



Yearbook 2019-2020

Of Healing Temples, Good Doctors *and* Florence Nightingales



Guru Gobind Singh Indraprastha University
University School of Medicine and
Paramedical Health Sciences

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About this Yearbook

This Yearbook marks a new beginning. It is the first volume in twenty-one years since the University School of Medicine and Paramedical Health Sciences, Guru Gobind Singh Indraprastha University came into existence. This is as much a measure of inspiration received from Hon'ble Vice Chancellor, Prof. (Dr.) Mahesh Verma as the fond cooperation of the member institutions. While every effort was made to collate and record all the data with correctness, if any omissions or errors exist, they are inadvertent and deeply regretted.

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ज्योतिर्वृणीत तमसो विजानन्

अंधकार को जान लें अगर
उजियारा दिख जाए स्वयम्
स्वयम् स्वयम् लाएंगे हम
सच का सवेरा!

समुन्नति का सपना सुनहरा
विद्या की लौ और लगन से
हट जाएगा यह तम घनेरा।

इस धरा से आसमां तक
हम बना लें, अपनी ज्ञान-गरिमा।
अपने श्रम से, कौशलों से
हम बढ़ा लें, अपनी मान-महिमा।

फैल जाय सुगंध अपनी हर दिशा में,
प्रगति पथ पर, ख्याति अपनी, हो हवा में।
बादलों से ऊंची अपनी उड़ान,
हम करेंगे विश्व का कल्याण।

हम इंद्रप्रस्थ की हैं अंजुमन
हम इंद्रप्रस्थ को करते नमन
पा लें गुरु गोबिंद सिंह की
राह, ज्ञान-गंगा-गगन!

हट जाएगा यह तम घनेरा,
लाएंगे हम सच का सवेरा।



Table of Contents

Kulgeet

A Journey from Darkness to Eternal Light of Knowledge 3

Savouring the journey of University School of Medicine

Prof. (Dr.) Mahesh Verma

6

Of Contemporary Medical Sciences and Dental Surgery

The Largest Medical Varsity of the Capital

15

Of Magical Rainbows and Joy of Rekindling Lives

Prof. (Dr.) Yatish Agarwal

8

Schools of Alternative Healing

Of Ancient Indian traditions to the
Philosophy of Samuel Hahnemann

18

Romance of Ancient and Modern Pathies and Verticals in Synergy

The Story So Far

10

Comrades of Time

Of Careers in Paramedical Health Sciences

81

Of Nightingales and Soulful Music of Compassion and Care

A Career in Nursing Sciences

85

The Doctor of Philosophy Programme

Crossing New Frontiers

88

Of Partners in Education

The Affiliate Medical Institutions

90

The Path Ahead

100



Savouring the journey of **University School of Medicine**

Down the ages, since the advent of man, of the many galaxies of knowledge, understanding and wisdom the human beings have voyaged through, easily the most enchanting, the most exhilarating, the most engaging and the most bountiful has been the starry constellation of medicine. Piecing knowledge extracted through common experiences, folklore, community studies, scientific documentation, experimentation, and innovation, unravelling the secrets and truths that make the human body, mind and spirit tango with the joys of life, and savour the rainbows and the heavenly dance of Spring in blossom, the foundations of School of Medicine have increasingly become stronger and weightier, and its teachers and practitioners have

received the greatest adulation of the species. Globally, many thinkers — not just in the Eastern hemisphere — have elevated medical men to the high pedestal of demi-gods.

For any University, therefore, to be endowed with a School of Medicine, must count as heaven's own blessings. That in this University, still in its young twenties, out of a total of 14 Schools and 111 affiliate colleges with close to 90,000 students, the School of Medicine enjoys synergy and close bonding with 32 medical institutions, and runs out of a total of 182 academic programmes

more than 75 academic courses, and promotes doctoral and post-doctoral research in a number of areas is a hugely proud accomplishment.

Our cups of joy are full when we find that our medical colleges are rated among the best in the country, and the doctors, medical techs and nurses we make, hold the glory of this noble profession well and truly with their keen knowledge, devotion, commitment, empathy and humanism—the sine qua non of being good medical and healthcare professionals.

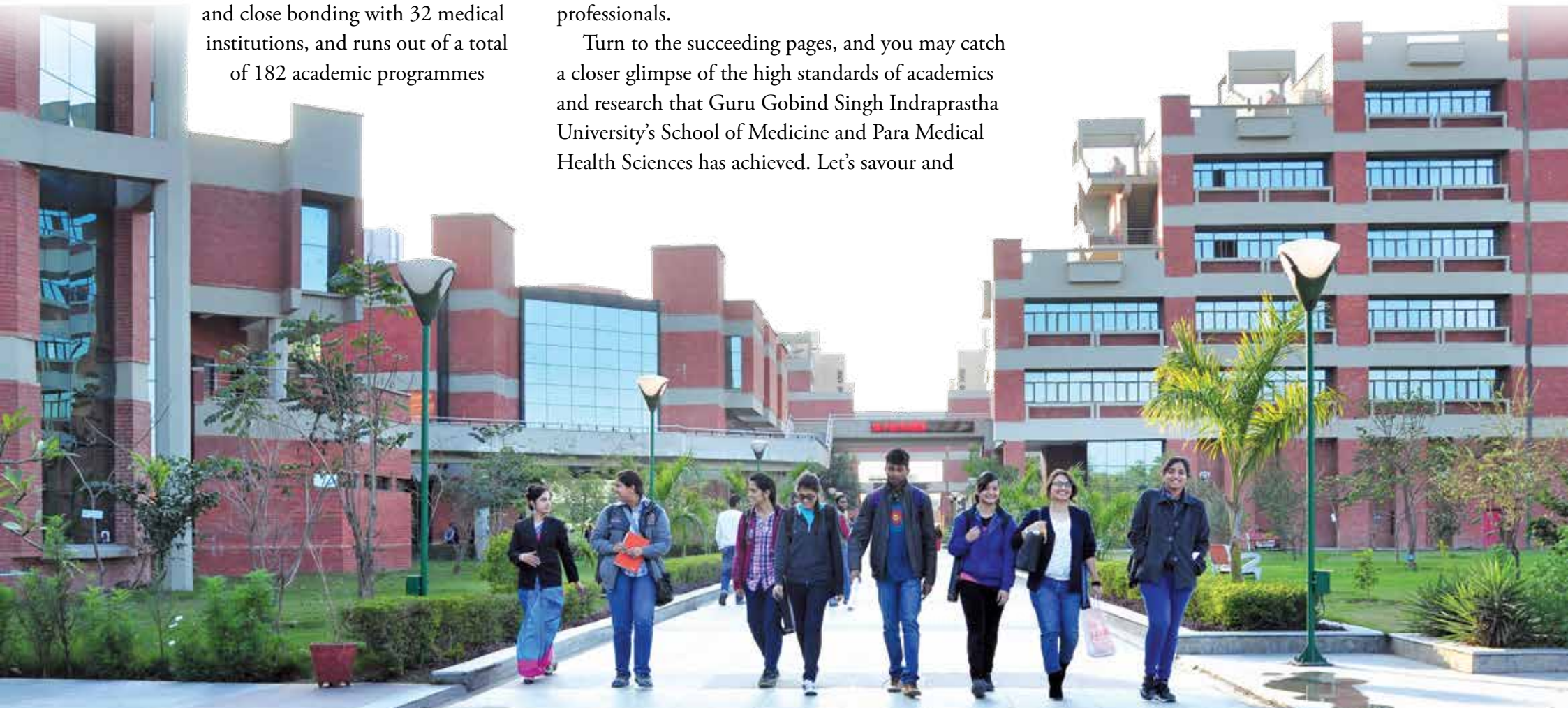
Turn to the succeeding pages, and you may catch a closer glimpse of the high standards of academics and research that Guru Gobind Singh Indraprastha University's School of Medicine and Para Medical Health Sciences has achieved. Let's savour and

celebrate their proud achievements and pray that may their glory grow! Amen!

Prof. (Dr.) Mahesh Verma

MDS, MBA, PhD, DSc, FDSRCS (England)
FDSRCS (Edinburgh), FDSRCPSG (Glasgow)

Vice Chancellor, Guru Gobind Singh
Indraprastha University






Of Magical Rainbows and Joy of Rekindling Lives

The human life is imbued with two kinds of truths: the truth that lights the way and the truth that warms the heart. The first of these is science, and the second is art! Those who dwell the quarters of healing temples, be they be physicians, paramedics or nurses, must imbibe both these truths. As medicine trudges on... solemn in its quest to uncover the great truths that lie hidden within us, endeavours to understand the mind-boggling patterns and mechanisms of derangements, dysfunctions, and aberrations that afflict us, and finds roadmaps to ease the suffering and cure ailing bodies and minds, the duty of those who teach, train, and inspire the future practitioners of medicine becomes laden with gravitas and huge trials and tribulations.

Those who teach, and those being taught and must carry the torch forward, must never forget that the



biological milieu is marked and marshalled by so many variables that medicine can ill-afford to let go off its humility and goodness. Just as a great teacher once said, 'Medicine is a science of uncertainty and an art of probability'! While biotechnology blossoms and finds nano-solutions, artificial intelligence and machine learning pump up the algorithmic approaches in medicine making it more machine-driven and error-proof, the secret lies in not letting the values set by our forefathers fade and wither away. Let this be our guiding thought, as we dig hard under, and set our mind and eyes to the keyhole of progress.

Indeed, to be a physician, a paramedic, or a nurse is a joy with few equals. It gives us the opportunity to nurture well-being, preserve life, and renew joy in the lives of other people. Each

day is filled with brand new challenges, fresh quests, and a myriad of rainbows, replete with the glowing colours of rapidly growing knowledge, cutting edge technology, new healing molecules, and the delight of rekindling life.

As science spreads wings to fly over the unmapped territories of human body and mind, making steady progress and drawing new blueprints to resolve pathological conditions

that trouble life, the *tour de force* of medicine, biotechnology, paramedical and nursing sciences must be to herald a thousand, nay ten thousand splendid suns in the lives of people.

While being devoted to developing the highest ethical values, and a deep understanding, sensitivity and care of the human mind and body, the University School of Medicine and Paramedical Health Sciences, Guru Gobind Singh Indraprastha University is committed to advancing promotive, preventive and curative healthcare – across systems of medicine, Western and Indian, modern and ancient, and foster pious confluence of diverse pathies, nursing sciences, and paramedical disciplines.

Prof. (Dr.) Yatish Agarwal

M.D. Radiodiagnosis

D.Sc. Community Medicine

D.Sc. Science Communication



Romance of Ancient and Modern Pathies and Verticals in Synergy

The Story So Far

*Honor the healer for his services,
for the Lord created him.
His skill comes from the Most High,
and he is rewarded by kings.
The healer's knowledge gives him
high standing
and wins him the admiration of the great.
—Apocrypha, Ecclesiasticus*

Set up in the year 2001, the School is currently headed by Prof. (Dr.) Yatish Agarwal, who has been the Dean since September 24, 2018. The School has a synergistic synapse with 32 affiliate medical and allied institutions, is a home to more than 75 academic courses, and promotes doctoral and post-doctoral research in a number of areas to meet the scientific quest of scholars.

While it is an alma mater to five medical colleges which run MBBS programme, it has a dental college which imparts teaching and training for BDS, an ayurveda college taking students through to the bachelors' degree of BAMS, a national apex yoga institution promoting a bachelors' and masters' degree in yoga, and a homeopathic college teaching and training the young scholars the art of homeopathy through BHMS.

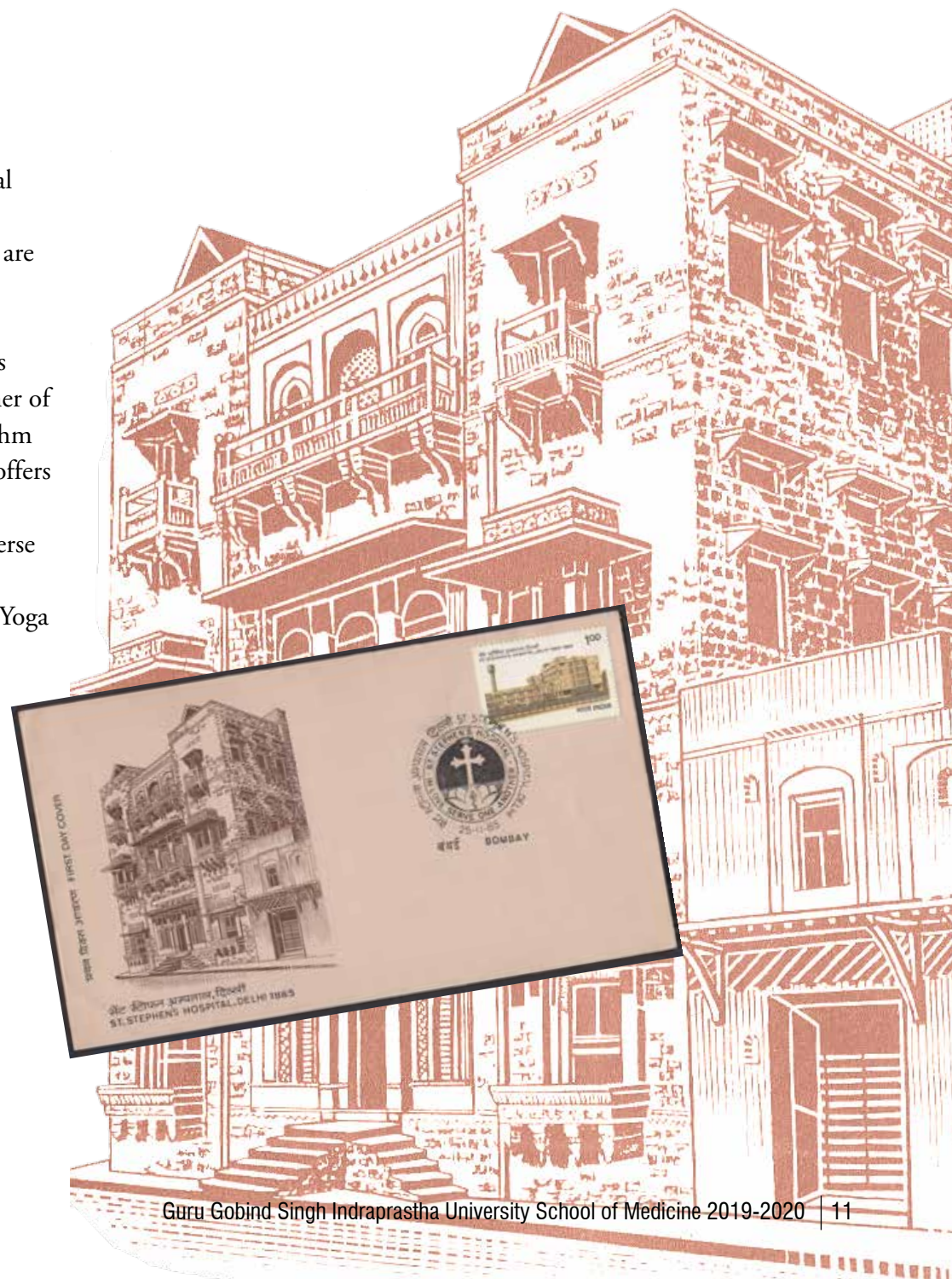
The affiliated medical colleges command a huge esteem. They celebrate a high national ranking, and the School's first medical college, Vardhman Mahavir Medical College and Safdarjung Hospital has consistently been in the best ten

medical colleges of the country.

