूएस) के माध्यम से अब तक करीब 70 लाख ऑनलाइन पाठ्यक्रमों के जरिए स्मोकर्स को सलाह दी जा चुकी है।

काउंसिलर्स के जरिए सटीक परामर्श के जरिए लोग धूम्रपान छोड़ने के प्रति आकर्षित हो रहे हैं। इससे युवा फिलहाल भटकाव की स्थिति है। इसके तहत दिल्ली विश्वविद्यालय के अंतर्गत आने

■ नेशनल टोबीको क्विट लाइन सर्विसेज (एनटीक्यूएस) के जरिए अब तक हो चुकी हैं 70 लाख से अधिक लोगों की काउंसिलिंग

■ कैंपेन के साथ बीपीसीआई ने युवाओं में नशे की लत छुड़ाने के लिए तैयार की रणनीति

■ पहले चरण में डीयू के 90 से अधिक महाविद्यालयों, केंद्र व दिल्ली सरकार के विभिन्न स्कूलों में चलाया जाएगा काउंसिलिंग अभियान

वाले करीब 90 महाविद्यालयों, दिल्ली सरकार, केंद्र सरकार समेत अन्य सरकारी एजेंसियों के तहत चलने वाले निजी और सरकारी स्कूलों में धूम्रपान के नुकसान के प्रति लोगों को जागरूक करने के लिए एंटी स्मोकिंग कैंपेन चलाया जाएगा। इस कार्य में टीबी कलाकार एवं एक्टर श्रीकांत वर्मा का शामिल होने के रूप में सहयोग लेने।

धूम्रपान बंद कर रहा है युवाओं के फेफड़े, दिल, आंत, दिमाग : प्रो.

राजकुमार ने कहा कि धूम्रपान स्वास्थ्य के लिए हानिकारक है। यह आपके शरीर में हजारों रसायनों को छोड़ता है। इसका असर न केवल आपके फेफड़ों पर, बल्कि दिल और शरीर के अन्य अंगों पर भी पड़ता है। अगर आप कई सालों से धूम्रपान करते आ रहे हैं और इसे छोड़ना आपके लिए बेहद कठिन है, ऐसे में केंद्रीय स्वास्थ्य मंत्रालय और विश्व स्वास्थ्य संगठन के सहयोग से शुरू की गई एनटीक्यूएस हेल्पलाइन मदद कर रही है।

दिल्ली ही नहीं बरन देशभर के करीब 782 जिलों में इसकी सेवाएं लोग ले रहे हैं। धूम्रपान की लत छोड़ रहे हैं। यह बदलाव भारत के नव निर्माण में तेजी लाएगा। एनटीक्यूएस लोगों के जीवन को बदल रहा है। काउंसिलिंग के बाद से मसलन, अनिर्वाचित ब्लड प्रेशर, पल्स दर, फेफड़ों में सिंकुटन, क्रोमिकल ट्यूबो में मौजूद फाइबर फेफड़ों से जलन और वैंकटोरिया की तीव्रता कम करने में मददगार साबित हो रही है। धूम्रपान करते समय आपके शरीर में ऑक्सीजन की मात्रा बहुत कम हो जाती है।

Rastriya Sahara
(May 21, 2023)

NEWS PAPER CUTTING



Class 10 Students Top Users Of Tobacco Products, Reveals Survey

New Delhi, May 31 : A survey by Vallabhbhai Patel Chest Institute here has revealed that Class 10 pass students were the highest in numbers among the consumers of tobacco products.



The institute stated on Wednesday that it had received a total of 71,39,473 IVR calls this year until April 30, based on which this conclusion was reached.

On Wednesday, the institute observed World No Tobacco Day and presented this data.

"Out of the total number of IVR calls received by this center this year until April 30, 20,43,227 calls were counselled, including 9,96,302 inbound calls, 26,80,657 outbound calls, and 3,91,160 registered by the call center. A total of 1,56,644 individuals have successfully given up tobacco use," it said.

The institute further stated that the statistics revealed that most of these calls originated from Uttar Pradesh, with a total of 1,23,508 calls.

The data also indicates that males make up the highest percentage at 98 per cent, followed by transgender individuals at 5 per cent of the total population, while females comprise the lowest percentage.

Among the consumers of tobacco, the highest number is 1,74,097 individuals who have passed their Class 10 exam.

The National Tobacco Cessation Service (NTCLS) was initially established in a single room with six counsellor stations, and it was expanded in 2020 by then Union Minister of State for Health, Ashwini Kumar Choubey.

Telugu Stop
(May 31, 2023)

NEWS PAPER CUTTING



नई दिल्ली। वल्लभभाई पटेल चेस्ट इंस्टीट्यूट ने हाल ही में एक सर्वे किया है। जिसमें खुलासा हुआ है कि तंबाकू उत्पादों का इस्तेमाल करने में 10वीं पास छात्रों की संख्या सबसे अधिक थी। उन्हें इस वर्ष 30 अप्रैल तक कुल 71,39,473 आईवीआर कॉल प्राप्त हुए थे, जिसके आधार पर यह निष्कर्ष निकाला।



इंस्टीट्यूट के मुताबिक, 30 अप्रैल 2023 तक केंद्र द्वारा प्राप्त आईवीआर कॉल की कुल संख्या में से 20,43,227 कॉलों की काउंसलिंग की गई, जिनमें 9,96,302 इनबाउंड कॉल, 26,80,657 आउटबाउंड कॉल और 3,91,160 कॉल सेंटर द्वारा पंजीकृत थीं। कुल 1,56,644 लोगों ने सफलतापूर्वक तंबाकू का सेवन छोड़ दिया है।

NEWS PAPER CUTTING

TIMES NOW

Survey Says Class 10 Pass Students Top Users Of Tobacco - Doctors Share Tips To Quit Smoking

Smoking is a known cause of cancer and yet the incidence of it is increasing drastically. It is known to kill millions of people every year. A key preventable cause of death, doctors shed light on the progression of tobacco epidemic in India and its possible negative effects.



It is observed that a large number of people included youngsters smoking due to peer pressure. Other triggers are death of a loved one, relationship and financial...

