





Standing
TALL
OVER 50 YEARS



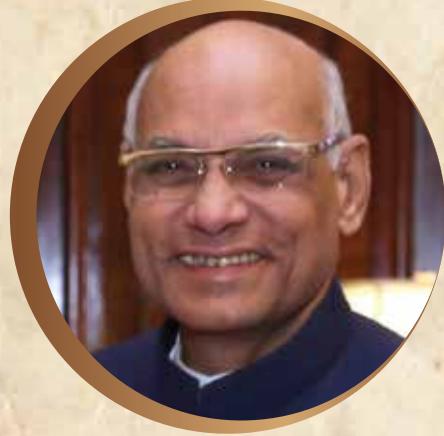
Design: The J-Peg Factory, a Defin8 Consulting agency.

Printed at:
JAK Printers Pvt. Ltd. Byculla, Mumbai.
www.jakprinters.com

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MESSAGES GOVERNOR



Mr Ramesh Bais
Governor, Maharashtra

'I am pleased to know that the Jaslok Hospital & Research Centre, Mumbai is celebrating the golden jubilee year of its establishment this year. It is a matter of great pride and satisfaction that during the last five decades Jaslok Hospital has emerged as a centre of excellence in healthcare attracting patients from all parts of India and many countries of the world. Many eminent doctors and specialists have rendered their services to the people through the hospital. The hospital has given new life to many and improved the quality of life of numerous others. Over the years the hospital has rendered matchless services to society and humanity at large. I congratulate Jaslok Hospital & Research Centre and to each and everyone who contributed to the making of this grand healthcare institution and wish them Godspeed in their future endeavours.'



MESSAGES

CHIEF MINISTER



Mr Eknath Shinde
Chief Minister, Maharashtra

‘50 years of unwavering dedication, shaping the future of healthcare in India.

Jaslok Hospital & Research Centre’s legacy shines bright and is a testament to the tireless efforts of all who have contributed to its success. It’s a matter of pride for every Maharashtrian that the country’s first super-specialty hospital in the private sector is from the state of Maharashtra.

I congratulate Jaslok Hospital’s founders and trustees and every one who made this feat possible and look forward to reading the coffee table book.’



MESSAGES DEPUTY CHIEF MINISTER



Mr Devendra Fadnavis
Deputy Chief Minister, Maharashtra

‘I am happy to know that Jaslok Hospital & Research Centre is celebrating the golden jubilee of public service with great enthusiasm. Since its inception the hospital has been providing quality healthcare services under one roof not only for Mumbai but also for the entire country and abroad. On this momentous occasion, I commend the contributions of Jaslok Hospital over the past 50 years. The hospital’s relentless pursuit of excellence and commitment to patient welfare have truly set a standard for healthcare institutions worldwide. I must congratulate the team of dedicated doctors who are offering quality healthcare to the patients through several specialised departments. I hope that the institute will continue its path of success in the coming future also. It is praiseworthy that the hospital is bringing out the coffee table book to commemorate this occasion.

The coffee table book is a testament to Jaslok Hospital’s tireless efforts and remarkable journey and is a monumental read for anyone aspiring to make a difference in the healthcare world.’



MESSAGES CHAIRPERSON



Mrs Kanta Masand
Chairperson, Jaslok Hospital & Research Centre

'It brings me great pleasure to celebrate the golden jubilee of Jaslok Hospital & Research Centre with the release of this momentous chronicle of its history.

I am truly proud to honour Jaslok Hospital, our visionary founders, and our dedicated doctors, staff, and patients with this fitting commemoration of the past 50 years.

I hope this book inspires everyone who reads it to aspire to excellence in philanthropy and revere the past while imagining the future!'

MESSAGES TRUSTEES



Mr Narain Chanrai

Trustee, Jaslok Hospital & Research Centre

Just as we strive for clinical excellence today, so healthcare is going to undergo a period of rapid changes in the coming decades. The application of new technologies such as artificial intelligence, machine learning, telemedicine, remote surgery, new drug discoveries, etc., will help us deal with the newer concerns of tomorrow. Ageing and longevity are examples.

Our aspiration is that Jaslok Hospital & Research Centre will be, as it always has been, focused on the patient, helping to prevent, diagnose and cure diseases.'