Three of the School's medical institutions run post-MBBS doctoral courses in 23 disciplines, while postdoctoral super specialty courses are run in 11 sub-streams.

The School prizes its academic programmes in alternative pathies as much. They are run under the banner of AYUSH. While the Chaudhary Brahm Prakash Ayurved Charak Sansthan offers a bachelors' degree in ayurveda and post-BAMS MD courses in five diverse streams of this ancient science, the Morarji Desai National Institute of Yoga is a flagship institution in the art, science and philosophy of yoga. Then again, the Dr. B.R. Sur Homeopathic Medical College and Hospital and Research Centre is an institution well known for its bachelors' degree programme in homeopathy.

The BSc and MSc nursing courses are run in seven nursing colleges, with the St. Stephen's Hospital carrying a piece of prized



history with it. It was the first institution in India to begin a training school for nurses under Alice Wilkinson — the first trained British nurse who joined the hospital in 1908.

The School's realm in paramedical sciences is equally acclaimed. It fosters nine undergraduate courses and eight postgraduate courses in thirteen medical and allied institutions across Delhi.

To crown it all, the School nurtures masters of philosophy programme in clinical psychology as well as in psychiatric social work, and it partners with a large number of medical institutions for scholars wishing to pursue doctor of philosophy on any research question in the vast and evolving knowledge-kingdom of medical and paramedical health sciences.

The faculty associated with each of the 32 affiliate institutions is amongst the finest — highly accomplished, deeply committed, and blessed with outstanding academic credentials. Well-grounded in modern teaching and research methodologies, many of them have published books, monographs and a number of high-value research papers in top-notch international journals. A number of faculty have won major recognition in academia both on national and international forums.

This year, the dean of the school, Prof. Yatish Agarwal received the celebrated Hindi Akademi



National Lifetime Achievement Award for his contribution to scientific literature. The Gyan-Prodyogiki Sahitya Samman was conferred on him by the deputy chief minister of Delhi Shri Manish Sisodia on September 30, 2019 in New Delhi.

The Four Verticals

Bejewelled with a galaxy of academic programmes, the functioning of the School is governed by a number of statutory bodies, which hold their own set of regulations. Each broad category carries its distinctive structure; still, each is welded to the other in some or the other way. Simply, for reasons of ease, these programmes can be broadly grouped into four major verticals:

- Medical and Dental Science
- Alternative Systems of Medicine
- Paramedical Sciences
- Nursing Science

Each vertical carries a distinct ethos, social recognition, and utility, yet, they are bound by a common sacred thread, a common purpose of helping people to live longer, healthier lives. The great French philosopher, François Marie Arouet de Voltaire, whose works epitomize the Age of Enlightenment, saluted the practitioners of medicine close to two hundred and fifty years ago in this manner:

“Men, who are occupied in the restoration of health to other men, by the joint exertion of skill and humanity, are above all the great of the earth. They even partake of divinity, since to preserve and renew is almost as noble as to create.”

The Guiding Lights

The School is guided by a board of brilliant key thought leaders, who bring their vision, imagination and multidisciplinary expertise to carve the current and prospective academic path. Each member of the Board of Studies carries a huge experience behind them, reflects a hugely positive stance and is a staunch protagonist of avant-garde approach. They belong to different fields and are *primum inter pares* of their disciplines.





Prof. (Dr.) Pranav N. Desai
Principal Coordinator
and Founding Member,
Trans-Disciplinary
Innovation Research
Cluster on Sustainability
Studies, Jawaharlal Nehru

University, New Delhi; Visiting Fellow, Centre for Biomedicine and Society, King's College, London, UK; Member, Scientific Committee, Journal of Innovation and Development, Routledge (Taylor & Francis group); Regional Editor, South Asia World Review of Science, Technology and Sustainable Development.



Prof. (Dr.) Sanjay Chaturvedi
Poet, thinker, author, editor
and policymaker. Chief
of Community Medicine,
University College of
Medical Sciences, Delhi;
Fellow of National Academy

of Medical Sciences, Indian Public Health Association and Indian Association of Preventive and Social Medicine; Technical Expert to WHO on Evaluation of WHO Collaborating Centres in SEAR, Community-based Services, and Prevention and Control of Injury and Violence; Member

of India Expert Advisory Groups on Polio and Measles-Rubella, IDRC EcoHealth Research Core Group, National AEFI Committee, and Central Coordinating Team of International Clinical Epidemiology Network. WHO Fellow at UCLA and UC Berkley in 1989.



Prof. (Dr.) Mahesh Verma
Dental surgeon, researcher,
innovator, institution-
builder and a key global
thought leader; presently
the Vice Chancellor, Guru
Gobind Singh Indraprastha

University, New Delhi; a staunch protagonist of atmanirbhar Bharat; brain, spirit and soul behind India's rank one dental institution, Maulana Azad Institute of Dental Sciences, New Delhi; first Indian to be elected to the Science Committee of Federation Dentare International (FDI), world's apex policy body of 130 dental organizations; Fellow of the Royal College of Surgeons England, Fellow of the Royal College of Surgeons Glasgow and Fellow of the Royal College of Surgeons Edinburgh and a visiting professor at the School of Dental Medicine, Tufts University, Boston, USA; Dr. B.C. Roy National Award in 2007 and civil honour Padma Shri in 2014.



Prof. (Dr.) Yogendra Singh
J.C. Bose National Fellow;
President, Association of
Microbiologists of India;
Dean, Research, Life Sciences,
University of Delhi; Moselio
Schachter Distinguished

Service Award, American Society for Microbiology; Fellow, Indian National Science Academy; Fellow, Indian Academy of Sciences; Fellow, National Academy of Sciences, India; Rockefeller Career Development Award (1994); Research Scientist at National Institutes of Health, USA, 1983-87, 1989-91 and 2008-09.



Prof. (Dr.) Sunil Sharma
Dean, Indian Spinal Injuries
Centre, New Delhi; Former
President and CEO Clifford
& Emily LLC, USA; Former
Assistant Director, Clinical

Research, Herichson Biomedics, Friendswood, TX; Former Chief of Public Health Laboratory, Riyadh, Saudi Arabia; and formerly with Department of Infectious Diseases, NYU Hospital and Medical Centre, New York, USA and with George Washington University School of Medicine and Health, Washington, DC, USA.



Prof. (Dr.) D.K. Sharma
Medical Superintendent at the All India Institute of Medical Sciences, New Delhi; Governing Body Member and Vice President, National

Board of Examinations; Member of the Expert Committee, Pradhan Mantri Swasthya Suraksha Yojana; Fellow, International Medical Sciences Academy; Academy of Hospital Administration; Indian Hospital Association; and Indian Society of Health Administrators.



Prof. (Dr.) Renuka Sharma
Physiologist, academic, researcher, teacher and mentor. Faculty In-charge, Undergraduate Academics and Internship Programme,

Vardhman Mahavir Medical College & Safdarjung Hospital; Pan-India Resource Faculty for International Union of Physiological Sciences; Content Reviewer UGC e-Pathshala project for Postgraduate students in collaboration with Departments of Physiology and Biochemistry, AIIMS, New Delhi. Advisor to Indian Council of Medical Research, Union Public Service Commission and several other public bodies.



Prof. Ona Desai
Rehabilitation medicine specialist, academic, researcher, teacher and mentor. Dean, School of Nursing Sciences and Allied Health, Jamia Hamdard,

New Delhi; Head, Department of Rehabilitation Sciences; Leader in neuro-rehabilitation and paediatric neurology clinical services; policymaker and staunch protagonist of bringing progressive changes in teaching methodologies.



Col. Gaurav Kapoor
Senior Advisor Ophthalmology, Base Hospital and Army College of Medical Sciences, Delhi Cantonment;

researcher, author, teacher and mentor; designed and innovated two new ophthalmic surgical instruments for use in cataract surgery.



Prof. (Dr.) Pulin K. Gupta
Internist, academic, researcher, teacher and mentor. Consultant in Internal Medicine, Atal Bihari Vajpayee Institute of

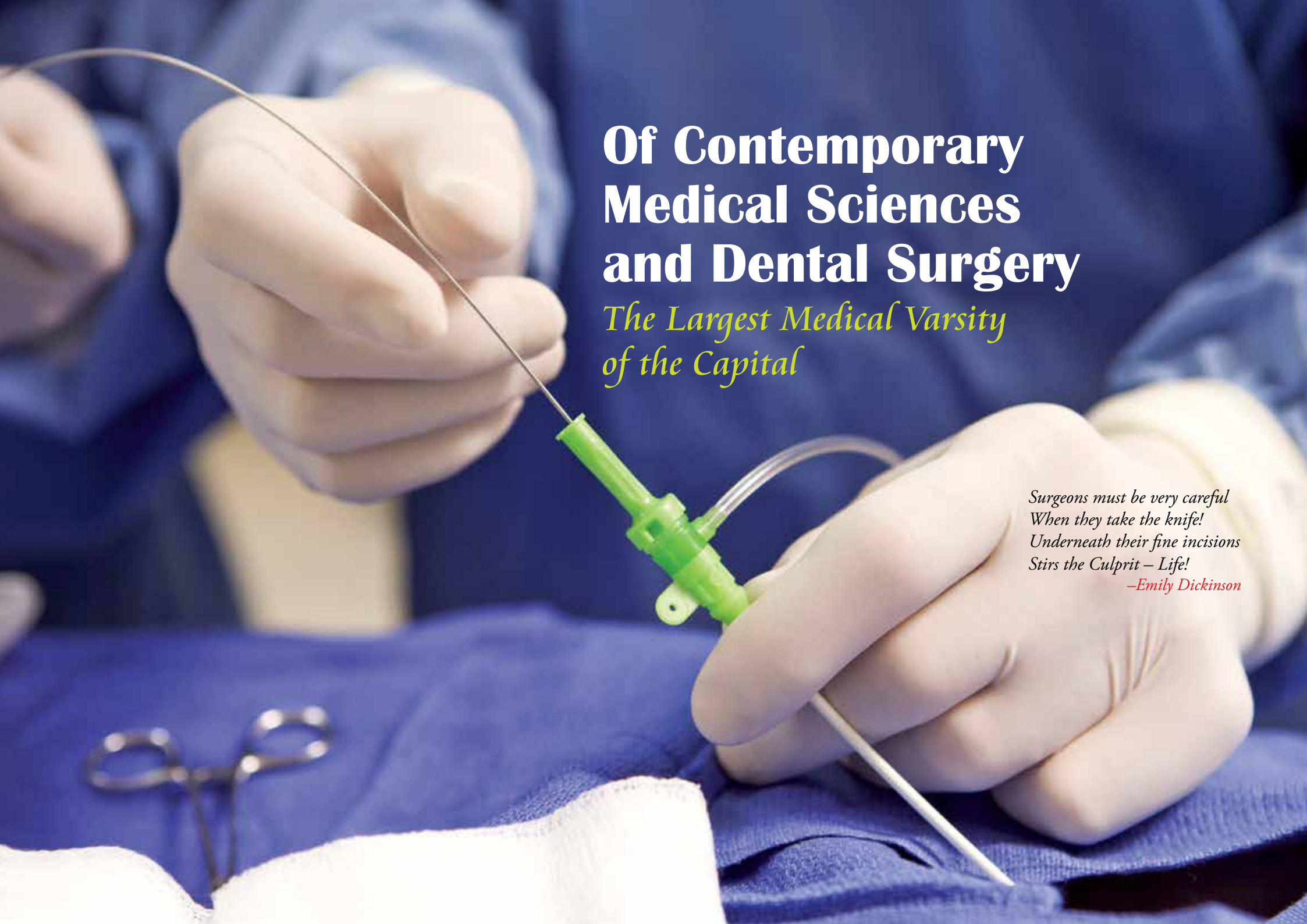
Medical Sciences and Dr. Ram Manohar Lohia Hospital; Adjunct professor, Loyola University, Chicago; Fellow, Indian Association of Clinical Medicine; and Fellow, Indian College of Physicians.



Prof. (Dr.) Yatish Agarwal
Chair of the Board of Studies; Chief of Radiology at Vardhman Mahavir Medical College & Safdarjung Hospital; author, poet,

thinker, author, editor, academic, researcher, mentor and health science communicator; fifty books, hundreds of articles, and health columns in national dailies and periodicals; WHO Fellow, Institute for Population and Social Research, Mahidol University, Thailand (2005); Fellow, Foundation for Detection of Early Gastric Carcinoma, Tokyo, Japan (1998); Recipient of a number of national awards, including President's Atmaram Award, National Science and Technology Award, Meghnad Saha Award, Prime Minister's Shiksha Award, Littérateur Award (Hindi Akademi), Ministry of Home Affairs' Indira Gandhi National Award and Rajiv Gandhi National Award, Centenary Award, Vigyan Parishad, Allahabad and Vigyan Bhushan.





Of Contemporary Medical Sciences and Dental Surgery

*The Largest Medical Varsity
of the Capital*

*Surgeons must be very careful
When they take the knife!
Underneath their fine incisions
Stirs the Culprit – Life!*

–Emily Dickinson

Of all the professional courses, a career in medical science and dental surgery is easily amongst the most sought-after. Requiring deep commitment, eons of hard work, quick thinking, and a pious spirit, a youngster wishing to step into this difficult realm must ready themselves for a long, hard grind punctuated by a need to repeatedly prove themselves. It is not until you're in mid-30s that the first round of learning and training is complete, and you step into a professional career. The School offers over 600 seats at the undergrad level in six medical and dental institutions each year (Table 1).

Table 1: Undergrad Programmes in Medical Sciences and Dental Surgery

Academic Programme	Institution(s) offering the programme	Annual Intake
Bachelor of Dental Surgery (BDS)	ESIC Dental College, Rohini	50
Bachelor of Medicine and Bachelor of Surgery (MBBS)	Vardhman Mahavir Medical College and Safdarjung Hospital	170
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	100
	Army College of Medical Sciences	100
	North DMC Medical College and Hindu Rao Hospital	60
	Dr. Baba Saheb Ambedkar Medical College	125

Medical education is much like a pyramid. As you go higher it becomes steeper and narrower, and the competition grows more intense. It is the first among the equals, who enter into the postgrad programmes, which many major universities of the world, like the Cambridge University, consider equivalent to Ph.D. The School presently has three medical institutions which offer between them postgrad programmes in twenty-three disciplines (Table 2).