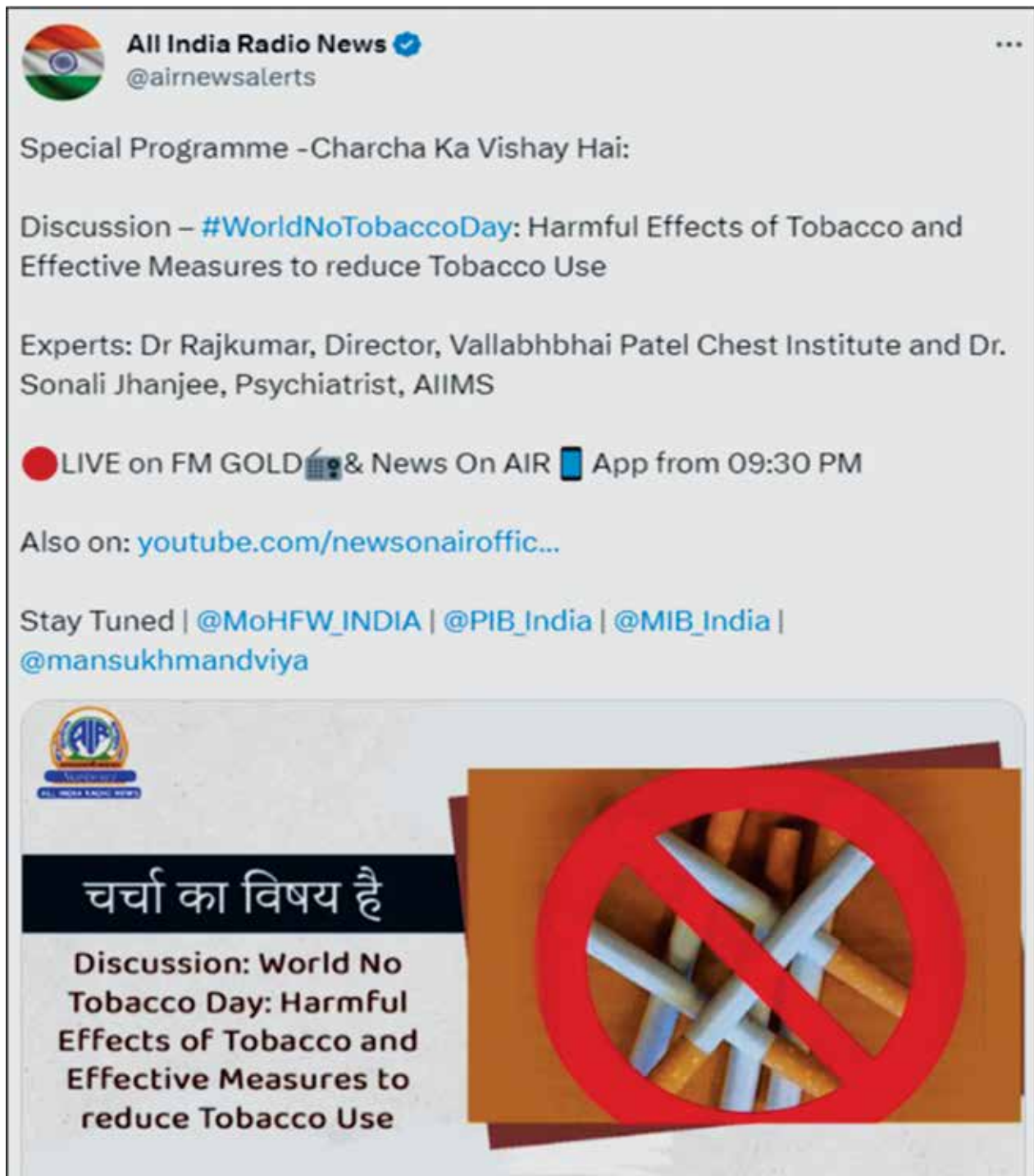
Photo : iStock

New Delhi: World No-Tobacco Day is observed on May 31st every year and from what it seems, the incidence of smoking is increasing significantly. Amidst this, a survey by the Vallabhbhai Patel Chest Institute revealed that class 10 pass students had the highest number of consumers of tobacco products. On Wednesday, the institute revealed that they had received 71,39,473 calls this year until April 30.


"Out of the total number of IVR calls received by this center this year until April 30, 20,43,227 calls were counselled, including 9,96,302 inbound calls, 26,80,657 outbound calls, and 3,91,160 registered by the call center. A total of 1,56,644 individuals have successfully given up tobacco use," IANS reported the institute saying.

Times Now
(May 31, 2023)

NEWS PAPER CUTTING



The image is a screenshot of a tweet from All India Radio News (@airnewsalerts). The tweet is in English and mentions a special programme in Hindi. It discusses World No Tobacco Day, the harmful effects of tobacco, and measures to reduce tobacco use. It lists experts Dr. Rajkumar and Dr. Sonali Jhanjee. It also mentions a live broadcast on FM GOLD and the News On AIR app. There is a link to a YouTube video. The bottom part of the image shows a poster for the same event in Hindi, with a red prohibition sign over a pile of cigarettes.

 **All India Radio News** ✓
@airnewsalerts

Special Programme -Charcha Ka Vishay Hai:


Discussion – [#WorldNoTobaccoDay](#): Harmful Effects of Tobacco and Effective Measures to reduce Tobacco Use

Experts: Dr Rajkumar, Director, Vallabhbhai Patel Chest Institute and Dr. Sonali Jhanjee, Psychiatrist, AIIMS


● LIVE on FM GOLD 📻 & News On AIR 📱 App from 09:30 PM

Also on: youtube.com/newsonairoffice...

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 **चर्चा का विषय है**

Discussion: World No Tobacco Day: Harmful Effects of Tobacco and Effective Measures to reduce Tobacco Use



All India Radio News
(May 31, 2023)

NEWS PAPER CUTTING



10th Pass Children are Among the Maximum Consumers of Tobacco: Reveals NTQLS Data

No. of males is 68% followed by transgender which is 5% of the total population & females which is 2%. Vallabhbhai Patel Chest Institute (University of Delhi), a unique postgraduate medical institute dedicated to research, teaching...



No. of males is 68% followed by transgender which is 5% of the total population & females which is 2%.

Vallabhbhai Patel Chest Institute (University of Delhi), a unique postgraduate medical institute dedicated to research, teaching, and patient care in the field of chest diseases and Society for Tobacco Control celebrated World No Tobacco Day with great fanfare on **World No-Tobacco Day** at Pental Memorial Golden Jubilee Auditorium of Vallabhbhai Patel Chest Institute.



Apart from Vallabhbhai Patel Chest Institute, the institute runs a center named National Tobacco Quitline Service (NTQLS) under the Ministry of Health & Family Welfare, Government of India, which has been working continuously for the last 7 years in the direction of getting rid of tobacco and smoking addiction. In the year 2022, a world class meeting in China in which the Government of India selected Professor Dr. Rajkumar for representation who has been working for the last 20 years in the direction of getting rid of tobacco and smoking addiction.

India's first Quit Line Service was been established at Vallabhbhai Patel Chest Institute and launched by Union Health Minister Harsh Vardhman on 30 May 2020. A toll-free number 18001222398 was also issued, which mandated all tobacco products to be printed with statutory warnings as per the order of the Central Government.

The National Tobacco Cessation Service (NTQLS) was started in operation with 6 counselor stations which was expanded in the year 2020 by the Union Minister of State for Health Shri Anil Kumar Choudhary. At present the number of counselors and other staff has increased and the total number of persons is 64 who serve in two shifts from 8:00 am to 8:00 pm. A total number of 753473 people for the NTQLS for the year 2021-22 (30th April 2022) in which 284322 calls were counseled, out of which 251926 inbound calls and 32407 and 23506 outbound calls were registered by the call center. 101644 are the people who completed have given up tobacco use. The statistics show that most of these calls come from Uttar Pradesh whose number is 122208. The data shows that the number of males is 68% which is the highest followed by transgender which is 5% of the total population and the lowest number females which is 2%. 10th pass children are among the maximum consumers of tobacco whose number is 154927.

Seeing the success of this center, the Ministry of Health, Government of India has now started providing this service in 15 regional languages whose center is established in Delhi including Mumbai, Bangalore, Guwahati. People from India, neighboring countries Sri Lanka, Nepal, Bangladesh, Bhutan etc. have also taken training from us.