Table 2: Postgrad Programmes in Medical Sciences

Academic Programme	Institution(s) offering the programme	Annual Intake
Diploma in Ophthalmology	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	1
MD Physiology	Vardhman Mahavir Medical College and Safdarjung Hospital	7
MD Biochemistry	Vardhman Mahavir Medical College and Safdarjung Hospital	4
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	4
MD Pharmacology	Vardhman Mahavir Medical College and Safdarjung Hospital	4
MD Pathology	Vardhman Mahavir Medical College and Safdarjung Hospital	10
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	9

Academic Programme	Institution(s) offering the programme	Annual Intake
MD Microbiology	Vardhman Mahavir Medical College and Safdarjung Hospital	5
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	5
MD Forensic Medicine	Vardhman Mahavir Medical College and Safdarjung Hospital	4
MD Community Medicine	Vardhman Mahavir Medical College and Safdarjung Hospital	9
MD General Medicine	Vardhman Mahavir Medical College and Safdarjung Hospital	24
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	24
	ESIC Postgraduate Institute of Medical Sciences and Research	4
MD Paediatrics	Vardhman Mahavir Medical College and Safdarjung Hospital	16
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	18
	ESIC Postgraduate Institute of Medical Sciences and Research	4
MD Radiodiagnosis	Vardhman Mahavir Medical College and Safdarjung Hospital	20
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	15
MD Psychiatry	Vardhman Mahavir Medical College and Safdarjung Hospital	5

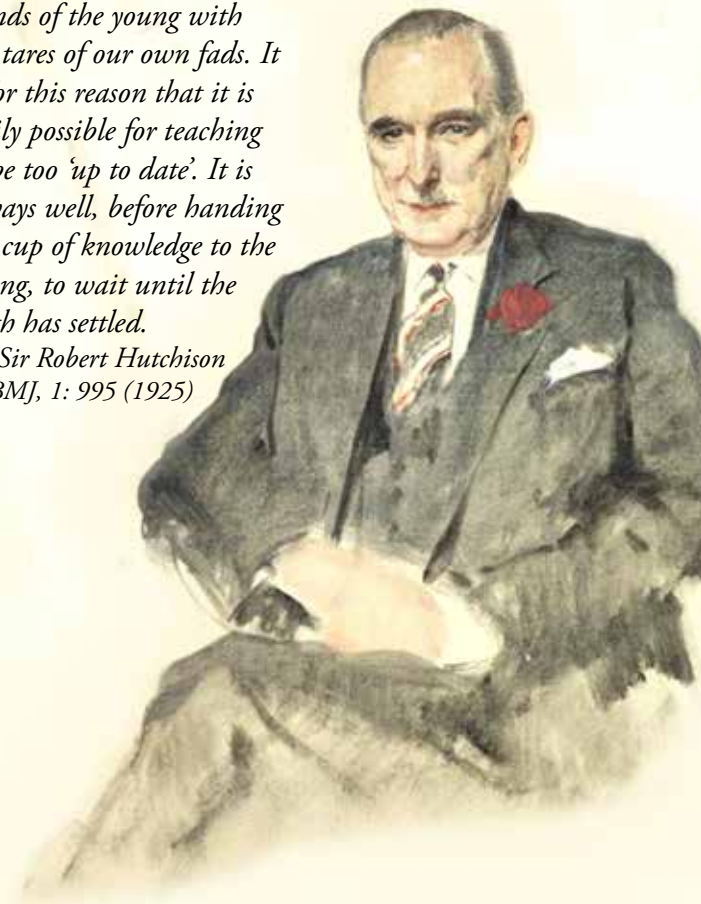


Academic Programme	Institution(s) offering the programme	Annual Intake
MD Psychiatry	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	7
MD Dermatology	Vardhman Mahavir Medical College and Safdarjung Hospital	5
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	5
	ESIC Postgraduate Institute of Medical Sciences and Research	3
MD Anaesthesiology	Vardhman Mahavir Medical College and Safdarjung Hospital	65
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	22
	ESIC Postgraduate Institute of Medical Sciences and Research	6
MD Physical Medicine and Rehabilitation	Vardhman Mahavir Medical College and Safdarjung Hospital	5
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	3
MD Radiotherapy	Vardhman Mahavir Medical College and Safdarjung Hospital	4
MD Sports Medicine	Vardhman Mahavir Medical College and Safdarjung Hospital	5
MS Anatomy	Vardhman Mahavir Medical College and Safdarjung Hospital	8
MS General Surgery	Vardhman Mahavir Medical College and Safdarjung Hospital	21

Academic Programme	Institution(s) offering the programme	Annual Intake
MS General Surgery	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	16
	ESIC Postgraduate Institute of Medical Sciences and Research	8
MS Orthopaedics	Vardhman Mahavir Medical College and Safdarjung Hospital	15
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	6
	ESIC Postgraduate Institute of Medical Sciences and Research	8
MS Obstetrics and Gynaecology	Vardhman Mahavir Medical College and Safdarjung Hospital	31
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	10
	ESIC Postgraduate Institute of Medical Sciences and Research	8
MS Ophthalmology	Vardhman Mahavir Medical College and Safdarjung Hospital	7
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	4
	ESIC Postgraduate Institute of Medical Sciences and Research	3
MS Otorhino laryngology (ENT)	Vardhman Mahavir Medical College and Safdarjung Hospital	16
	Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital	5

Those of us who have the duty of training the rising generation of doctors...must not inseminate the virgin minds of the young with the tares of our own fads. It is for this reason that it is easily possible for teaching to be too 'up to date'. It is always well, before handing the cup of knowledge to the young, to wait until the froth has settled.

*—Sir Robert Hutchison
BMJ, 1: 995 (1925)*



For some, the quest is still not complete. They work hard and compete for a handful of seats in post-doctoral courses to set themselves into a career in a super specialty. Three medical institutions of the School presently offer postdoctoral programmes in eleven different streams (Table 3).

Table 3: Postdoctoral Programmes in Medical Sciences

Academic Programme	Institution(s) offering the programme	Annual Intake
DM Cardiology	Vardhman Mahavir Medical College & Safdarjung Hospital	2
	Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital	4
DM Neurology	Vardhman Mahavir Medical College & Safdarjung Hospital	2
	Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital	4
DM Nephrology	Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital	4
DM Neonatology	Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital	4
DM Pulmonary and Critical Care Medicine	Vardhman Mahavir Medical College & Safdarjung Hospital	4
	ESIC Postgraduate Institute of Medical Sciences and Research	2

Academic Programme	Institution(s) offering the programme	Annual Intake
DM Cardiac Anaesthesia	Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital	2
MCh Plastic & Reconstructive Surgery	Vardhman Mahavir Medical College & Safdarjung Hospital	10
	Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital	4
MCh Cardio thoracic Surgery	Vardhman Mahavir Medical College & Safdarjung Hospital	2
	Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital	4
MCh Neuro Surgery	Vardhman Mahavir Medical College & Safdarjung Hospital	3
	Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital	5
MCh Paediatrics Surgery	Vardhman Mahavir Medical College & Safdarjung Hospital	4
	Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital	4
MCh Urology	Vardhman Mahavir Medical College & Safdarjung Hospital	4
	Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital	4



Bodies and Regulations which govern Dental and Medical Sciences

- Dental Council of India Regulations
- Medical Council of India Undergraduate and Postgraduate Regulations
- Medical Council of India Minimum Teaching Eligibility Qualifications
- Guru Gobind Singh Indraprastha University Acts, Statutes and Ordinances
- Ministry of Health & Family Welfare, Govt. of India advisories
- Rulings of Hon'ble Courts

Current Research Projects

Culminating in 2020

Vardhman Mahavir Medical College and Safdarjung Hospital

- Krishna, Kohli Mangala, Mittal MK. Clinical Significance and Variations of Hepatic Vascular Anatomy in Patients undergoing Multiphasic Computed Tomography for Evaluation of Focal Hepatic Lesions.
- Mohan Ram K, Chauhan Puja, Tuli Isha Preet. In Vivo Study on Pharyngeal Inlet Morphometry and its Variation in Patients Undergoing Nasopharyngoscopy.
- Sharma Geeta, Jana Rashmoni, Kataria Himanshu. Histomorphological Study of Knee Articular Cartilage in Osteoarthritis patients undergoing Total



Knee Replacement with reference to Body Mass Index.

- Omkar Kalidasrao Choudhari, Rani Anita, Kampani Geeta. To Study Matrix Metalloproteinases Gene Polymorphism and its Methylation in Stroke Patients.
- Kumar Rohit, Kaur Charanjeet, Isser HS. A Study of Paraoxonase-I Gene Polymorphism and Serum Paraoxonase-I Level in Coronary Artery Disease.
- Kumar Dilip, Kapoor Raj. Comparison of Blood Pressure Measurements by Digital and Aneroid Sphygmomanometers.
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Ancient Indian Surgeon Susruta is seen constructing a new earlobe for a mutilated patient. Susruta lived in Kashi and devised a number of novel surgical techniques. His treatise *Susruta Samahita* (around 600 BC) is a much celebrated work. This 1957 painting is by Robert Thom.

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Kindliness, concern, and love of the art of healing, all reflected by Hippocrates as he examines a young patient, are virtues that earned the great Greek physician (460–361 B.C.) the immortal title of 'Father of Medicine'. This 1958 painting is a work of artist Robert Thom.

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*I seem to have been only like a
boy playing on the seashore, and
diverting myself in now and
then finding a smoother pebble
or a prettier shell than ordinary,
whilst the great ocean of truth lay
all undiscovered before me.*

–Sir Isaac Newton

and Endotracheal Intubation in Adult Patients Undergoing General Anaesthesia.

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This famous painting depicts Hippocrates refusing the gifts of the Persian king Artaxerxes. It was created in 1792 by Anne-Louis Girodet de Roussy-Trioson and can be viewed in the Museum of the History of Medicine, Paris.

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Work of Gerard Thomas and Balthasar van den Bossche, 1700 c., depicting a physician holding up a flask of urine. Examination of urine was the commonest method of diagnosis in that era. Wellcome Collection, London.

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What is there that confers the noblest delight? What is that which swells a man's breast with pride above that which any other experience can bring to him? Discovery! To know that you are walking where none others have walked; that you are beholding what human eye has not seen before; that you are breathing a virgin atmosphere. To give birth to an idea, to discover a great thought—an intellectual nugget, right under the dust of a field that many a brain-plough had gone over before. To find a new planet, to invent a new hinge, to find a way to make the lightnings carry your messages. To be the first—that is the idea.

—Mark Twain, *The Innocents Abroad*

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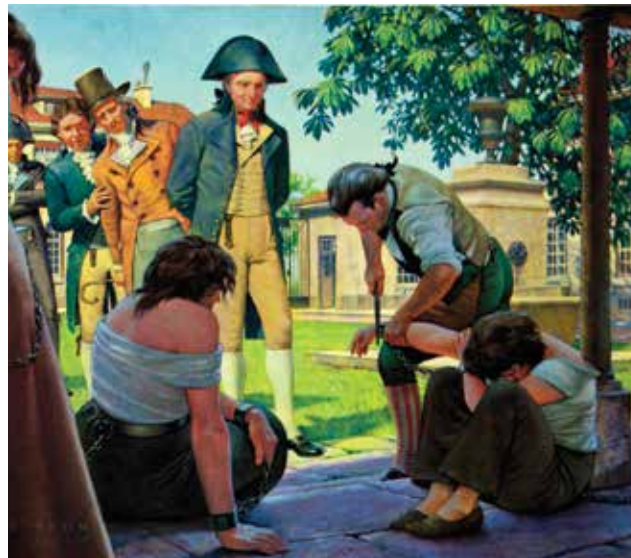


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French physician Philippe Pinel in 1795 ordered fetters removed from insane women in Paris' Salpêtrière. His success in humane treatment of mental patients opened new perspectives for psychiatric research and practice. Robert Thom, 1960.

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The Gross Clinic, painted by Thomas Eakins in 1875, depicts Doctor Samuel D. Gross, the emperor of American surgery, in his element at centre stage directing his assistants who perform an operation on a patient's thigh. Philadelphia Museum of Art.

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- Tripathi Anant Prakash, Sharma Mukesh Kumar. Normal Conjunctival Flora and their Antimicrobial Susceptibility in Patients Undergoing Cataract Surgery Score.
- Kumar Anuj, Gowekar Kishor, Malhotra Shalini. Microbiological Profile in Clinically Suspected Bacterial or Fungal Keratitis Score.
- Kumari Sudha, Malik Praveen K. Comparative Study of Effect of Balanced Phacotip Vs Kelman Miniflared Phacotip on Corneal Endothelial Polymegathism In IOP Based Torsional Phacoemulsification Score.
- Singh Devender, Kumar Satish. Functional and Radiological outcome of Proximal Fibular Osteotomy in Medial Compartment Knee Osteoarthritis Score.
- Rahman Obaid UR, Shukla Ajay. Association between Increased Sagittal Plane Pelvic Motion and Functional Positioning of Acetabular Cup in Total Hip Arthroplasty Score.
- Rakesh, Shukla Ajay. Clinicoradiological Outcomes of Postoperative Slight Residual Varus in Total Knee Replacement for Moderate to Severe Varus Deformity Score.



- Nipuni CH, Naik AK. Functional Outcome of Hamstring Tibial Attachment Sparing Modified Double Bundle Arthroscopic Anterior Cruciate Ligament Reconstruction Score.
- Verma Ashwani, Khare Rahul. Proprioceptive Function of Knee after Preservation of Posterior Part of Stump in Arthroscopic Anterior Cruciate Ligament Reconstruction Score.
- Kumar Sumit, Jain Vijay Kumar. Comparison of Clinicoradiological Difference in outcomes between Cemented and Uncemented Bipolar Hemiarthroplasty for Femoral Neck Fracture in Elderly Score.
- Dhankhar Bharti, Dewan Vivek. Prothrombin Time and Activated Partial Thromboplastin Time in Children with Newly Diagnosed Coeliac Disease Score.
- Yadav Sneha, Nandan Devki, Sharma Neera. Levels of Surfactant Protein D in Bronchoalveolar Lavage in Paediatric Severe Asthma Score.
- Meena Alpana, Bahl Dheeraj, Goyal Parul. Urinary hepcidin levels in children with iron deficiency anaemia Score.
- Manoj Kumar, Bahl Dheeraj, Marwah Sadhna. Comparison of Platelet Indices in Steroid Responsive and Nonresponsive Nephrotic Syndrome in Paediatric Age Group Score.
- Manna Rituparna, Sachan Deepak. Epileptiform Electroencephalographic Changes in Autism Spectrum Disorder without Epilepsy Score.
- Dayal Akshaya, Sachan Deepak. Health Related Quality of Life in Children with Migraine Score.

- Kumar Nitish, Hemal Alok. Response to 1st and 2nd Cycle of Immunosuppressive Therapy (Antithymocyte Globulin and Cyclosporine) in Children with Aplastic Anaemia Score.
- Priyadarshi Rahul, Nandan Devki, Sharma Neera. Mahajan Rakesh Kumar. Diagnosis of tubercular meningitis by APTAMER based heat shock protein X antigen detection in children Score.
- Athira K, Yadav TP, Sachdev Namrita. Changes in Bone Mineral Density with use of Systemic Steroids of Duration two to six weeks in Paediatric Age Group Score.



The doctor's surprise. Oil on canvas. Artist Jehan Georges Vibert (1840-1902). Wellcome Collection, London.

- J Sudarshan, Nandan Devki, Sharma Neera. Nandini Duggal Microbiology, Rapid Diagnosis of Suspected Pulmonary Tuberculosis in Children by APTAMER Linked Immobilized Sorbent Assay against HSPX Antigen Score.
- Sangwan Aditya Kumar, Hemal Alok, Kaur Nirmaljit. The Relationship between Drug Adherence to Antiretroviral Therapy and Viral Load in Children Living with HIV Score.
- Abhinandan HS, Dewan Vivek, Goyal Parul. Comparison of Serum Levels of Ghrelin and Adiponectin in Newly Diagnosed Celiac Disease Children with Celiac Disease Children on Gluten Free Diet Score.
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- Abhinav Kumar, Yadav TP. Profile of Deformities in Juvenile Idiopathic Arthritis Score.
- Saha Arnav K, Debnath Pinaki Ranjan. Comparative Study of Single Dose Preoperative Antibiotic Vs. 5days Antibiotic Course in Preventing Surgical Site Infection for Paediatric Inguinal Herniotomy.
- Tomar Vibha, Beniwal RP. A Randomized Sham Controlled Trial Assessing Effectiveness of High Frequency Repetitive Transcranial Magnetic Stimulation in Persons with Panic Disorder and Comorbid Depression.
- Kumar Rohit, Deshpande Smita. A Randomized Controlled Trial to Evaluate the Effectiveness of Repetitive Transcranial Magnetic Stimulation in Patients with Idiopathic Chronic Tinnitus.
- Batra Surbhi, Chandra Mina. Treatment Response

and Executive Functioning in Patients of Obsessive-compulsive Disorder with and without Sensory Phenomena.

- Gupta Trisha, Deshpande Smita. Development of a brief Psychoeducational Intervention Module for the Caregivers of Children with Specific Learning Disabilities.
- Vishnoi Surabhi, Kumar Arvind. Assessment of Risks in Patients with Bipolar Affective Disorder.
- Sabah C P, Sharma Gautam. A Randomized sham-controlled trial to Evaluate the Effectiveness of Transcranial Direct Current Stimulation in Reducing Craving in Persons with Alcohol Dependence Syndrome.
- Singh Resham, Mehra Shibani. Role of Diffusion MR and Diffusion Tensor Imaging in Evaluation of Brain Tumours.
- Kumar Rohit, Garga UC. Role of Multidetector CT in Evaluation of Abdominal Tuberculosis.
- Pritam, Taneja Anil. Cardiac Computed Tomography Angiography Evaluation of Paediatric Congenital Heart Disease.
- Dolma Rangjung, Garga UC. Evaluation of Pulmonary Nodules by Multidetector Computed Tomography.
- Ghosh Tamaghna, Prasad Akhilandeswari. Role of High-Resolution Computed Tomography in Small Airway Disease.
- Majhi Anirban, Vohra Poonam. Role of MDCT in Evaluation of Paranasal Sinus Pathology.
- Kumari Puja, Taneja Anil. Magnetic Resonance Imaging in Evaluation of Paediatric Knee Disorders.



The work, titled, 'A Research' was painted by Joaquin Sorolla in 1897. The painting focuses on the disciplines of art, science and technology. Sorolla Museum, New York.

- Sahani Debabrata, Prasad Akhilandeswari. High Resolution Computed Tomography Scoring System for Evaluating Interstitial Lung Disease in Systemic Sclerosis Patients.
- Kanwar Ankita, Mehra Shibani. Diagnostic Role of Computed Tomography Angiography in Assessment of Coronary Artery Disease.
- Kumar Sunil, Mehra Shibani. Evaluation of Diseases of Aorta by CT Angiography and non-contrast MR Angiography.
- Wezah Wezode, Jilowa Sarita. HRCT Score to Assess Severity of Emphysema in Chronic Obstructive Pulmonary Disease.
- Mehta Dipshi, Sachdev Namrita. Role of Dual Energy Computed Tomography Imaging in Gout.

- Gupta Kushal, Garga UC. Role of MD Computed Tomography in Evaluation of Pancreatic Lesions.
- Agrawal Ira, Bano Shahina. Quantitative Estimation of Permeability Surface Area Product using Perfusion CT in Grading of Brain Gliomas.
- Tanwar Simran, Taneja Anil. Multidetector Computed Tomography in Evaluation of Pulmonary Embolism.
- Modi Vartika, Rushi. Effectiveness of Acceptance and Commitment Therapy in Contamination and Washing Subtype of Obsessive-Compulsive Disorder.
- Bhardwaj Nandini, Sharma Purna. Insight and Self-Efficacy in Obsessive Compulsive Disorder: An Exploratory Study.
- Gaur Shradha, Chakraborty Urmi. Effects of TDCS on Memory and Executive Functioning in Persons with Depression – A Randomized Control Trial.
- Singh Nishtha, Satyam. Effect of Indian Classical Music in Children with Attention Deficit Hyperactivity Disorder (ADHD).
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- Ravinder Upasana, Rushi. A Randomized Controlled Trial Evaluating the Effectiveness of Meaning Centred Therapy and Mindfulness as an Adjuvant Treatment in Depression.
- Amin Sharika, Rushi. Comparison of Social Cognition in Children with Specific Learning Disability and Controls.
- Dahuja Shrishti, Singh Upendra. Assessment of the



Difference in Psychosocial Functioning, Quality of Time in Social Support System among Male and Female Patients with Schizophrenia.

ESIC Postgraduate Institute of Medical Sciences and Research

- Khan Rafia, Thakur Anil Kumar. Comparative Evaluation of Ease of Orotracheal Intubation using Non-Handle Mounted Video Laryngoscope versus Handle Mounted Video Laryngoscope in Patients Undergoing Elective Surgeries – A Prospective Randomized Study.
- Khan Mohd. Anas, Gupta Madhu. Combined Spinal Epidural Anaesthesia via Paramedian Approach in Patients for Lower Limb Orthopaedic Surgery: A Prospective Randomised Comparative Study of Ultrasound Assisted Versus Conventional Surface Landmark Technique.
- Alam Sharath Kumar, Thakur Anil Kumar. Comparative Evaluation of Ease of Orotracheal Intubation using McGrath® MAC Video Laryngoscope versus Macintosh Laryngoscope in Patients Undergoing Elective Surgeries – A Prospective Randomized Study.
- Kasaudhan Sonia, Gupta Madhu. Comparison of Different Doses of Perineural Dexmedetomidine as Adjuvant to Ropivacaine for Supraclavicular Brachial Plexus Block in Patients undergoing Upper Limb Surgery.
- Singh Indra Bahadur, Thakur Anil Kumar, Gupta Taru. Assessment of the Accuracy of Intervertebral Space Identification at the level of Tuffier's Line for Subarachnoid Block in Elective Caesarean Section — Surface Landmark Versus Ultrasound Guided Technique.
- Meena Ashok Kumar, D'Souza Paschal. Clinico-Epidemiological Study of Dermatoses among Paediatric Population.
- Priya, Chowdhry Sundeep, Arora Sarika. A Clinico-Epidemiological Study of Acrochordons and their Correlation with Metabolic Syndrome.
- Study of Clinico-Epidemiological and Psycho-social Aspects of Facial Dermatoses.
- Srivastava Prashant, Dubey AP, Arora Sarika. Clinico-Etiological Study of Growth Delay in Thalassaemic Children.
- Khan Iqra, Bagla Jyoti, Arora Sarika. A Study of Serum Adiponectin, Serum Leptin and Lipid Profile in Children with Nephrotic Syndrome.
- Singla Aarushi, Bagla Jyoti. Correlation of Sleep Disordered Breathing with Persistent Asthma in Children.
- Sanjeev Kumar, Mishra Ruchi. Study of the Prevalence of Hypothyroidism in Infants of Hypothyroid Mothers Delivering at a Tertiary Care Hospital.
- Meena Ravi Kumar, Dey Subhajeet. Study of Surgical Site Infection in Patients Undergoing Abdominal Surgery with Reference to National Nosocomial Infection Surveillance Risk Index for Surgical Site Infection.
- Dua Manisha, Lal Shyam. Comparative Study of Desarda's Tension Free Technique with Lichtenstein's Method for Uncomplicated Inguinal Hernia Repair.
- Kumar Lalit, Karim Tanweer. Comparative Study of Lichtenstein Hernia Repair with Laparoscopic Total Extraperitoneal (TEP) Hernioplasty in Cases with Uncomplicated Unilateral Inguinal Hernia.
- Mishra Raghav, Karim Tanweer. A Study of Lactate Levels in Plasma and Peritoneal Fluid and Intra-Abdominal Pressure in Patients of Severe Acute Pancreatitis, Peritonitis and Acute Intestinal Obstruction.
- Apurvanain, Gupta Nupur, Arora Sarika. Study the Levels of betas-HCG, Urea and Creatinine in the Vaginal Fluid for Diagnosis of Pre-Labour Rupture of Membranes.
- Singal Khusbhu, Gupta Taru. A Comparison between Intravenous Ferric Carboxymaltose and Intravenous Iron Sucrose for Treatment of Anaemia in Pregnancy: A Randomized Control Study.
- Battarai Shreya, Gupta Sangeeta. Maternal and fetal outcomes in early and late intrahepatic cholestasis of pregnancy.
- Purohit Neelam Raj, Wadhwa Leena. Effect of Intrauterine Instillation of Granulocyte Colony Stimulating Factor on Thin Endometrium in Infertile Women.
- Jaiswal Shivansh, Wadhwa Leena. Comparative Study of newer test 'CB-NAAT' with Culture in Diagnosis of Genital Tuberculosis in Infertile Women.
- Surendran Nila, Gupta Pratiksha. Comparative Study of Intraoperative Blood Loss and Postoperative outcomes in Submucosal Infiltration of Diluted Vasopressin vs Normal Saline during Vaginal Hysterectomy.

A doctor, like anyone else who has to deal with human beings, each of them unique, cannot be a scientist; he is either, like the surgeon, a craftsman, or, like the physician and the psychologist, an artist. This means that in order to be a good doctor a man must also have a good character, that is to say, whatever weaknesses and foibles he may have, he must love his fellow human beings in the concrete and desire their good before his own.

—W. H. Auden, *A Certain World*

- Baruhee Divya, Gupta Taru. Comparative Study of the Feasibility of Complete Salpingectomy with Partial Salpingectomy as a Method of Tubal Sterilisation at the Time of Caesarean Delivery.
- Jha Mukesh Kumar, Gupta Pratiksha. Comparison of Efficacy of Pap smear and Colposcopy to Histopathology in Diagnosing Premalignant and Malignant Lesions of Cervix in Women with Unhealthy Cervix.
- Singh Vijay, Kumar Sandeep. Changes in Corneal Endothelium and Central Corneal Thickness in Type 2 Diabetes Mellitus and its Correlation with Duration of Diabetes Mellitus, Glycaemic Control and Diabetic Retinopathy.
- Meena Lokesh Kumar, Avatar Ram. Comparison of the Early Functional Outcome between Lateral and Posterior Approaches in Total Hip Arthroplasty.
- Bisht Amit, Pawar Inder. Analysis of Functional Outcome of Kyphoplasty in Osteoporotic Vertebral Wedge Compression Fractures.
- Kaushal Rajan Kumar, Lakhwani OP. Evaluation of Use of Limb Reconstruction External Fixator as Definitive Management Option in Management of Grade II and Grade III Compound Long Bone Fractures.
- Singh Jaiveer, Pawar Inder. Analysis of Acetabular Cup Positioning and Functioning Outcomes in Total Hip Replacement.
- Suri Dhruv, Lakhwani OP. Study of Bone Allograft in Correction of Juxta Articular Angular Deformities by Open Wedge Osteotomies.
- Parmar Rakesh, Lalchandani Rajesh. To Evaluate the

Accuracy of Intraoperative Wedge Size Calculation by Trigonometric Method in Medial Closing Wedge Osteotomy in Patients of Genu Valgum.

- Yadav Manish Kumar, Lakhwani OP. Comparative Study of Core Decompression with Autologous Iliac Crest Bone Graft vs Core Decompression with Bone Marrow Infiltration in Osteonecrosis of Femoral Head.
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Culminating in 2021

Vardhman Mahavir Medical College and Safdarjung Hospital

- Ayyagari Adhip, Jain Shruti. Comparative Evaluation of Pre-Operative Nebulization with 0.25% Ropivacaine and 2% Lignocaine for Post-Operative Sore Throat Following Endotracheal Intubation Under General Anaesthesia.
- Khan Amir, Dayal Madhu. Comparison of Intravenous Infusion of Dexmedetomidine and Propofol in Children Undergoing Infraumbilical Surgery under General Anaesthesia on the Effect of Emergence Delirium.
- Sharma Ananya, Saini Suman, Mankotia Dipankar Singh, Boruah Tankeswar. Comparative Evaluation of the Efficacy of Ultrasound Guided Thoracolumbar Interscalar Plane Block in Adult Patients Undergoing Lumbar Spinal Surgeries.
- TV Anjusha, Bamba Charu. Comparison of Weight



- with Nasal-Tragus Length as Guide to Endotracheal Tube Insertion Depth in Neonates.
- Garg Ankush, Jain Shruti. Comparative Evaluation of Preoperative Nebulization with two Doses of Budesonide for Postoperative Sore Throat Following Endotracheal Intubation under General Anaesthesia.
- CG Aravindan, Sabharwal Nikki. Correlation of Perfusion Index with Mean Arterial Pressure as An Indicator of Peripheral Tissue Perfusion in Adult Trauma Patients.
- Singh Arjun, Agrawal Nidhi. Comparison of Efficacy of Erector Spine Plane Block with Paravertebral Block for Postoperative Analgesia in Patients Undergoing Breast Cancer Surgery.
- Rajaram Arotkar Kapil, Singh Rajpal, Acharya Samir Kant. Comparison of Ultrasound Guided Ilioinguinal Nerve Block with Transversus Abdominis Plane Block for Post-Operative Analgesia in Paediatric Elective Unilateral Inguinal Surgeries.
- Saili Arushi, Prakash Smita. Evaluation of Videolaryngoscopy-Guided Tracheal Intubation Characteristics in Neutral, Sniffing and Simple Extension Head Position in Adult Patients.
- Kumar Ashvini, Bhatia PS. Comparative Evaluation of Ropivacaine with Ropivacaine-Clonidine for Postoperative Analgesia in Paediatric Patients using Caudal Epidural Blocks for Lower Abdominal Surgeries.
- Badola Avinash, Gupta Kapil. Comparison of Two-Point Ultrasonography with Auscultation Method for Diagnostic Accuracy of Gastric Tube Placement in Critically Ill Patients.