Professor Jagdish Kaur, Professor Vipin Aggarwal, Professor Rama, Professor Sanku Ray, Professor Manoj Khanna, Professor Manoj Sinha, and Professor Praveen Garg participated in the World No Tobacco Day program. It was the Principal Investigator of the service. He welcomed all the guests and lighting the lamp said how he was inspired to quit smoking and tobacco. The staff working in the National Tobacco Cessation Service performed a beautiful play based on 'We Saved Food, Not Tobacco'. During a conversation with journalists, he said that it would be like to work with only two objectives first, those who have not started should not start second, those who have started by mistake should quit and to quit if you need any kind of help to quit, we are ready, our team is also ready, we have a quit line, this is my request to all my principals.

Medgate Today Magazine
(May 31, 2023)

NEWS PAPER CUTTING

LATESTLY



World No Tobacco Day (File Image)

New Delhi, May 31: A survey by Vallabhbhai Patel Chest Institute here has revealed that Class 10 pass students were the highest in numbers among the consumers of tobacco products.

The institute stated on Wednesday that it had received a total of 71,39,473 IVR calls

this year until April 30, based on which this conclusion was reached. On Wednesday, the institute observed World No Tobacco Day and presented this data. **World No Tobacco Day 2023: India Becomes Global Leader in Spreading Awareness by Regulating Anti-Tobacco Warnings on OTT Platforms.**

"Out of the total number of IVR calls received by this center this year until April 30, 20,43,227 calls were counselled, including 9,96,302 inbound calls, 26,80,657 outbound calls, and 3,91,160 registered by the call center. A total of 1,56,644 individuals have successfully given up tobacco use," it said.

The institute further stated that the statistics revealed that most of these calls originated from Uttar Pradesh, with a total of 1,23,508 calls. The data also indicates that males make up the highest percentage at 98 per cent, followed by transgender individuals at 5 per cent of the total population, while females comprise the lowest percentage. **World No-Tobacco Day 2023 Date and Theme: Know History and Significance of the Day That Raises Awareness About The Dangers of Tobacco Consumption.**

Among the consumers of tobacco, the highest number is 1,74,097 individuals who have passed their Class 10 exam. The National Tobacco Cessation Service (NTQLS) was initially established in a single room with six counsellor stations, and it was expanded in 2020 by then Union Minister of State for Health, Ashwini Kumar Choubey.

(The above story first appeared on LatestLY on May 31, 2023 02:43 PM IST. For more news and updates on politics, world, sports, entertainment and lifestyle, log on to our website latestly.com).

Latest LY
(May 31, 2023)

NEWS PAPER CUTTING**IANIS****New Delhi, May 31**

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The Tribune
(May 31, 2023)

NEWS PAPER CUTTING**BHASKAR LIVE**
ENGLISH NEWS**Class 10 students top users of tobacco products, reveals survey**

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-IANS

Bhaskar live
(May 31, 2023)

NEWS PAPER CUTTING



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Class 10 students top users of tobacco products, reveals survey

• Wed, May 31 2023 01:20:11 PM

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Daijiworld
(May 31, 2023)

NEWS PAPER CUTTING



Navodaya Times
(May 31, 2023)

NEWS PAPER CUTTING



हरिभूमि P 2

**‘हमें भोजन चाहिए,
तंबाकू नहीं’ पर विस्तार
से की चर्चा**

नई दिल्ली। वल्लभभाई पटेल
चेस्ट इंस्टीट्यूट और सोसाइटी फॉर
तंबाकू कंट्रोल द्वारा पटेल चेस्ट के
पेंटल मेमोरियल गोल्डन जुबली
ऑडिटोरियम में विश्व तंबाकू निषेध
दिवस पर एक कार्यक्रम का
आयोजन किया। इस अवसर पर
विश्व स्वास्थ्य संगठन के टीएफआई
की क्षेत्रीय सलहकार प्रोफेसर
जगदीश कौर बतौर मुख्यातिथि
उपस्थित रही। उन्होंने विश्व तंबाकू
निषेध दिवस के अवसर पर “हमें
भोजन चाहिए, तंबाकू नहीं”
स्लोगन के साथ विस्तार से विषय
पर चर्चा की। मुख्यातिथि द्वारा
एनटीक्यूएलएस विजिटर्स पुस्तक
भी जारी की गई। वल्लभभाई पटेल
चेस्ट इंस्टीट्यूट के निदेशक व
राष्ट्रीय तंबाकू मुक्ति सेवा के
प्रिंसिपल इन्वेस्टिगेटर डॉ. राजकुमार
ने सभी अतिथियों का स्वागत
किया। उन्होंने अपने संबोधन में
बताया कि कैसे उन्हें धूम्रपान व
तंबाकू छुड़वाने की प्रेरणा मिली।

Hari Bhoomi
(June 1, 2023)

NEWS PAPER CUTTING



New Delhi, Jun 2 (PTI) According to a survey conducted by the National Tobacco Quitline Services (NTQLS), which works under the central government, Uttar Pradesh has the highest number of tobacco quitters in the country.

The results of the survey were released by the Vallabhbhai Patel Chest Institute (VPCI) on May 31 to mark 'World No Tobacco Day'.

The VPCI study is based on NTQLS data which revealed that 71,39,473 Interactive Voice Response (IVR) calls were received from 30 April 2016 to 30 May 2023.

Out of total IVR calls received by this centre, 20,43,227 calls were consulted of which 9,96,302 were inbound calls (calls made by the customer to the centre) and 26,80,657 were outbound calls (calls made by the center to the customer) and 3,91,160 were registered by the call centre.

Most of the callers in the survey were from Uttar Pradesh.

According to the survey, 1,56,644 people (40 percent of the people registered in the call center) successfully quit tobacco use. Of these, maximum 1,23,508 were from Uttar Pradesh.

VPCI Director Dr. Rajkumar said, "I would like to work with two objectives. First, those who have not started using tobacco, do not start it. Others who have committed this mistake should leave it.

He said, "If you need any help to quit tobacco, we are ready to help you. NTQLS is already ready to help by providing the right information and proper counseling to quit tobacco."

The survey data indicated that 98 per cent of callers were male while five per cent were transgender who called for help to quit tobacco. Whereas the number of women remained the lowest at 2 per cent.

According to the study, most of the surveyed tobacco users (1,74,097) have studied up to 10th standard.

Delhi: According to a survey conducted by the National Tobacco Quitline Services (NTQLS), which works under the Central Government, Uttar Pradesh has the maximum number of tobacco quitters in the country. The results of the survey were released by the Vallabhbhai Patel Chest Institute (VPCI) on May 31 to mark 'World No Tobacco Day'. The VPCI study is based on NTQLS data which revealed that 71,39,473 Interactive Voice Response (IVR) calls were received from 30 April 2016 to 30 May 2023.

Maximum 1,23,508 from Uttar Pradesh

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read this also

5% transgender calls for help to quit tobacco

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NEWS PAPER CUTTING



तंबाकू उत्पादों का इस्तेमाल करने वालों में 10वीं पास छात्रों की संख्या अधिक

© Updated on 1 Jun, 2023 12:15 PM IST BY DJNEWS.IN



नई दिल्ली। वल्लभभाई पटेल चेस्ट इंस्टीट्यूट ने हाल ही में एक सर्वे किया है। जिसमें खुलासा हुआ है कि तंबाकू उत्पादों का इस्तेमाल करने में 10वीं पास छात्रों की संख्या सबसे अधिक थी। उन्हें इस वर्ष 30 अप्रैल तक कुल 71,39,473 आईवीआर कॉल प्राप्त हुए थे, जिसके आधार पर यह निष्कर्ष निकाला। इंस्टीट्यूट के मुताबिक, 30 अप्रैल 2023 तक केंद्र द्वारा प्राप्त आईवीआर कॉल की कुल संख्या में से 20,43,227 कॉलों की काउंसलिंग की गई, जिनमें 9,96,302 इनबाउंड कॉल, 26,80,657 आउटबाउंड कॉल और 3,91,160 कॉल सेंटर द्वारा पंजीकृत थीं। कुल 1,56,644 लोगों ने सफलतापूर्वक तंबाकू का सेवन छोड़ दिया है।

संस्थान के मुताबिक, आंकड़ों से पता चला है कि इनमें से अधिकांश कुल 1,23,508 कॉलें उत्तर प्रदेश से आईं। डेटा दिखाता है कि पुरुष 98 प्रतिशत, उसके बाद ट्रांसजेंडर व्यक्तियों की कुल आबादी का 5 प्रतिशत है, जबकि महिलाओं में सबसे कम प्रतिशत शामिल है। तंबाकू के उपभोक्ताओं में सबसे अधिक संख्या 1,74,097 व्यक्तियों की है, जिन्होंने 10वीं कक्षा पास की है।

DJ News
(June 1, 2023)

NEWS PAPER CUTTING



नई दिल्ली 01-06-2023

सूर्योदय (गुजरात) 7:15 बजे
सूर्यास्त (गुजरात) 5:24 बजे

दिल्ली फ्रंट पेज

नई दिल्ली, गुजरात 01 जून, 2023

डीयू क्विच लाइन सर्विस • 7 साल में 71 लाख ने फोन किया, 20 लाख की काउंसिलिंग हुई, डेढ़ लाख ने तंबाकू से कर ली तौबा

सात साल पहले पटेल चेस्ट इंस्टीट्यूट में शुरू हुई देश की पहली क्विच लाइन सर्विस, बेहतर रिजल्ट आने के बाद केंद्र ने अलग-अलग शहरों में खोले 15 नए सेंटर

मकसद युज | नई दिल्ली

देश की पहली क्विच लाइन सर्विस कान्फेडरेशन ऑफ चेस्ट इंस्टीट्यूट (दिल्ली विश्वविद्यालय) में स्थापित की गई थी। बीते 7 साल से लगातार तंबाकू से मुक्ति दिलाने के लिए यह सर्विस काम कर रही है। इस वर्ष 30 अप्रैल 2023 तक केंद्र के आईबेआर में कुल 71 लाख 39 हजार 473 लोगों ने तंबाकू छोड़ने के लिए संपर्क किया। इसमें 20 लाख 43 हजार 227 लोगों की काउंसिलिंग की गई। इनमें से 9 लाख 96 हजार 302 इनकाउंट कौन्सलर तथा 26 लाख 80 हजार 657 एवं 3 लाख 91 हजार 160 आउटकाउंट कौन्सलर को कौन्सलर द्वारा पंजीकृत किया गया।

सिगरेट के मुताबिक, 1 लाख 56 हजार 644 ऐसे लोग हैं, जिन्होंने इसे पूरा कर लिया और तंबाकू का सेवन छोड़ दिया है। अंकों के बराबर हैं कि इनमें ज्यादातर कौन्सलर प्रेरा में आती हैं। इनकी संख्या 1 लाख 23 हजार 508 है। इनमें पुरुषों की संख्या 98 फीसदी, इसके बाद 5 फीसदी ट्रांसजेंडर और सबसे कम 2 फीसदी महिलाओं की संख्या है।

सबसे ज्यादा दसवीं पास बच्चे तंबाकू उत्पाद के उपभोगकर्ता

तंबाकू के सर्वाधिक उपभोगकर्ताओं में 10वीं पास बच्चे हैं। इसकी संख्या 1 लाख 74 हजार 097 है। इस केंद्र की सफलता को देखते हुए भारत सरकार के स्वास्थ्य मंत्रालय ने अब 15 शैलीय भाषाओं में यह सेवा उपलब्ध करानी शुरू कर दी है। इसका केंद्र मुंबई, कोलकाता, गुवाहाटी सहित दिल्ली में स्थापित है। यह केंद्र भारत सरकार के स्वास्थ्य एवं परिवार कल्याण मंत्रालय के अधीन है और तंबाकू और धूम्रपान की लत से मुक्त बनाने की दिशा में पिछले 7 वर्षों से काम कर रही है। देश की पहली क्विच लाइन सेवा कान्फेडरेशन ऑफ चेस्ट इंस्टीट्यूट में स्थापित की गई। 30 मई 2016 को स्वास्थ्य मंत्री जेपी नट्टु ने सर्विस शुरू की।

दो मकसद के साथ हो रहा काम

संस्थान के निदेशक व तंबाकू मुक्ति सेवा के निमित्त इन्फॉर्मेटोर डॉ. राजकुमार के अनुसार, हम दो ही ऑब्जेक्टिव के साथ आगे बढ़ते हैं कि यह हान्यमुक्त है। पहला जिन्होंने शुरू न किया है वे शुरू न करें। दूसरा, जिन्होंने पहले से शुरू कर दिया, वे क्विच करें और क्विच करने के लिए अगर कोई हेल्प चाहिए तो हम तैयार हैं। हमारी टीम तैयार है। हमारे पास क्विच लाइन है।

सुबह 8 से रात 8 बजे तक ऑन है हेल्प लाइन

एक टोल फ्री नंबर 1800112356 भी जारी किया गया था, जिसमें तंबाकू उत्पादों को अनिवार्य किया गया था। वैधानिक चेतावनी के साथ मुद्रित होता है। नेशनल टोबैको सेमिनार सर्विस को 6 कार्डमाल स्टेशन के साथ एक कमरे में शुरू किया गया था। हेल्पलाइन सर्विस में पहिलों में सुबह 8 से रात 8 बजे तक संचालित होती है।

NEWS PAPER CUTTING



Rashtriya Sahara
(June 1, 2023)

NEWS PAPER CUTTING



नवभारत टाइम्स

कॉपीस 85% कमिशन खाने वाली पार्टी : PM देखें अवर

काउंसलिंग ने 1.5 लाख लोगों को दिलाया तंबाकू से छुटकारा

पटेल चेस्ट अस्पताल में 7 साल से चल रही है फ्री सेवा

■ विशेष संवाददाता, नई दिल्ली

तंबाकू छोड़ने के लिए कुछ खास टिप्स

- जब तंबाकू की तलब हो तो कम से कम 5 मिनट तक इसे रोके
- पांच मिनट रोक लिया तो तुरंत तलब कम होती है
- खूब पानी पिएं, नींबू पानी का सेवन करें
- योग करें, ब्रीदिंग एक्सरसाइज करें
- इसके बाद काउंसलर की भी सलाह ले सकते हैं
- बाद में डॉक्टर की सलाह पर दवा ले सकते हैं