- Namdar Basavakiran, Gupta Pramod. Comparison of Direct Laryngoscopy with Videolaryngoscopy for Recording Intubation time in Adults Requiring Ramp Position under General Anaesthesia.
- Basavaraj, Sahni Ameeta. Comparative Clinical Evaluation of Two Supraglottic Airway Devices in Adults Undergoing Surgery under General Anaesthesia.
- Kumar B Bharani, Wason Rama. Comparative Evaluation of Intravenous Ibuprofen with Intravenous Paracetamol for Postoperative Analgesia in Adult Patients Undergoing Abdominal Stoma Closure Surgeries under Subarachnoid Block.



The Physician's Visit is a 1660-1662 oil painting of Dutch artist Jan Steen, displayed in the Apsley House collection in London.

- Kataria Deepti, Saini Suman. Effect of Intravenous Dexmedetomidine on Emergence Agitation after Sevoflurane Anaesthesia in Paediatric Patients Undergoing Unilateral Upper Extremities Surgeries.
- Lohitha Dwara, Gogia Anoop Raj. A Comparative Evaluation of Three Doses of Dexmedetomidine as an Adjuvant to Bupivacaine on Differential Analgesia in Adult Patients undergoing Elective Infraumbilical Surgeries under Subarachnoid Block.
- D Gokila, Gupta Kapil. Comparison of Intravenous Dexamethasone with Perineural Dexamethasone Added as Adjuvant to 0.5% Ropivacaine for Ultrasound Guided Erector Spinae Block in Adult Females Undergoing Modified Radical Mastectomy.
- R Gowtham, Gogia Anoop R. Comparative Evaluation of two Different Intranasal Doses of Dexmedetomidine in Children for Sedation during Radiological Procedures.
- Kanya Hage, Sahni Ameeta. Comparative Evaluation of Two Different Endotracheal Tubes for Ease of Orotracheal Intubation in Adults Using Flexible Bronchoscope.
- Hemlata, Usha G, Shankar KB. Impact of Early Hypotension and Hypoxia on Mortality in Adult Patients with Isolated Head Injury.
- Sharma Ira, Kale Suniti. Evaluation of Effects of Pre-Operative Anxiety on Peri-Operative Hemodynamic Parameters in Adult Patients Undergoing Elective Laparoscopic Cholecystectomy.
- A Joy Jasmine, Singh Rajpal, Gupta Anubhav, Rani Anita. Evaluation of the Effects of Dexmedetomidine Infusion on Inflammatory

Markers and Stress Hormone Levels on Adult Patients for Valve Replacement Surgery on Cardiopulmonary Bypass.

- S Jayaram, Sabharwal Nikki. Correlation of Point of Care with Conventional Laboratory Testing for Coagulation Profile in Adult Trauma Patients.
- Pandey Km Sweety, Saini Suman. Comparative Evaluation of Effect of Intravenous Dexmedetomidine on Duration of Postoperative Analgesia after Shoulder Block in Patients Undergoing Shoulder Arthroscopy.
- Chandrawanshi Lalit Kumar, Bajaj JK. Comparison of Dexmedetomidine with Morphine as an Adjuvant to Caudal Bupivacaine in Paediatric Infra-Umbilical Surgery.
- Mamta, Dayal Madhu. Comparison of Restrictive Fluid with Liberal Fluid Administration on Postoperative Complications for Patients Undergoing Laparoscopic Urological Surgeries.
- Gupta Manya, Mullick Parul. To Compare the Effect of Preoperative Ketamine Nebulization with Dexamethasone Nebulization on Postoperative Sore Throat in Patients Undergoing General Anaesthesia Requiring Endotracheal Intubation.
- Megha PV, Usha G. Comparison of a New Video Laryngoscope with Conventional Macintosh Laryngoscope for Characteristics of Endotracheal Intubation in Children Undergoing Elective Surgery.
- KV Meghana, Gupta Amita, Zaheer Suffian. Comparison of Self-Selected Music and Prefixed Music on Reduction of Perioperative Anxiety in Adult Patients Undergoing Laparoscopic Surgeries



The Last Message, British painter William Hatherell's work. A red cross nurse seated at the bedside of a dying soldier. The soldier lies with his head propped up on pillows and the nurse holds a pen and pad in her hand to write a letter for the soldier to send to his family.

- under General Anaesthesia.
- Gayaz M Mohammed, Talwar Vandana. Comparative Evaluation of Dexmedetomidine and Ketamine on Haemodynamic Changes and Analgesic Requirement in Patients Undergoing Dorsolumbar Spine Surgery.
- Gautam Naresh Kumara, Jain Shruti. Comparative Evaluation of Pre-Operative Nebulisation with Two Doses of Fluticasone for Post-Operative Sore Throat in Patients Undergoing General Anaesthesia with Endotracheal Intubation.
- Neha, Talwar Vandana. Comparative Evaluation of the Influence of Head and Neck Position on the

Performance of Three Supraglottic Airway Devices.

- Dwivedi Neha, Nayar Pavan. Comparison of Sensory and Motor Block Characteristics with Hyperbaric Bupivacaine in Spinal Anaesthesia with and without Intravenous Dexmedetomidine in Adult Patients Undergoing Infraumbilical Surgery.
- Ravikumar Nisha, Bhatia PS. Comparison of Ultrasound Guided Fascia Iliaca Block with Conventional 3 in 1 Block Providing Post-Operative Analgesia in Paediatric Patients Undergoing Hip and Thigh Surgeries Under General Anaesthesia.
- Burukulle Nivedita, Bajaj JK. Comparison of Norepinephrine Bolus with Prophylactic Infusion for the Management of Maternal Hypotension during Caesarean Section Under Spinal Anaesthesia.
- Paruthi Pallavi, Gupta Amita. Comparison of Incidence of Post-Operative Sore Throat in Adult Patients with Difficult Airway Undergoing General Anaesthesia with or without Intubating Laryngeal Mask Airway Left in Situ Over Endotracheal Tube.
- Pankaj Arora, Pavan Nayar. Comparison of Intranasal Dexmedetomidine and Midazolam for Sedation and Ease of Separation from Parents in Children Undergoing Cardiac Procedures.
- Pooja, Bajaj JK. Comparison of Dexmedetomidine with Midazolam as a Co-Induction Agent with Propofol for Insertion Characteristics of Proseal Laryngeal Mask Airway in Children.
- Chauhan Poonam, Gupta Pramod, Acharya Samir Kant. Comparison of Ultrasound Guided Transversus Abdominis Plane Block and Surgical Site Infiltration using 0.2% Ropivacaine for



- Postoperative Analgesia in Children Undergoing Infraumbilical Surgery.
- Singh Rahul, Bhatia PS. Comparative Evaluation of Newer Single use with Reusable Supraglottic Airway Device of Oropharyngeal Leak Pressure in Patients Undergoing Gynaecological Laparoscopic Surgeries.
 - Rajeev Rajesh, Prakash Smita, Suri Jyotsna. Comparative Evaluation of Wound Infiltration with Bupivacaine and Dexamethasone with Bupivacaine Infiltration and Intravenous Dexamethasone for Postoperative Analgesia in Patients Undergoing Caesarean Delivery under Spinal Anaesthesia.
 - Rajeswari L, Parul Mullick. A Comparative Evaluation of Gastric Residual Volume Using Ultrasound in Fasting Diabetic and Non-Diabetic Adults Undergoing Elective Surgery under General Anaesthesia.
 - Ramanaathan, Nayar Pavan. Comparison of Sensory and Motor Block Characteristics with Dexmedetomidine and Dexamethasone as an Adjuvant to Bupivacaine in Supraclavicular Block in Adult Patients Undergoing Forearm and Hand Surgeries.
 - Sharma Rishabh, Prakash Smita. Evaluation of Airway Characteristics Predicting Difficult Videolaryngoscopy-Guided Tracheal Intubation in Adult Patients.
 - Khandelwal Rohan, Seth Anita. Comparison of Direct Laryngoscopy and Video Laryngoscopy Using C-Mac® for Glottic Visualization in Adults for Elective Surgery.
 - Kumar Sachin, Gupta Kapil. Ultrasound Assessment of Prevalence of 'At Risk Stomach' in Children Undergoing Elective Surgery.
 - Gupta Sakshi, Talwar Vandana. Ultrasonographic Assessment of Diaphragmatic Parameters for Predicting Weaning Outcome in Patients on Mechanical Ventilation in the Intensive Care Unit Setting.
 - Samriti, Agrawal Nidhi, Acharya Samir Kant. Comparative Evaluation of Efficacy of Videolaryngoscope with Direct Laryngoscope using Straight Blade for Endotracheal Intubation in Infants Undergoing Surgery under General Anaesthesia.
 - K Sathish, Dayal Madhu. Comparative Evaluation of Characteristics of Neuropathic Pain and its Effect on Quality of Life in Cancer Patients in Oncology Ward and Palliative Care Unit.
 - Gupta Saurabh Chandra, Kumar Meenakshi, Gupta Anubhav. Comparison of Two Different Doses of Heparin on Postoperative Haemorrhage in Cardiac Surgery Cases Requiring Cardiopulmonary Bypass.
 - Goyal Shabnam, Mullick Parul, Arora Renu. Comparison of Analgesic Efficacy of Dexmedetomidine with Dexamethasone as Adjuvant to Bupivacaine for Wound Infiltration in Patients Undergoing Caesarean Section under Spinal Anaesthesia.
 - Kumar Sudhir, Sahni Ameeta, Gaurav Gupta K. Comparative Evaluation of Combined use of Intravenous Dexmedetomidine-Ketamine with Dexmedetomidine alone with Peripheral Nerve Blocks for Split Skin Grafting from the Lower Limbs in Adults.
 - Kumar Sudhir, Dharam Meena Singh. Comparative Evaluation of two Doses of Dexmedetomidine in Treatment of Post Spinal Shivering in Patients Undergoing Caesarean Section.
 - Taneja Surbhi, Kale Suniti, Zutshi Vijay. Comparative Evaluation of Bilateral Transversus Abdominis Plane Block with Multi-layered Surgical site Infiltration for Post-Operative Analgesia Following Lower Segment Caesarean Section Using Pfannenstiel Incision under Spinal Anaesthesia.
 - Singh Swati, Sabharwal Nikki. Evaluation of End Tidal Carbon Dioxide for Predicting Survival Outcome of Adult Hypotensive Patients in the Emergency Department.
 - Maurya Tapes, Guria Sushil. Comparative Evaluation of Pericapsular Nerve Group Block with Fascia Iliaca Compartment Block for Reducing Pain Associated with Positioning for Subarahnoid Block in Patients Undergoing Proximal Femur Fracture Surgery.
 - N Vandana, Usha G. Comparison of Three Types of Crystalloids for Early Fluid Resuscitation in Adult Trauma Patients Admitted to Emergency Room.
 - Jakhar Varsha, Agrawal Nidhi. Comparative Evaluation of Clinical Efficacy of Inflatable Cuffed with Non-Inflatable Cuffed Supraglottic Airway Devices for Ventilation in Paediatric Patients Undergoing Elective Surgery under General Anaesthesia.
 - Singh Varun Kumar, Gupta Amita. Comparison of Ultrasound Guided Pudendal Nerve Block with Ultrasound Guided Caudal Block for Postoperative

Analgesia in Children Undergoing Perineal Surgeries under General Anaesthesia.

- Kumar Vidhan, Seth Anita. Comparison of Rotational and Pharyngoscopic Technique with Standard Technique for Laryngeal Mask Airway Proseal™ Insertion characteristics in Adults undergoing Elective Surgery under General Anaesthesia.
- P Vijayavani, Singh Rajpal, Shankar KB, Rani Anita. Evaluation of the Effects of Dexmedetomidine Infusion on Inflammatory Markers and Stress Hormone Levels in Adult Neurosurgical Patients Undergoing Craniotomy.
- AA Yazhini, Seth Anita. A Comparison of Two External Manoeuvres with Conventional Technique on Glottic Visualisation Using C-Mac® Video laryngoscope in Children for Elective Surgery.
- M Balamurali, Kathole Mahendra Ambadasji, Mittal MK. Morphometric Analysis of Lumbar Intervertebral Foramina Using Three-Dimensional Imaging in Adult North Indian Population.
- Dalis Dawn, Kaur Jasbir. Sex Determination of dry Adult Human Hip Bone in North Indian Population- A Morphometric Study.
- Markam Yamini, Loh Hitendra Kumar, Gupta Mohit. Study of Suprarenal Glands Morphometry and its Vasculature.
- Anbhule Amol Parshuram, Yadav Amita, Porwal Yogesh. Correlation of Toll like Receptors 2 and 4 with their Adaptor Proteins in Type 2 Diabetes Mellitus.
- Naaz Huda, Rani Anita, Bansal Sandeep. Correlation

of CD40 and CXCR4 Gene Polymorphism in Patients with Obstructive Coronary Artery Disease.

- Pandey Pramod Kumar, Kaur Charanjeet, Isser HS. Association of Single Nucleotide Polymorphism of Klotho Gene in Patients with Coronary Artery Disease.
- Sawant Snehal Sitaram, Rani Anita, Arya SV, Ahluwalia Charanjeet. Study of CDH1 CTNNB1 Gene Polymorphism and E-Cadherin Expression in Patients with Carcinoma Breast.
- Aritrik Das, Jugal Kishore. A Cross-Sectional Study of Noise and its Non-Auditory Effects among Staff at a Tertiary Care Hospital in New Delhi.
- Yadav Deepak, Roy Neelam. Knowledge and Practice of Private Practitioners Regarding Diagnosis and Treatment of Pulmonary Tuberculosis in an Urban Area of Delhi: A Cross Sectional Study.
- R Dhivya, Verma Anita. A Study on Quality of Drinking Water, Sanitation and Hygiene in a Rural Area of South West Delhi.
- Goyal Mohit, Verma Anita. Prevalence of Health Risk Behaviours and Associated Factors amongst Undergraduate College Students of Delhi.
- Goyal Prateek, Kapoor Richa. A Cross Sectional Study of Internet Addiction and its Association with Quality of Life among College Students of South Delhi.
- Singh Suraj Prakash, Khokhar Anita. Out-of-Pocket Expenditure on Healthcare and the Protective Mechanisms against it amongst Households in an Urban Village in Delhi.
- Thilagar, Tiwari Poornima. Burden of Overweight and Obesity among Secondary and Senior Secondary

Students of New Delhi Municipal Council Schools.

- Bhandari Yukti, Kishore Jugal, Yadav Abhilasha. A Cross-Sectional Study on Prevalence and Patterns of Tobacco Use and Knowledge of its Harmful Effects in an Urbanized Village, Delhi.
- Lal Ankur, Khunger Niti, Gaiind Rajni. Cutaneous and Systemic Bacterial Infections and their Anti-Microbial Susceptibility Pattern in Patients with Pemphigus.
- Kumar Chetan, Puri Poonam, Muralidhar Sumathi. Role of Real-Time Polymerase Chain Reaction in Diagnosis of Herpes Genitalis.
- R Divyashree, Arora TC, Arora Rashmi. Serum Cytokine Levels in Patients of Hyperkeratotic Hand Eczema and Chronic Plaque Psoriasis with Hand Involvement.
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19th-century painting on Bedside Clinical Medicine. A Ward Round. Work of Spanish-born French painter Luis Jiménez Aranda, Museum of Fine Arts, Seville.

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Doctor listens with stethoscope to a doll held by a little girl, a well known work of artist Norman Rockwell, 1927.

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The Doctor's Visit, by Jacob Ochtervelt, a 17th century Dutch Golden Age painter. The painting is displayed at Manchester Art Gallery.

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Flemish painter Joos van Craesbeeck's work depicts the interior of a house with a doctor treating a patient. Craesbeeck played a major role in the development of Flemish genre painting in the mid-17th century.

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Science and Charity, Pablo Picasso, 1897, Museu Picasso, Barcelona. The work portrays a country doctor, sitting by the bedside of a sick woman and counting the patient's pulse. The work was created by Picasso at 16 years of age as a part of his training. His father acted the part of the doctor.

18 Years with Chronic Liver Disease.

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Visiting Day at the Hospital — a famous work of painter Henry Jules Jean Geoffroy. Created in 1889, the painting is exhibited at the Musée d'Orsay in Paris.

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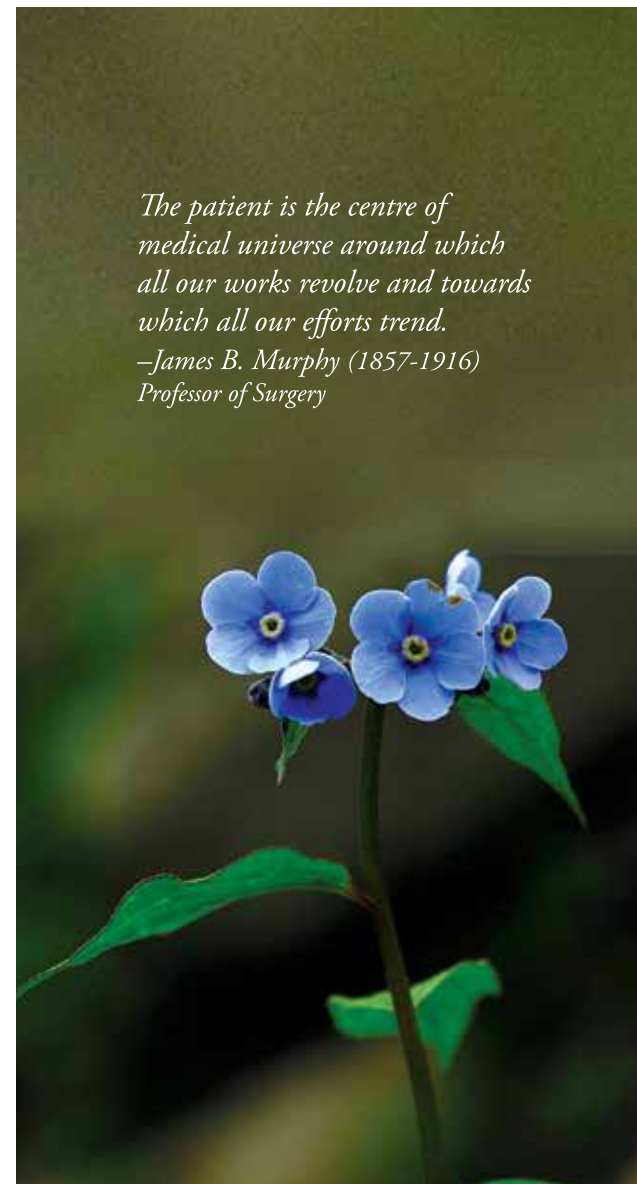
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The patient is the centre of medical universe around which all our works revolve and towards which all our efforts trend.

*—James B. Murphy (1857-1916)
Professor of Surgery*



Study of Biochemical Factors and Knowledge, Attitude, Practice in Patients of Premature Greying of Hair.

- Ipshita Bhattacharya, Paschal D'souza, Anand Kumar Verma, Study of Clinico- Pathological Patterns of Postinflammatory Hyperpigmentation using Various Invasive and Non-Invasive Modalities and their Impact on Quality of Life.
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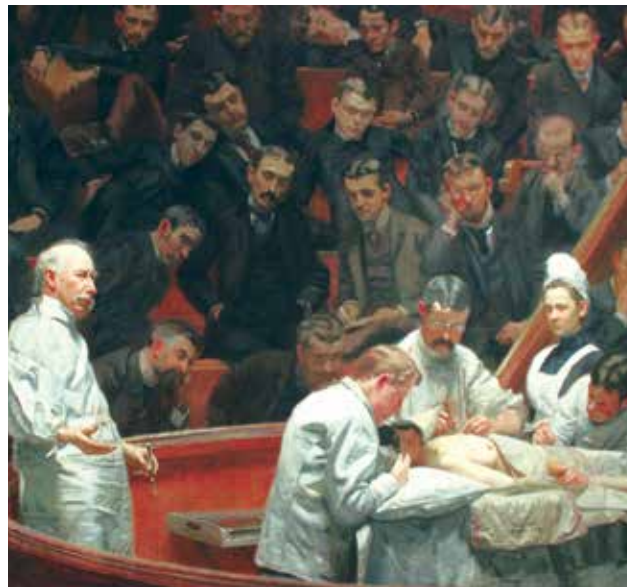
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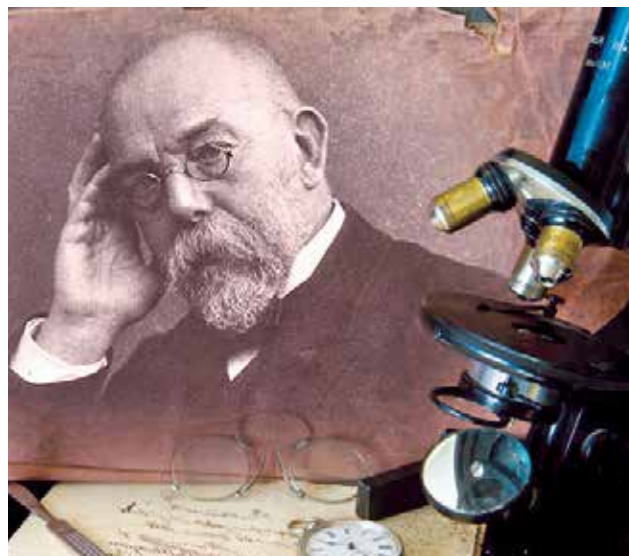
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Schools of Alternative Healing

*Of Ancient Indian traditions to the
Philosophy of Samuel Hahnemann*

The School is as much purposed to impart education, promote research and propagate indigenous alternative medicine systems in India. Wedded to this standpoint, it has affiliations with three institutions in diverse pathies: the ancient science of ayurveda which was born in India several thousand years ago; homeopathy conceived in 1796 by the German physician Samuel Hahnemann; and yoga which dates back to pre-Vedic Indian ascetic and Śramaṇa traditions; and finds references in the Rigveda, the Upanishads, and the Yoga Sutras of Patanjali which date from the 2nd century BCE.

The School offers 180 seats at the undergrad level in the three Ayush institutions each year (Table 4).

Table 4: Undergraduate Programmes in AYUSH

Academic Programme	Institution(s) offering the programme	Annual Intake
Bachelor of Ayurvedic Medicine & Surgery (B.A.M.S)	Chaudhary Brahm Prakash Ayurved Charak Sansthan	100
Bachelors in Homeopathy Medicine and Surgery (B.H.M.S)	Dr. B. R. Sur Homeopathic Medical College, Hospital and Research Centre	50
Bachelor of Science (Yoga)	Morarji Desai National Institute of Yoga	30

In case of those wishing to pursue higher learning in ayurveda and yoga, the two affiliated Ayush institutions together offer seven postgraduate programmes each year (Table 5).



Table 5: Postgraduate Programmes in AYUSH

Academic Programme	Institution(s) offering the programme	Annual Intake
Post Graduate Diploma in Yoga Therapy for Medical and Paramedical Graduates	Morarji Desai National Institute of Yoga	20
MD Ayurved Kayachikitsa	Chaudhary Brahm Prakash Ayurved Charak Sansthan	06
MD Ayurved Panchkarma		05
MD Ayurved Kriya Sharir		06
MD Ayurved Rachna Sharir		06
MD Ayurved Roganidan evum Vikriti Vigyan		06
Master of Science (Yoga)	Morarji Desai National Institute of Yoga	15

Regulatory Bodies governing the Courses

- Guru Gobind Singh Indraprastha University Acts, Statutes and Ordinances
- Central Council for Research in Ayurvedic Sciences
- Central Council for Research in Homoeopathy
- University Grants Commission

Research Publications

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- Varsakiya J, Kathad DR. Ayurvedic Management of Non-Alcoholic Fatty Liver Diseases: A Review. IAMJ. 2019; 5.34:2320.

Book Chapters

- Agarwal R. Gradation of Krishna Mandal Gat Roga, the Gradation of Diseases of Shalaky Tantra Part-1, E-book. Association of Shalaki India. 2019; 79-87.
- Agarwal R. Gradation of Sarvakshi Gatvyadhi, the Gradation of Diseases of Shalaky Tantra Part-1, E-book. Association of Shalaki India. 2019; 88-113.
- Agarwal R. Pittaja-Raktaja Abhishyanda–Mucopurulent Conjunctivitis, Treatment Protocol of Shalaky Tantra Part-1, E-book. Association of Shalaki India. 2019; 10-12.
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- Agarwal R. Siroutpata/Siraharsha–Episcleritis/ Scleritis, Treatment Protocol of Shalaky Tantra Part-1, E-book. Association of Shalaki India. 2019; 18-20.

Awards

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Comrades of Time

Of Careers in Paramedical Health Sciences

*There is no higher honour
than to be given the
responsibility to care for
another human being.*

—Richard K. Schachern

Closely related to the science of medicine, and adjunctive to its practice in maintenance or restoration of health, paramedical health sciences encompass a wide variety of allied disciplines ranging from laboratory medicine to medical imaging technology, from speech therapy to physiotherapy, occupational therapy and orthotics and prosthetics, and child counselling to clinical psychology.

The School has thirteen affiliate institutions offering a host of job-oriented learning and training programmes across diverse disciplines (Table 6 and 7).

Table 6: Undergraduate Programmes in Paramedical Sciences

Academic Programme	Institution(s) offering the programme	Annual Intake
Bachelor of Audiology and Speech Language Pathology (BASLP)	Ali Yavar Jung National Institute for the Hearing Handicapped	25
	Ashtavakra Institute of Rehabilitation Sciences and Research	25
Bachelor of Physiotherapy	Banarsidas Chandiwalla Institute of Physiotherapy	60
	ISIC Institute of Rehabilitation Sciences	50
Bachelor of Pharmacy	Jeevan Gopi Institute of Pharmacy and Technology, Baghpat	60
B. Sc. Medical Lab Technology	Integrated Institute of Technology, Delhi	30

Academic Programme	Institution(s) offering the programme	Annual Intake
B. Sc. Medical Lab Technology	College of Medical Lab Technology, Hindu Rao Hospital	30
Bachelor of Occupational Therapy	ISIC Institute of Rehabilitation Sciences	25
Bachelor of Prosthetics and Orthotics	ISIC Institute of Rehabilitation Sciences	25
	Vardhman Mahavir Medical College and Safdarjung Hospital	16
Bachelor of Medical Radiation Technology	Rajiv Gandhi Cancer Institute & Research Centre	4
Bachelor of Medical Imaging Technology	Holy Family Hospital	15



Table 7: Postgraduate Programmes in Paramedical Sciences

Academic Programme	Institution(s) offering the programme	Annual Intake
Masters of Arts (M.A.) in Criminology	Lok Nayak Jayaprakash Narayan National Institute of Criminology and Forensic Science	22
Masters of Science (M.Sc.) in Forensic Science	Lok Nayak Jayaprakash Narayan National Institute of Criminology and Forensic Science	31
Masters of Physiotherapy (Neurology)	ISIC Institute of Rehabilitation Sciences	8
Masters of Physiotherapy (Musculoskeletal)	ISIC Institute of Rehabilitation Sciences	8
Masters of Physiotherapy (Sports)	ISIC Institute of Rehabilitation Sciences	9
Masters of Physiotherapy (Cardiopulmonary)	ISIC Institute of Rehabilitation Sciences	5
Masters of Occupational Therapy Neurology)	ISIC Institute of Rehabilitation Sciences	10
Master of Prosthetics & Orthotics	ISIC Institute of Rehabilitation Sciences	16
M Phil in Clinical Psychology	Department of Psychiatry, Dr. Ram Manohar Lohia Hospital	10
M Phil in Psychiatric Social Work	Centre of Excellence in Mental Health, Dr. Ram Manohar Lohia Hospital	8



Regulatory Bodies governing the Courses

- Physiotherapy Council of Delhi
- Rehabilitation Council of India (RCI)
- All India Council for Technical Education (AICTE)
- University Grants Commission (UGC)
- Guru Gobind Singh Indraprastha University Acts, Statutes and Ordinances

Research Publications

- Bhushan M, Yadav G, Tripathi D, Kumar L, Dewan A, Wahi I, et al. Effect of Photon Energy on Conventional Intensity Modulated Radiotherapy and Rapid Arc Radiotherapy Planning for Deep Seated Targets in Carcinoma Cervix. *Asian J Oncol*. 2019;5: e1-e3.
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- Choudhary A. Balance among Elderly Population. *Int J Yoga Physiother Phys Educ*. 2019; 4(6):22-4.
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- Mandecha S, Raychaudhuri K, Christopher G. A Comparative Study of the Performance of Open-source and Proprietary Disk Forensic Tools in Recovery of Anti-Forensically Doctored Data. IJCSDF. 2019;8(4):250-261.
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 - Singh K, Junnarkar M, Singh D, Suchday S, Mitra S, Dayal P. Associations Between Religious/Spiritual Practices and Well-Being in Indian Elderly Rural Women. J Relig Health. 2019.
 - Singh U, Sweta, Kiran M. A Journey Back to Home: Reintegrating and Rehabilitating of an Unknown. IJPSR. 2019; 14(2):295-302.
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 - Sinha A, Verma H, Kumar A. Neglect Analysis Using Semantic Picture Priming Paradigm among Hindi Speaking Developmental Dyslexics: Research and Reviews. J Neurosci Res. 2019;9(2):39–45.
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 - Bhushan M, Yadav G, Tripathi D, Kumar L, Kishore V. Dosimetric Analysis of Unflattened (FFFB) and Flattened (FB) Photon Beam Energy for Gastric Cancers Using IMRT and VMAT—A Comparative Study. J Gastrointest Cancer. 2019;50(3):408-19.
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Of Nightingales and Soulful Music of Compassion and Care

*A Career in
Nursing Sciences*





Born of religious orders such as nuns and monks across faiths, geographic regions and cultures, who often provided nursing-like care, and given a scientific foundation of professional education by Florence Nightingale in the 19th century, nursing has been the closest and oldest ally of the medical profession. A science and art in its own right, it focuses on the care of individuals, families, and communities so they may attain, maintain, or recover optimal health and quality of life.