काउंसलिंग और उसका असर

कुल कॉल 7139493

काउंसलिंग की गई 2043227

तंबाकू छोड़ने वालों की संख्या 156664

अधिकतर कॉल दूधी से 123508

सबसे ज्यादा सेवन करने वाले 10वीं पास बच्चे 174097

पुरुष कॉलर

93%

महिला कॉलर

2%

ट्रांसजेंडर कॉलर

5%

अक्सर लोग तंबाकू की लत से बाहर नहीं निकल पाते। तंबाकू का सेवन करने वाले लोग भी ऐसा समझते हैं कि इससे छुटकारा मिलना आसान नहीं। लेकिन, यह सच नहीं है। डेढ़ लाख से भी ज्यादा लोग तंबाकू की लत से छुटकारा पा चुके हैं। यही काउंसलिंग और एक्सपर्ट के बाएँ तरीकों को अमल में लाकर इन लोगों को तंबाकू की लत से मुक्ति मिली। एक्सपर्ट का कहना है कि कोशिश जरूर करनी चाहिए, बस जरूरत है एक कॉल मिलाने की।

पटेल चेस्ट हॉस्पिटल के डॉपरेक्टर डॉक्टर राजकुमार ने बताया कि 2016 में इस हॉस्पिटल की शुरुआत की गई थी। उस समय केवल 6 काउंसलर थे। लेकिन अब 64 काउंसलर हो गए हैं। तंबाकू की आदत से छुटकारा पाने के लिए टेल फ्री नंबर 1800112356 है। उन्होंने कहा कि इस सेक्टर की सफलता को देखते हुए इसके सेक्टर दिल्ली के अलावा मुंबई, बेंगलुरु और गुवाहाटी में भी खोले गए हैं। अभी 15 क्षेत्रीय भाषाओं में काउंसलिंग शुरू की गई है। यह बड़ी बात है कि काउंसलिंग के जरिए डेढ़ लाख से अधिक लोगों को हम तंबाकू के सेवन से छुटकारा दिलाने में सफल रहे हैं।

एम्स के पास एक्शन लेने का कोई आंकड़ा नहीं

एम्स में पिछले साल दिसंबर में इस अस्पताल को तंबाकू फ्री ज़ोन घोषित किया था। जहां लोगों के तंबाकू प्रॉडक्ट्स के सेवन पर दिल्ली सरकार के कानून के अनुसार 200 रुपये तक जुर्माना वसूले जाने की बात कही गई थी। यही एम्स स्टाफ के पकड़े जाने पर

फरवरी में दो स्टाफ को सस्पेंड भी किया गया था

अनुशासनवाचक कार्रवाई की बात कही गई थी। इसके बाद फरवरी में दो स्टाफ को सस्पेंड भी किया गया था। लेकिन जब तंबाकू निषेध दिवस के मौके पर एम्स प्रशासन से एक्शन के बारे में पूछा गया तो उनके पास इसका कोई रिकॉर्ड नहीं था।

नवभारत टाइम्स P-3

NEWS PAPER CUTTING



INDIA NEWS

Most tobacco quitters in India from Uttar Pradesh: Survey

By Team Newsable

First Published Jun 2, 2023, 4:36 PM IST

HIGHLIGHTS

The survey was based on data from the NTQLS, which received a total of 71,39,473 interactive voice response (IVR) calls between May 30, 2016, and April 30, 2023.

The Vallabhbhai Patel Chest Institute (VPCI) released the findings of a survey conducted on the calls received by the National Tobacco Quit Line Services (NTQLS), a central government initiative.

The survey revealed that the majority of tobacco quitters in the country were from Uttar Pradesh. This information was shared on 'World No Tobacco Day' on May 31. The survey was based on data from the NTQLS, which received a total of 71,39,473 interactive voice response (IVR) calls between May 30, 2016, and April 30, 2023.

Out of these calls, 20,43,227 were counselled, including 9,96,302 inbound calls, 26,80,657 outbound calls, and 3,91,160 registered by the call centre. The survey highlighted that Uttar Pradesh had the highest number of callers, with 1,23,508 calls received.

Among the individuals studied, 40 per cent (1,56,644) successfully quit tobacco use. Dr Raj Kumar, the director of the Vallabhbhai Patel Chest Institute, expressed the institute's objective to prevent individuals from starting tobacco use and assist those who wish to quit.

The National Tobacco Quit Line Service (NTQLS) provides information and counselling for tobacco quitting. The survey data also revealed that 98 per cent of callers were men, 5 per cent were transgender individuals, and 2 per cent were women. The highest number of tobacco consumers surveyed had completed their education till class 10.



Sudden cardiac arrests among young Indians:
What you must know

Alongside treating chest diseases, the VPCI operates the NTQLS as an initiative of the Ministry of Health and Family Welfare. The NTQLS, which has been active for seven years, aims to help people overcome tobacco and smoking addiction. Dr Kumar acknowledged the effectiveness of the counselling and guidance provided by the NTQLS call centre for tobacco users who want to quit.

The NTQLS was inaugurated in 2016 and has since expanded its services with an increased number of counsellors and staff. The toll-free number for the centre is 1800112356, and it operates three satellite centres in NIMHANS Bengaluru, Dr B Borooah Cancer Institute in Guwahati, and Tata Memorial Centre in Mumbai.

Asianet Newsable
(June 1, 2023)

NEWS PAPER CUTTING



Most tobacco quitters are from Uttar Pradesh: Survey

ANI | Updated: Jun 02, 2023 23:04 IST

New Delhi [India], June 2 (ANI): A survey by the Vallabhbhai Patel Chest Institute (VPCI) has suggested that the maximum number of tobacco quitters are from Uttar Pradesh.

The survey by VPCI also brought to notice the commendable work done by the Central government's National Tobacco Quitline Service (NTQLS) in the direction of tobacco consumption control.

Based on the calls received, the NTQLS data reveal that the maximum tobacco quitters are from Uttar Pradesh.

VPCI runs the National Tobacco Quitline Service (NTQLS), which is a link to the Ministry of Health & Family Welfare, Government of India.

The VPCI survey based on NTQLS' data reveals that a total number of 71,39,473 interactive voice response (IVR) calls were received. Out of the total number of IVR calls received by this centre this year until April 30, 20,43,227 calls were counselled, including 9,96,302 inbound calls, 26,80,657 outbound calls, and 3,91,160 registered by the call centre.

A total of 1,56,644 individuals have successfully given up tobacco use. Of 156,644 people who have given up tobacco, a maximum of 123,508 calls were received from Uttar Pradesh.

According to Dr Raj Kumar, Director of VPCI, "I would like to work with two objectives. First, those who have not started using tobacco should not start, second, those who have started by mistake should quit. And if you need any kind of help in quitting, we are ready to help you out."

The survey data also indicates that males make up the highest percentage at 98 per cent, followed by transgender individuals at 5 per cent of the total population, while females comprise the lowest i.e., two per cent. The highest number of tobacco consumers are individuals who have passed their Class 10 exam whose number is 1,74,097.