Celebrated for its compassionate approach to patient care, modern day nursing requires intense learning and training, and has ample scope of practice. Its growing global recognition has fostered the need to define the theoretical basis for nursing practice. This has led to the formation of a wide variety of professional organizations and bodies, and development of undergraduate and postgraduate nursing degrees which involve extensive study of nursing theory and practice as well as training in clinical skills.

The aim of the nursing community worldwide is for its professionals to ensure quality care for all, while maintaining their credentials, code of ethics, standards, and competencies, and continuing their education.

The School currently has seven nursing colleges

affiliated to it, which offer undergraduate and postgraduate nursing degrees (Table 8 and 9).

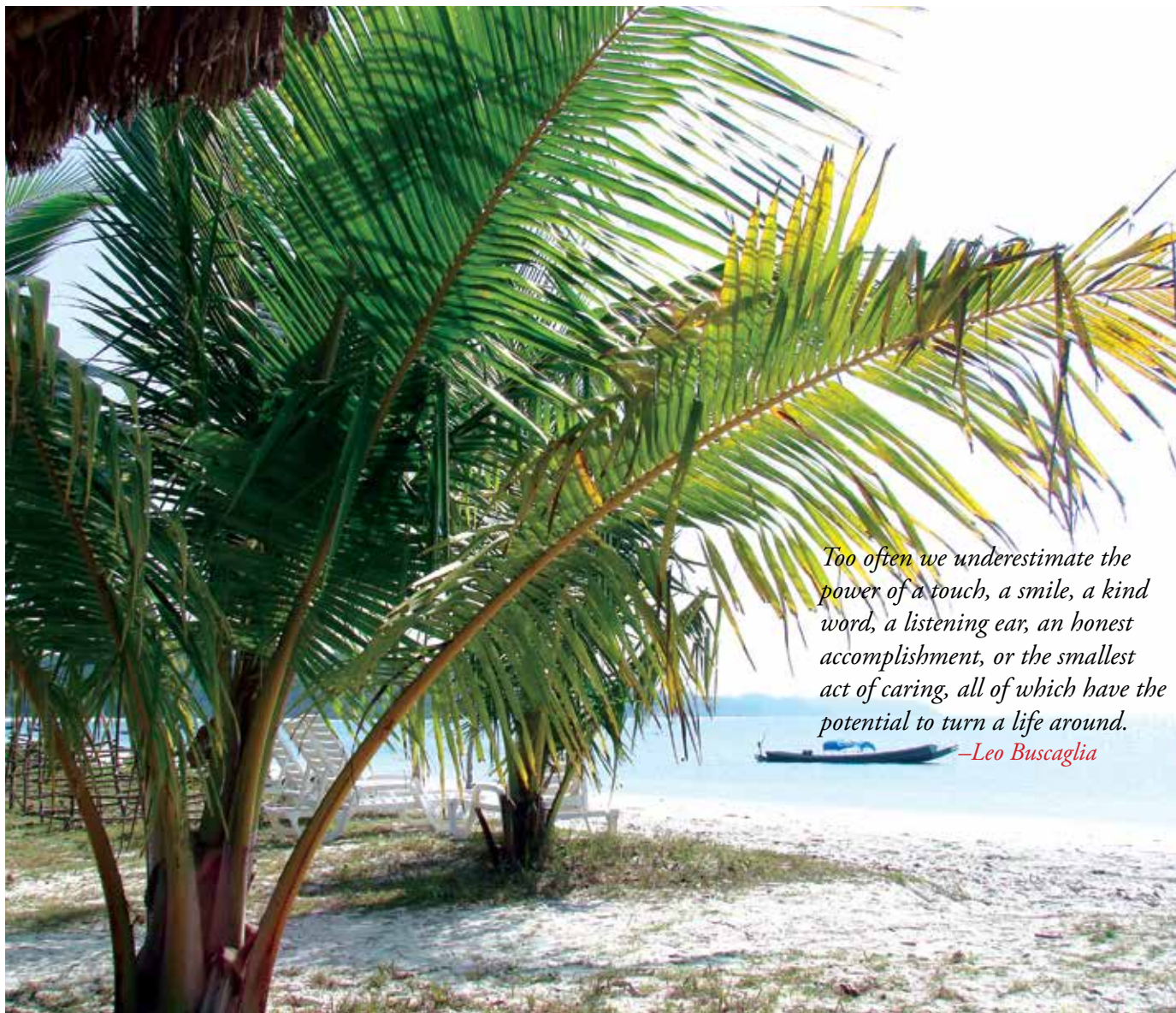
Table 8: Undergraduate Programmes in Nursing Sciences

Academic Programme	Institution(s) offering the programme	Annual Intake
B.Sc. (Hons.) Nursing	Lakshmi Bai Batra College of Nursing, New Delhi	60
	College of Nursing, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi	50
	College of Nursing, Dr. Ram Manohar Lohia Hospital, New Delhi	50
	St. Stephen's College of Nursing, Tis Hazari, Delhi	50
	School of Nursing, Hindu Rao Hospital, North Delhi Municipal Corporation	26
	College of Nursing, Kasturba Hospital, New Delhi	20
Post Basic B.Sc. Nursing	St. Stephen's College of Nursing, Tis Hazari, Delhi	20

Table 9: Postgraduate Programmes in Nursing Sciences

Academic Programme	Institution(s) offering the programme	Annual Intake
M.Sc. Cardio-Vascular and Thoracic Nursing	College of Nursing, National Heart Institute, East of Kailash, Delhi	10
M.Sc. Medical-Surgical Nursing	St. Stephen's College of Nursing, Tis Hazari, Delhi	8





Too often we underestimate the power of a touch, a smile, a kind word, a listening ear, an honest accomplishment, or the smallest act of caring, all of which have the potential to turn a life around.

—Leo Buscaglia

Regulatory Bodies governing the Courses

- Guru Gobind Singh Indraprastha University Acts, Statutes and Ordinances
- Indian Nursing Council

Research Publications

- Bala M. A Study to Assess the Knowledge of School Going Girls regarding Menarche, Pubertal Changes and Problems faced by them in Selected Schools of New Delhi. Int J Nurs Midwifery Res. 2019; 6(1):23-27.
- Mala, Avarachan A, John G. Effectiveness of Structured Teaching Programme in terms of Knowledge of Adolescent girls regarding Polycystic Ovarian Syndrome and Prevention of its complication in senior secondary school. Int J Nurs Midwifery Res. 2019; 6(1):28-32.
- Negi S, Murugan R Vel, Chugh D. A Study to Compare Five Different Body Positions on Peak Expiratory Flow Rate and Respiratory Rate in Patients with COPD. MJNHS. 2019; 5(2):16-22.
- Tomar D, Murugan R Vel, Chugh D. Effectiveness of Assisted Self-Directed Learning on Knowledge regarding Basic Electrocardiogram and Interpretation of Myocardial Infarction among Staff Nurses. IJMER. 2020; 9(4):76-81.



The Doctor of Philosophy Programme

Crossing New Frontiers

*Research is to see what everybody else has
seen and to think what nobody else has thought.
—Albert Szent-Gyorgyi*

Carrying out an in-depth study to test a hypothesis, delve into a probing research question and obtaining a doctorate degree is the biggest dream in academia. Doctoral study is the highest level of academic research. It must contribute to new understanding and knowledge in the line of work. It imparts the research scholar the needed skill to excel in academia, in developing a hypothesis, testing it by conducting apt experiments, and observing, interpreting and analysing the results.

Traditionally, a Ph.D. programme is purposed with producing afresh crop of researchers for universities as well as scientific and medical institutions

Currently, the Ph.D. programme of the School is in a process of evolution. A four-member committee — chaired by Prof. Pranav Desai, and with Prof. Sanjay Chaturvedi, Prof. K.K. Deepak and Prof. D.K. Sharma as members — is delving into making necessary revisions, establishing new guidelines, and devising ways on how to embellish and restructure the Ph.D. programme.

Presently, the School has following researchers working on their Ph.D. research projects:

- **Ruchi Dhuria:** Immunohistochemical Study of Tumour Markers in Head and Neck Squamous Cell Carcinoma – A Tissue Microarray Study.
- **Sanjeev K. Singh:** Coverage and Determinants of Childhood Vaccination under National Immunization Program in Mumbai slums: A Cross-Sectional Study.
- **Poornima Suryanath Singh:** Geospatial mapping of Dengue cases in Delhi to study Clustering and the Socio-Demographic and Environmental Correlates for Prediction of Dengue Occurrence.
- **Sarvesh Kumar:** Multi-level Modelling of Factors associated with Under Five Mortality in Empowered Action Group States of India.
- **Amit Sharma:** Development and Standardization of LAMP Assay for Early Detection of *Acinetobacter baumannii* in Patients with Sepsis.
- **Deepika Karotia:** Epidemiological Determinants of Disability Occurrence amongst New Leprosy Patients in two High Endemic Districts of India.
- **G. Vani Bhushanam:** Quantifying and Validating Optimal Energy and Macronutrient Requirements during Preparatory and Competitive Phases of Training in Swimmers and Cyclists aged 14-19 Years.

- **Megha Nijhawan:** Effect of Transcranial Direct Current Stimulation (tDCS) on Motor and Functional Recovery in Individuals with Incomplete Spinal Cord Injury.

Regulatory Bodies governing Ph.D. programme


- Medical Council of India
- University Grants Commission
- Guru Gobind Singh Indraprastha University Acts, Statutes and Ordinances



Of Partners in Education

*The Affiliate Medical Institutions
of the GGSIP University*





The practice of medicine is an art, not a trade; a calling, not a business; a calling in which your heart will be exercised equally with your head.
—Sir William Osler

Government Institutions

Medical and Dental Colleges

2002

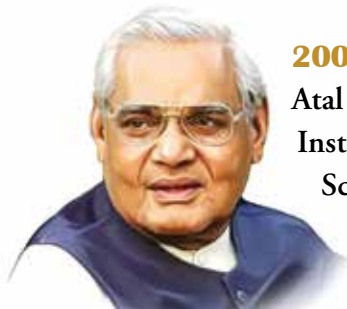
Vardhman Mahavir Medical College and Safdarjung Hospital

Beginning operations as a US Army Field Hospital in April 1942, the facility stood out for its service to the ailing and injured US soldiers fighting in the China-Burma-India war theatre during World War II. The Delhi-wallahs called it the American Hospital. Following independence, it became the common man's referral healthcare centre. In 1954, the Ministry of Health and Family Welfare, Government of India, adopted the institution as its flagship hospital and named it after Mirza Muqim Abul Mansur Khan, who held the title of Safdarjung, ruled over Awadh and later became the vazir of the Mughal empire.

Safdarjung Hospital was one of the first medical institutions in the city to offer undergraduate, postgraduate and postdoctoral medical courses. Between 1958-62, it was the alma mater for the first four batches of All India Institute of Medical Sciences, in 1958 it initiated the doctoral MD, MS programmes and in 1966 it began the M.Ch. programme of University of Delhi. Between 1972

and 1989, it was home to University College of Medical Sciences, and in 2002, it gave birth to Vardhman Mahavir Medical College.

The first and still the largest medical institution to be affiliated to Guru Gobind Singh Indraprastha University, Vardhman Mahavir Medical College offers the MBBS programme to 170 students each year, has MD and MS programmes in 22 specialties, and the post-doctoral DM and M.Ch. programmes in 8 super specialties. For the past several years, Vardhman Mahavir Medical College has been ranked among the best 10 medical colleges of the country.



2005

**Atal Bihari Vajpayee
Institute of Medical
Sciences and Dr. Ram
Manohar Lohia
Hospital**

Atal Bihari Vajpayee
Institute of Medical

Sciences and Dr. Ram Manohar Lohia Hospital is a tertiary care teaching hospital of the Ministry of Health and Family Welfare, Government of India. Initially a hospice, it was established in 1932 by Lord Willingdon, the then Viceroy of India, during the British colonial rule for the Viceroy's



family and senior civil servants with an in-patient facility of 32 beds. Post-independence, it was taken over by the New Delhi Municipal Committee. Subsequently, in 1954, the Ministry of Health and Family Welfare, Government of India, took over the command and increased the bed strength to 54.

This medical institute, spread over 36 acres of land, currently has 1504 beds. In 2005, it gave birth to Post Graduate Institute of Medical Education and Research and became a hub of postgraduate medical education. In 2019, the government decided to set up a medical college and began the MBBS programme, rechristening the institute as Atal Bihari Vajpayee Institute of Medical Sciences.

2010-11

**ESIC Hospital & Post Graduate Institute of
Medical Sciences and Research**

Situated in Basaidarapur, ESIC-Postgraduate Institute of Medical Sciences and Research is a 600-bedded multi-specialty tertiary care teaching institution. It runs postgraduate programmes in eight broad surgical and medical specialties and one super specialty of pulmonary medicine. The faculty has published a large number of research papers with a high impact factor. The institution has concrete plans to further expand operations.



2013

North Delhi Municipal Corporation Medical College and associated Hindu Rao Hospital

Situated on a green, picturesque hilltop, a part of the Aravalli hills, and established in 2013, North Delhi Municipal Corporation Medical College is attached to the historic Hindu Rao Hospital. Currently a modern multi-specialty hospital, it began as a 16 bedded nursing home in 1911 in a private house constructed by the British Resident Sir Edward Cole Brook.

In 1951, the state government converted it into a general hospital with OPD services and 127 indoor beds. Seven years later, the hospital was taken over by the Municipal Corporation of Delhi and renamed as Hindu Rao Hospital. Raja Hindu Rao was the brother-in-law of Maharaja Daulat Rao Scindia of Gwalior and a Maratha nobleman, who was close to the British Resident. The college takes 50 students in the MBBS programme each year and its first batch graduated in 2018.



2016

Dr. Baba Sahib Ambedkar Medical College and Hospital

Set up on 12th June 2016, Dr. Baba Sahib Ambedkar Medical College and Hospital is



home to a batch of 100 MBBS students each year. Spread over an area of 29.4 acres, and situated in Sector 6, Rohini, the institution is attached to a 540 bedded multi-specialty hospital. Still in its formative years, the institute is deeply committed to the advancement of knowledge and medical teaching and research, and to the well-being of the people of Delhi.

2010

ESIC Dental College

The ESIC Dental College & Hospital at Rohini, Delhi was established in the year 2010, marking ESI Corporation's first foray into dental education. The institute runs a graduate degree programme in dental surgery, and has an annual intake of 50 students each year.

M.Phil. Programmes

2015

Department of Clinical Psychology

Centre of Excellence in Mental Health, Dr. Ram Manohar Lohia Hospital, New Delhi

2016

Department of Psychiatric Social Work

Dr. Ram Manohar Lohia Hospital, New Delhi

Alternative Medicine Colleges

1999

Dr. B.R Sur Homoeopathic Medical College, Hospital and Research Centre

Set up in November 1985 by Dr. B.R. Sur, a great philanthropist and eminent homoeopath, he donated the institution to the government for the service of the community. Situated in Nanak Pura, Moti Bagh, the hospital is equipped with research labs, diagnostic facilities, pathology services and as 50 beds and outpatient services in a number of specialties with an annual foot fall of more than 70,000 outpatients.

In tribute to its founding father, the medical college, set up in August 1999, is named after Dr. B.R. Sur. The Dr. B.R. Sur Homoeopathic Medical College, Hospital and Research Centre annually admits 63 students in its graduate programme in



Homeopathic Medicine and Surgery (B.H.M.S.).

The institution has 12 teaching departments, a library with more than 5,500 books, and has a memorandum of understanding with Pandit Deendayal Upadhyay Hospital, Hari Nagar; Maternity Centre, R.K. Puram and peripheral Primary Health Centres for training of students in surgery, obstetrics and gynaecology, accident and emergency services and forensic autopsies.

2010

Chaudhary Brahm Prakash Ayurved Charak Sansthan

Established in the noble memory of Delhi's first Chief Minister, Chaudhary Brahm Prakash, Ayurved Charak Sansthan is a 210-bedded ayurvedic medical college and hospital spread over a lush green 95-acre campus with a total built up area of 47,150 square meters. The Institute runs a graduate programme in ayurved medicine and surgery (B.A.M.S) with an annual intake of 100 students, besides running a post graduate programme, MD Ayurveda, in five broad specialities. Foreign students from many countries like Sri Lanka, Malaysia, Trinidad and Tobago have embraced this institution as their alma mater and have carried the knowledge and skills in ayurved to their countries.





2012

Morarji Desai National Institute of Yoga

Seated in Lyuten's Delhi in the heart of the capital on Ashoka road, Morarji Desai National Institute of Yoga is Government of India's flagship institution for yoga education, therapy and research. It harbours an avant garde approach in promoting deeper understanding of yoga philosophy and practices based on classical yoga within the global village.

The institute offers a graduate degree (B.Sc.), a post-graduate diploma, and a masters' degree (M.Sc.) programme for those who wish to acquire understanding, knowledge and skills of yogic practise.



Para Medical Health Sciences Institutions

2003

Ali Yavar Jung National Institute of Speech and Hearing Disabilities

Set up with the objective of providing 360-degree rehabilitation to peoples with hearing and vision loss, and physical and mental disabilities, Ali Yavar Jung National Institute of Speech and Hearing Disabilities is a Government of India's initiative with regional centres spread across the country. The institute offers a graduate degree programme in audiology and speech language pathology (B.A.S.L.P.) since 2003.



2009

College of Medical Lab Technology

Hindu Rao Hospital, Malka Ganj, Delhi

A busy hospital with a huge footfall, Hindu Rao Hospital makes an excellent ground for creating

teaching and training facilities related to not just medical students, but also medical techs and nurses. The B.Sc. Medical laboratory technology programme of Hindu Rao Hospital commands huge respect and is favourite among the students who wish to carve a career in this field.

2004

Lok Nayak Jayaprakash Narayan National Institute of Criminology and Forensic Science

Located in Rohini, the institute has 8 acres campus housing administrative wing and teaching areas, large hostel space, several lecture theaters, seminar rooms, auditorium besides residential facilities for faculty and staff. The institute has an instrumentation wing and several laboratories having state-of the art equipment. It offers M.A. and M.Sc. programmes in Criminology and Forensic Science since 2004.

2012

National Institute for the Empowerment of Persons with Intellectual Disabilities

Located in Gautam Budh Nagar, Noida, the mission of the institute is to build intellectual, vocational, and employment capacity among persons with intellectual disabilities in order to empower them and inspire self esteem.

2014

Integrated Institute of Technology

Dwarka, New Delhi

Nursing Colleges

2008

College of Nursing

Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi

2008

College of Nursing

Dr. Ram Manohar Lohia Hospital, New Delhi

2019

School of Nursing

Hindu Rao Hospital, Delhi

2019

College of Nursing

Kasturba Hospital, Darya Ganj, New Delhi

Self-Financing Institutions

Medical College

2008

Army College of Medical Sciences

Spread over an area of 25.6 acres and located on the ring road in Delhi Cantonment area, Army College of Medical Sciences was established by



the Army Welfare Education Society in April 2008. Attached to the Army Base Hospital, the institution offers MBBS degree programme to the wards of serving army personnel, ex-army personnel, and widows of army personnel, and enjoys a premier ranking among the best medical colleges in north India.

Para Medical Health Sciences Institutions

2003

Banarsidas Chandiwalla Institute of Physiotherapy

Established in the memory of Shri Banarsidas Chandiwalla who had worked tirelessly and selflessly for the relief of those affected by the Great Famine of 1856, and set up by a close associate



of Mahatma Gandhi, president of Bharat Sewak Samaj, freedom fighter, and son of Shri Banarsidas Chandiwala, Shri Brijkrishan Chandiwala, the institute located close to the Kalkaji Temple offers a four-and-a-half-year graduate degree programme in physiotherapy.

2004

Institute of Rehabilitation Sciences, Indian Spinal Injuries Centre

Known across the globe for its highly specialized services in spinal, orthopaedic and neuromuscular surgery, Indian Spinal Injuries Centre offers first

rate facilities for diagnosis, management and rehabilitation of people with trauma, birth defects, tumours, and other pathologies. Equipped with excellent research labs, international tie-ups, and carrying an avant garde approach, the institution has a large number of patents and has contributed to the international think-tank in how to manage spinal injuries.

The institute offers four-and-a-half-year graduate degree programmes in physiotherapy, occupational therapy, and prosthetics and orthotics, besides running a two-year post-graduate degree programmes in each of these areas.



2007

Rajiv Gandhi Cancer Institute & Research Centre

Founded in 1996, Rajiv Gandhi Cancer Institute and Research Centre is a major advanced medical centre for treatment of cancers in Asia. A 302-bedded facility, this well-equipped institute enjoys strategic alliances with a number of international institutions and is in the global league of hospitals pioneering new approaches in the treatment of cancers. The institute offers a graduate degree programme in medical radiation technology in affiliation with Guru Gobind Singh Indraprastha University.

2013

Ashtavakra Institute of Rehabilitation Sciences and Research

Situated at the hub of institutional area of North Delhi, Ashtavakra Institute of Rehabilitation Sciences and Research is an ISO 9001:2008 certified institution devoted to the cause of welfare of peoples with disabilities.

The institute offers a graduate degree programme in audiology and speech language pathology (B.A.S.L.P.) and graduate degree programme in special education (B. Ed. Special Education) for teaching and training of children with mental retardation and hearing impairment.

National Centre for Autism India
Jasola Vihar, New Delhi

Indian Red Cross Society
Red Cross Road, New Delhi

Jeevan Gopi Institute of Pharmacy and Technology

Situated in the National Capital Territory of Ahera, Baghpat, Jeevan Gopi Institute of Pharmacy & Technology offers a graduate degree programme in pharmacy.

Nursing Colleges

2004

Lakshmi Bai Batra College of Nursing

A part of the Batra Hospital and Medical Research Centre, the Lakshmi Bai Batra School of Nursing was Batra Hospital and Medical Research Centre was Guru Gobind Singh Indraprastha University's first affiliated nursing college to perceive and initiate a four-year graduate degree programme in nursing (B.Sc. Nursing) in 2004.

Built on plot of land measuring 1.23 acres, the college is blessed with five well equipped laboratories, audio-visual aids laboratory, computer lab, and a state of the art auditorium, besides holding the significant advantage of clinical

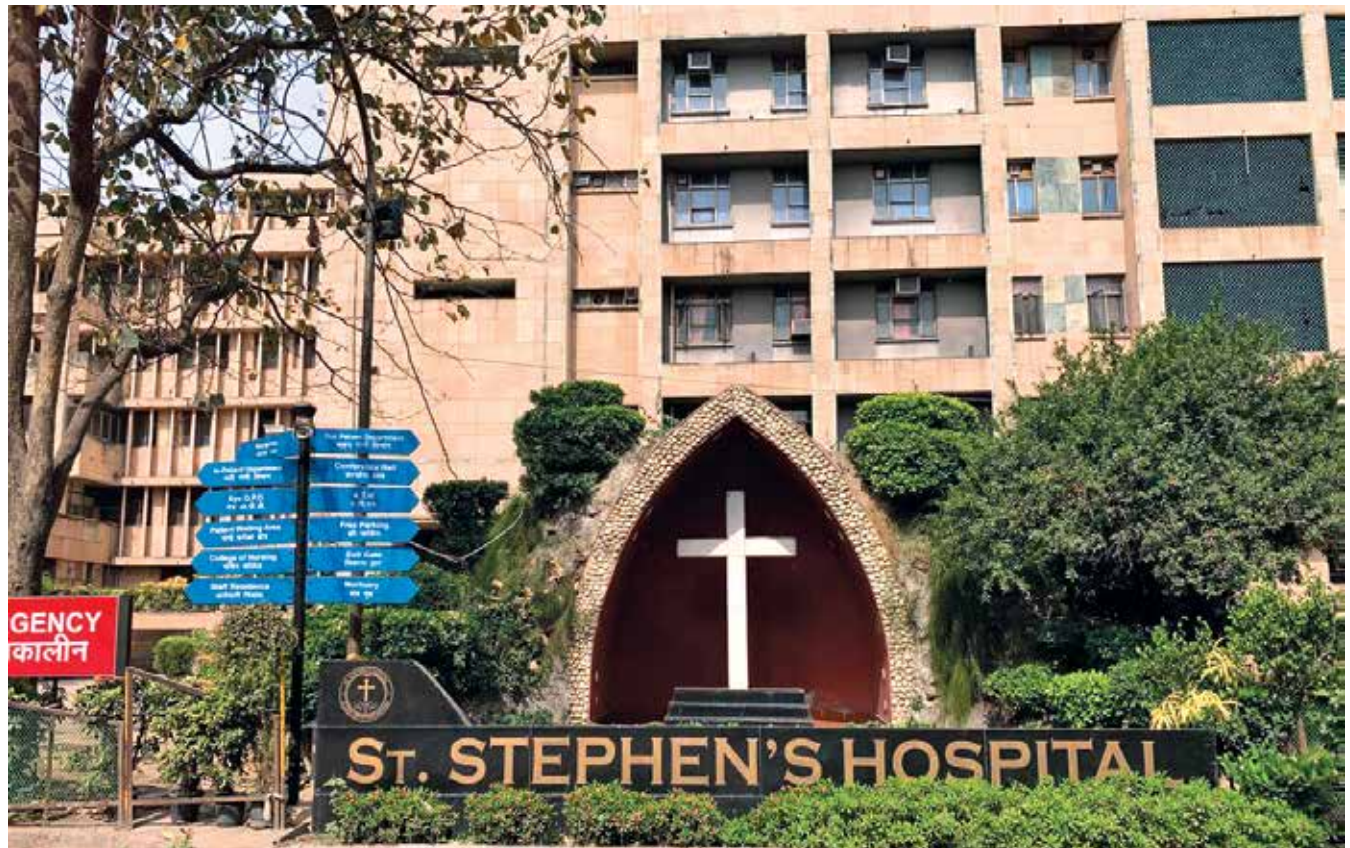
training at the 500 bedded multi-specialty hospital.

2008

College of Nursing, St. Stephen's Hospital

Set up in 1885 in the memory of Ms. Priscilla Winter, who led medical work for the ladies of the

walled city, St. Stephen's Hospital made a humble beginning as a 20-bedded hospital in Chandni Chowk. By 1908, relocating to Tis Hazari, it grew into a 100-bedded Women and Children's Hospital. In 1976, the Hospital was upgraded to a 450 bed multi-speciality hospital, and in 1996 a Mother and Child Block was added to its strength.



This well-equipped super specialty tertiary care hospital presently has 595 beds.

The nursing school, pioneered by Ms. Alice Wilkinson, was established in 1908. A century later, in the year 2008, the School of Nursing got upgraded to College of Nursing with an annual intake of fifty B.Sc. (Hons.) nursing students. The

college also runs a M.Sc. programme in nursing sciences.

2016

National Heart Institute College of Nursing

The National Heart Institute College of Nursing began its journey on path of academic excellence

in October 2016, establishing University's first postgraduate programme in nursing. Being the need of the hour, this 2-year M.Sc. programme in cardio vascular thoracic nursing was much welcomed. The course focusses on advancement of hands skill, and competency development through a robust training programme.



The Path Ahead

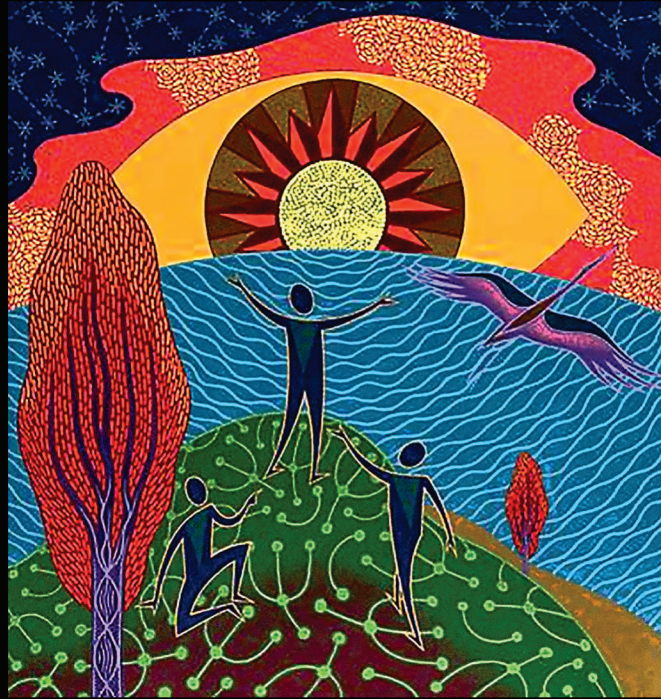
*Trust in dreams, for in them is hidden
the gate to eternity.*
—Khalil Gibran

Medical schools are the pride of all high ranking global universities across the world. Though having taken more than thirty medical and allied colleges into its fold, the University School of Medicine would catapult into next orbit by adding a university hospital and a medical college to its strength. This could pave the way for high-quality research and academics in the university. However, it is a dream which requires considerable resources. A public-

private partnership could ease these hurdles and complexities.

The School also harbours a vision of encouraging interdisciplinary research programmes, which could bring different schools of medicine, call them pathies if you will, together and hold the potential of building better avenues of treatment. This is where the salvation of all treatments, be it the ancient or modern, experiential or evidence-based, must lie. May the Gods smile on this thought!





Devoted to the highest ethical values, nurturing deep understanding, sensitivity and care of human mind and body, and advancing promotive, preventive and curative healthcare – across systems of medicine, be it Western or Indian, modern or ancient – the University School of Medicine and Paramedical Health Sciences is a pious confluence of diverse pathies, nursing sciences, and paramedical disciplines.