Dr Kumar added, "The counselling and guidance provided by the NTQLS' call centre have been very useful to the people who are tobacco users but want to quit at the earliest." (ANI)

ANI
(June 2, 2023)

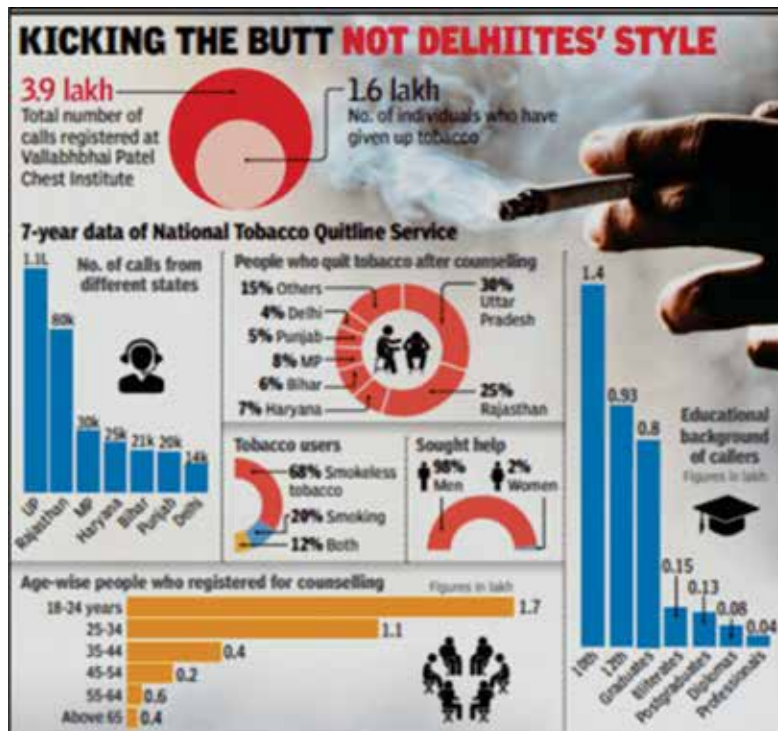
NEWS PAPER CUTTING

Delhi huffs & puffs in its bid to quit smoking, tobacco chewing

TNN | Jun 3, 2023, 05:04 AM IST



NEW DELHI: Delhiites trail residents of UP, Rajasthan, MP and Haryana on quitting tobacco, a helpline has found out after compiling data for nearly seven years. The Vallabhbhai Patel Chest Institute (VPCI) in Delhi, which runs a national quit-line service to guide people seeking to quit tobacco, found that 4% of the 14,000 callers from Delhi gave up the habit, compared with 30% of the 1.12 lakh from UP, 25% of 80,000 callers from Rajasthan, 8% of 30,000 callers from Madhya Pradesh and 7% of 25,000 from Haryana.



Even if one goes by the pro-rata figures, people seeking help from the helpline from Delhi and UP were almost the same, as UP with a population of 24 crores is 8 times the population of Delhi (3.29 crores).

The figures have thrown up interesting details about tobacco addiction. Professor Raj Kumar, the director of VPCI, said the maximum number of people who sought help from the helpline were self-employed (1.6 lakh) followed by 1 lakh from the private sector and 70,000 students. About 25,000 were unemployed. Callers who were government sector employees were 9,000 and retired people were 2,000.

The data also showed that expenditure on tobacco played an important role in the decision to kick the habit. About 1.4 lakh callers spent up to Rs 5,000 a month on tobacco products. This was followed by 90,000 people who spent in the range of Rs 500-Rs 1,000 a month. Callers who could afford and were spending more than Rs 5,000 a month were the least interested in quitting and numbered around 20,000.

"To confirm the individual's status on quitting tobacco, we checked with their family members through continuous follow-ups," professor Raj Kumar said, adding that at least 8-9 follow up calls are required in each case. He said the entire counselling was done by trained psychologists. The toll-free service is a good way to reach people who are reluctant to come forward due to the fear of being judged.

The psychologists posed several questions to the callers to understand the cause for quitting tobacco and the type of counselling they need. Apart from the expense of tobacco products, the other reasons were related to the callers' health and the impact on their children.

The helpline achieved a success rate of almost 40%, as 1.56 lakh of the 3.91 lakh callers quit tobacco use.

The data, compiled from May 30, 2016, to April 30, 2023 - shows the maximum number of people who undertook counselling were between 18 and 24 years (1.70 lakh) followed by those between 25 and 34 years (1.12 lakh), 35-44 years (41,000), 45-54 years (20,000), 55-64 years (6,000) and above 65 years (4,000). The majority of the callers were single (1.96 lakh).

According to WHO, tobacco is one of the biggest public health threats and kills more than 8 million people each year. More than 7 million deaths are from direct use and around 1.2 million are the result of non-smokers being exposed to second-hand smoke.

The Times of India
(June 3, 2023)

NEWS PAPER CUTTING

THE TIMES OF INDIA**Shri Dharmendra Pradhan led a Swacchta hi Sewa – Shramdaan Initiative at Delhi University.**

The initiative has transformed into the world's biggest people – led movement – Shri Dharmendra Pradhan with Prime Minister's inspiration, Swachhta has become our Swabhav – Shri Dharmendra Pradhan.



The Times of India
(October 1, 2023)

NEWS PAPER CUTTING

THE TIMES OF INDIA

Pradhan leads campaign at DU, urges students to take active part



NEW DELHI: Delhi University, along with its affiliated colleges, organised 'Swachhata Hi Seva' campaign on Sunday in the presence of Dharmendra Pradhan, Union minister of education and skill development and entrepreneurship. The drive involved cleanliness activities at G C Narang Marg and Patel Chest of the North Campus.

This cleanliness drive was in response to Prime Minister Narendra Modi's call for active participation of people in cleaning public spaces, such as slums, parks, and lakes, on the occasion of Gandhi Jayanti. Pradhan, along with 25 senior ministry officials, including Sanjay Murthy, secretary of higher education, Acting DU Vice Chancellor Balram Pani, and Shri Prakash Singh, Director, South Campus, spearheaded Swachhata Shramdaan for the drive. The event was also attended by A K Bhagi, president of Delhi University Teachers Association (DUTA), and Tushar Dedha, president of Delhi University Students Union (DUSU), along with teachers, students, administrative staff, and local residents.

The Union minister, while actively participating in the campaign, inspired university teachers, and students to uphold the spirit of cleanliness, initiated by the Prime Minister, and encouraged them to continue with this tradition beyond the Swachhata Pakhwada.

Pradhan also interacted with the doctors at the Vallabhbhai Patel Chest Institute and asked them to be the vanguards of cleanliness in the country. The "Ek Tarikh Ek Ghanta Ek Sath" campaign, from 10 AM to 11AM, resulted in a thorough cleaning of several places in the varsity's premises. It also engendered discussion and mindfulness amongst the university community on their role as responsible citizens to keep public spaces clean.

The Times of India
(October 2, 2023)

NEWS PAPER CUTTING



Vallabhbhai Patel Chest Institute Organises its 7th DR.V.K. VIJAYAN ORATION Programme



New Delhi, October 31, 2023 : Vallabhbhai Patel Chest Institute, a unique postgraduate medical institute known for its research on respiratory diseases and dedicated to research, teaching, and patient care in the field of chest diseases organises its 7th DR. V.K. VIJAYAN ORATION programme on the topic "COPD: The Emerging Epidemic and Our Research Journey." COPD has emerged as an emerging epidemic today and the people were made aware about the COPD epidemic & the research done on it. Giving more information about this, Prof. Anant Mohan, Head Department of Pulmonary Critical Care & Sleep Pulmocon Medicine AIIMS, Delhi, while giving this information, said that *"Firstly, awareness and secondly it is very important for the patient to stay away from pollution and you should keep in touch with your doctor from time to time, otherwise this disease can prove fatal."* Prof. Raj Kumar, Director, Vallabhbhai Patel Chest Institute, has done many major researches in this regard, said that *"Burning plastic or garbage releases black carbon (soot) that contributes to climate change and air pollution. It promotes respiratory diseases like COPD, asthma, and emphysema."* In this program, Dr. J.L. Meena (Member, MARB, National Medical Commission, New Delhi) was the chief guest, Mrs. Vandana Jain (Joint Secretary, Ministry of Health and Family Welfare, Government of India, Nirman Bhawan, New Delhi) was the special guest. Delhi. As guests of honour, Prof. Balram Pani (Dean of College, Delhi University, Delhi) and Prof. Ravindra Kumar Diwan (Director, National Institute of TB and Respiratory Diseases, New Delhi) also participated in this program.

Corporate Comm India (CCI Newswire)

IndiaMed Today
(October 27, 2023)

NEWS PAPER CUTTING

HEALTHCARE RADIUS

Vallabhbhai Patel Chest Institute holds COPD awareness program



Vallabhbhai Patel Chest Institute raises COPD awareness and discusses institute's research on respiratory diseases at the 7th Dr. VK Vijayan Oration program.

Vallabhbhai Patel Chest Institute, known for its respiratory disease research, held discussions and lectures on COPD awareness at the 7th Dr. VK Vijayan Oration program it hosted recently. The event focused on 'COPD: The Emerging Epidemic and Our Research Journey', shedding light on the increasing prevalence of Chronic Obstructive Pulmonary Disease (COPD) and the ongoing research in this field. COPD has become a concerning epidemic, and this program aimed to inform the public about the disease and the research undertaken to combat it. Professor Anant Mohan, Head of the Department of Pulmonary Critical Care & Sleep Pulmocon Medicine at AIIMS, Delhi, stressed the importance of awareness and environmental protection. He emphasized regular medical check-ups for early diagnosis, stating that neglecting this condition can have fatal consequences. Prof. Raj Kumar, Director, Vallabhbhai Patel Chest Institute, conducted significant research related to COPD. He highlighted the environmental factor, explaining that burning plastic or garbage releases black carbon (soot), contributing to climate change and air pollution, which, in turn, leads to respiratory diseases like COPD, asthma, and emphysema.

Dr. JL Meena, Member – MARB, National Medical Commission, New Delhi, was the chief guest for the program. Vandana Jain, Joint Secretary, Ministry of Health and Family Welfare, Government of India, Nirman Bhawan, New Delhi, was the special guest, and Prof. Balram Pani, Dean of College, Delhi University, Delhi and Prof. Ravindra Kumar Diwan, Director, National Institute of TB and Respiratory Diseases, New Delhi were the guests of honor at the event.

Healthcare Radius
(October 27, 2023)

NEWS PAPER CUTTING

राष्ट्रीय सहारा

राष्ट्रीयता ■ कालिख ■ समर्पण



■ नई दिल्ली ■ लखनऊ ■ गोरखपुर ■ बटन
■ कानपुर ■ देवरघाट ■ रायपुर की प्रकाशित

नई दिल्ली

शुक्रवार • 27 अक्टूबर • 2023

14 पृष्ठ, मूल्य ₹ 4.00

श्वसन प्रणाली को क्षतिग्रस्त कर रहा प्रदूषण : डा. राजकुमार

■ नई दिल्ली (एसएनबी) ।

दिल्ली विश्वविद्यालय से संबद्ध वल्लभ भाई पटेल चेस्ट इंस्टीट्यूट ने अपना 7वां डा. वीके विजयन ओरेशन समारोह का आयोजन किया। संस्थान के निदेशक डा. राजकुमार ने पोस्ट कोविड मरीजों में श्वसन तंत्रिका, फेफड़ों (सीओपीडी) संबंधी विकृतियों के बढ़ते मामलों पर चिंता जताते हुए लोगों को ऐसी तकलीफों को नजरअंदाज नहीं करने की सलाह दी।

उन्होंने कहा कि सीओपीडी जैसी उभरती हुई महामारी को रोकने के लिए नवीनतम असरदार औषधियों की खोज की जरूरत है। डा. राजकुमार ने कहा कि प्लास्टिक या कूड़े को जलाने से ब्लैक कार्बन (कालिख) निकलता है, जो जलवायु परिवर्तन और वायु प्रदूषण में योगदान देता है जिससे सीओपीडी, अस्थमा और कफ बनता है। यह स्थिति श्वसन संबंधी बीमारियों को बढ़ावा देती है।



इस मौके पर एम्स में डिपार्टमेंट ऑफ पल्मोनरी क्रिटिकल केयर व स्लीप पल्मोनरी मेडिसिन के प्रमुख डा. आनंद मोहन ने कहा कि जब बात सांस से जुड़ी हुई बीमारियों की आती है तो आज के समय में सीओपीडी एक उभरती हुई महामारी के रूप में सामने आई है। उन्होंने कहा कि एक तो जागरूकता, दूसरा मरीज को प्रदूषण से बचकर रहना बहुत

आवश्यक है और समय समय पर अपने डाक्टर से संपर्क में बने रहना चाहिए अन्यथा यह बीमारी जानलेवा साबित हो सकती है। राष्ट्रीय चिकित्सा आयोग की सदस्य डा.

■ यह स्थिति श्वसन संबंधी बीमारियों को बढ़ावा देती है और ले सकती है महामारी का रूप

जेएल मीना इस मौके पर बतौर मुख्य अतिथि के रूप में मौजूद रही। उत्कृष्ट कार्यों के लिए इस मौके पर कई वैज्ञानिकों को पुरस्कृत किया गया।

अस्पताल में बढ़ा श्वसन रोगियों का दबाव : प्रो. डा. राजकुमार ने बताया कि इंस्टीट्यूट के वाह्य रोगी और आईओपीडी में मरीजों को दबाव बीते कुछ दिनों से दोगुना से भी अधिक हो गया है। यहां पर नए पुराने मरीजों के लिए अलग विंग बनाए गए हैं। बिस्तरों की संख्या में इजाफा किया गया है। जरूरत पड़ने पर रोगी दूसरे अस्पतालों में भी रेफर किए जाएंगे।

NEWS PAPER CUTTING

7

हिन्द की डिस्कवरी

नई दिल्ली, 12 फरवरी 2024 (एनडीए हिन्दी दैनिक) - नई दिल्ली

भारतीय अर्थव्यवस्था में हो रहे बदलाव की बयार पर प्रश्न चिन्ह क्यों?

नई दिल्ली: प्रधानमंत्री नरेंद्र मोदी की सरकार ने आर्थिक, सामाजिक एवं राजनीतिक क्षेत्रों में जो नए कदम उठाए हैं, वे भारतीय जनता के लिए एक नए अर्थव्यवस्था की नींव रख रहे हैं। इन कदमों के माध्यम से सरकार न केवल विकास को बढ़ावा दे रही है, बल्कि देश के नागरिकों को बेरोजगारी से निवारित करने का प्रयास कर रही है।

ECONOMY

सरकार द्वारा किए गए इन कदमों के माध्यम से देश की अर्थव्यवस्था को तेजी से आगे बढ़ाया जा रहा है। नए कदमों के माध्यम से सरकार न केवल विकास को बढ़ावा दे रही है, बल्कि देश के नागरिकों को बेरोजगारी से निवारित करने का प्रयास कर रही है।

एक आर्थिक विशेषज्ञ के अनुसार, देश की अर्थव्यवस्था को तेजी से आगे बढ़ाया जा रहा है। नए कदमों के माध्यम से सरकार न केवल विकास को बढ़ावा दे रही है, बल्कि देश के नागरिकों को बेरोजगारी से निवारित करने का प्रयास कर रही है।

वल्लभभाई पटेल चेस्ट इन्स्टिट्यूट में 5 दिन से चल रही 47वीं एलर्जी वर्कशाप का समापन
इस वर्कशाप में एलर्जी, रेस्पिरेटरी एलर्जी, उसके डायग्नोसिस और मैनेजमेंट
को लेकर देश के विभिन्न प्रान्तों से आये डॉक्टरों को सफल प्रशिक्षण दिया गया

नई दिल्ली
अजय कुमार
हिन्द की डिस्कवरी

भारतभर में फैले हुए हिन्दू विश्वविद्यालयों में एक नए प्रयोग शुरू हो रहा है। इस प्रयोग में देश के विभिन्न प्रान्तों से आये डॉक्टरों को सफल प्रशिक्षण दिया गया।

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NEWS PAPER CUTTING



Vallabhbhai Patel Chest Institute Wraps Up Successful Allergy Workshop

The Vallabhbhai Patel Chest Institute, a distinguished postgraduate medical institution specializing in research, education, and patient care in chest diseases, concluded its 47th Allergy Workshop after a successful five-day session. Thirty-five doctors from various states across the nation received comprehensive training on respiratory allergies, their diagnosis, and management during this workshop.

Prof. Raj Kumar, the Institute's Director renowned for his extensive research in respiratory allergies, emphasized the critical need for raising awareness about these conditions. He noted that approximately 40% of the population in the country suffers from some form of allergy, and the institute has already trained over 5000 doctors in addressing this issue. The recent workshop continued this tradition, with 35 doctors from diverse regions benefiting from the specialized training provided. Distinguished medical professionals, including Padma Shri Dr. D Behera, Dr. AB Singh (Emeritus Scientist, former Deputy Director of the Institute of Genomics and Integrative Biology), Dr. MK Aggarwal, and others, contributed to the workshop, lending their expertise to enhance participants' knowledge and skills.

Situated in the heart of Delhi University's main campus, the institute offers an ideal academic environment conducive to learning and research. Recognizing the pressing national need to address chest diseases affecting a significant portion of the population, the institute has effectively fulfilled its role and garnered acclaim in the field of chest medicine. With a focus on respiratory diseases, particularly respiratory allergies, the Vallabhbhai Patel Chest Institute has established itself as a leading institution in India, known for its pioneering research and contributions to the field.

Drug Today
(February 20, 2024)

NEWS PAPER CUTTING

Vallabhbhai Patel Chest Institute Trains 35 Doctors at 47th Allergy Workshop



The 47th Allergy Workshop, organized by Vallabhbhai Patel Chest Institute (VPCI), a postgraduate medical institute for chest diseases, ended on Monday. The five-day workshop trained 35 doctors from different states of India on various aspects of respiratory allergy, such as its causes, symptoms, tests, and treatments.

Prof. Raj Kumar, Director of VPCI, who has conducted many researches on respiratory allergies, said, *"There is a great need for awareness regarding respiratory allergies, as about 40 percent of the population in the country is suffering from some allergy or the other. So far, more than 5000 doctors have been trained in this regard. Our institute has been working on respiratory allergies since the beginning."*

The workshop featured lectures, demonstrations, and hands-on sessions by experts from VPCI and other institutes. Some of the speakers were Padma Shri Dr. D Behera, Dr. AB Singh, Dr. MK Aggarwal, Dr. Rajendra Prasad, Dr. Achal Gulati, Dr. Anant Mohan, Dr. Roopak Singla, Dr. Amitesh Gupta, Dr. Girish Patwardhan, Dr. Ashok Shah, Dr. Naveen Arora, Dr. Mahesh Goyal, Dr. BK Menon, Prof. (Dr.) Virendra Singh, Dr. VK Jain, Dr. Nitin Gupta, Dr. Sonam Spalgis, Dr. Parul Mrippuri, Dr. Siddharth Raj Yadav, Dr. Manoj Kumar, and Dr. Vidushi Rathi.

The workshop aimed to enhance the knowledge and skills of the doctors in dealing with respiratory allergy cases and to promote the best practices in the field.

Edukida Desk
(February 20, 2024)

NEWS PAPER CUTTING**VPCI concludes its 47th Allergy Workshop**

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Express Health Care
(February 21, 2024)

NEWS PAPER CUTTING



Patel Chest Director Recognised with ATS Public Service Award

The American Thoracic Society (ATS) Awards Committee has bestowed the prestigious ATS Public Service Award upon Prof. Raj Kumar, Director of the Vallabhbhai Patel Chest Institute (VPCI), in acknowledgement of his outstanding contributions to public health and air quality improvement. The award, conferred during the ATS 2024 International Conference in San Diego, California, recognizes Prof. Kumar's unwavering dedication to addressing critical issues such as tobacco cessation, lung disease prevention, and the promotion of respiratory health equity.

The ATS Public Service Award is reserved for individuals who have demonstrated exemplary leadership and advocacy in advancing public health initiatives related to air quality enhancement, tobacco control, communicable respiratory disease management, and critical care. Prof. Raj Kumar's remarkable contributions in these spheres have earned him the admiration and recognition of his peers and the broader healthcare community.

For over two decades, Prof. Raj Kumar has been at the forefront of efforts to combat lung-related diseases and improve air quality standards. Serving as the Director of Vallabhbhai Patel Chest Institute, he has spearheaded numerous initiatives aimed at promoting tobacco cessation and fostering respiratory health awareness. Notably, Prof. Kumar's commitment to this cause is exemplified by his generous donation of over Rs. 5 lakhs towards tobacco cessation efforts.

One of Prof. Kumar's seminal achievements includes the establishment of India's first quitline service, a milestone initiative aimed at assisting individuals in their journey towards tobacco cessation. His visionary proposal for a quitline, presented in 2014, garnered significant attention and support, culminating in its official launch on May 30, 2016, by the esteemed Shri Jai Prakash Nadda, former Union Health Minister. Since its inception, the quitline service has provided invaluable support to countless individuals seeking to overcome tobacco addiction, with Prof. Kumar serving as its Principal Investigator and a driving force behind its success.

Furthermore, Prof. Raj Kumar's advocacy efforts have led to the incorporation of a toll-free quitline number (1800112356) on the packaging of all tobacco products in compliance with government mandates, further amplifying the reach and impact of tobacco cessation interventions.

Prof. Kumar's tireless dedication to public service and his transformative contributions to respiratory health and tobacco control epitomize the spirit of the ATS Public Service Award. His exemplary leadership and unwavering commitment serve as an inspiration to healthcare professionals worldwide, underscoring the importance of collective action in addressing pressing public health challenges.

Drug Today
(March 18, 2024)

NEWS PAPER CUTTING

HEALTHCARE RADIUS

Lung doctor award for tobacco control efforts



Prof. Raj Kumar, Director of the Vallabhbhai Patel Chest Institute (VPCI) in India, received the American Thoracic Society's (ATS) Public Service Award for his public service in the form of his tobacco control efforts in India.

The award recognizes individuals working on public health issues related to lung health. Prof Kumar has dedicated two decades to these areas, particularly tobacco control and air quality improvement.

Prof. Kumar, states a press release, has been serving for the last two decades in the areas of tobacco cessation and air quality improvement. He currently leads VPCI and has personally donated handsomely to anti-tobacco efforts. Notably, his quit line proposal in 2014 was adopted by the government, leading to India's first national quit line service launched in 2016.

Health Radius
(March 19, 2024)





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