Mr Jagdish Chanrai

Trustee, Jaslok Hospital & Research Centre

'On the joyous occasion of the golden jubilee of Jaslok Hospital & Research Centre, I express my respect for the founders for setting up such a reputed institution to serve humanity. My heartfelt thanks to all the dedicated medical practitioners, employees & board members, past and present who have served with distinction - thereby making compassionate quality health care the hallmark of this institution. The response of the Jaslok Hospital team during Covid was truly amazing and inspiring.

I wish the Jaslok Hospital family many more decades of glorious service.'

MESSAGES

TRUSTEE AND CEO



Mr Vinod Chanrai

Trustee, Jaslok Hospital & Research Centre

‘Congratulations to Jaslok Hospital & Research Centre on its 50th anniversary! We are thrilled to celebrate this milestone with you. Your commitment to providing quality healthcare services to your patients is truly remarkable. Your dedication to excellence and innovation has made a significant impact on the healthcare industry.

We wish you continued success in the years ahead and look forward to seeing all that you will accomplish in the future.’



Mr Jitendra Haryan

CEO, Jaslok Hospital & Research Centre

‘It’s a privilege to witness the golden jubilee celebration of this esteemed institution that has pioneered several medical innovations in India and the world, garnered the finest talents, and has been the reason for many families to smile across the globe.

It has stood tall for the last five decades and has paved the way for today’s super-specialty hospitals in the country.

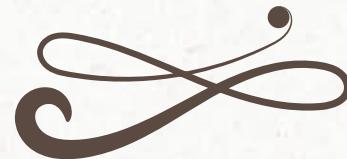
My assurance for quality care and best wishes for 50 and more glorious years to come!

THE JASLOK HOSPITAL & RESEARCH CENTRE: A VAST THEATRE OF LIFE



Malavika
Sangghvi

Malavika Sangghvi is one of India's most reputed journalists with over four decades of experience in the media and was described by The New York Times as 'a chronicler of social mores'. She has edited some of India's largest-circulated newspapers and has written for the world's most respected newspapers, magazines and media houses.



1973: It was the best of times; it was the beginning of things.

Twenty-six years after Independence, India was continuing her tryst with destiny as a young republic, ushering in the dreams of her founding fathers and the aspirations of her vast populace.

Mumbai, once a sleepy archipelago of seven islands, was the country's financial capital and as expected, was witness to unprecedented development on all fronts.

Nariman Point and Cuffe Parade were being reclaimed from the sea, creating crucibles of modernism and vertical ambition; the construction of the 80-metre tall Usha Kiran, the tallest residential tower in the country, along with India's first first flyover at Kemps Corner, added to this sense of exhilaration and aspiration and city planners were already in the process of commissioning a new airport terminal, as it became clear that the modest one at Santacruz, was unable to accommodate the demands of the 'jumbo jet' era.

Enter audacious ambition and the vision of outstanding individuals

An outstanding example of the era's intrepid spirit of growth and vaulting ambition was the creation of India's first private hospital, the Jaslok Hospital & Research Centre, which would combine world class infrastructure with the finest medical talent and ensure the highest level of healthcare to all, irrespective of their socio-economic status.

To grasp the sheer audaciousness of this ambition and understand why it had so captured public imagination, one had only to glance towards the city's existing medical infrastructure: until the entry of Jaslok Hospital, well meaning, but antiquated institutions, which were not much more than glorified nursing homes had served Mumbai's citizens, leaving much to be desired as far as talent, infrastructure, amenities and international standards were concerned.

It was the resolve of an outstanding couple- Jaslok Hospital's founders - the visionary philanthropists Seth Lokoomal Chanrai and his wife Smt Jasotibai Chanrai, ably supported by the celebrated surgeon Dr Shantilal Jamnadas Mehta, which had put an end to all of that.

A serendipitous conversation and an unlikely inception

But, often as these things occur, especially in Mumbai, a city famous for its casual conversations and 'cutting-chai culture', the inception of this

consequential enterprise which would change the face of medical infrastructure in the country, began as the subject of a chance exchange, between a group of strangers, on an ad hoc afternoon...

The way the story goes is that Dr Mehta had dropped in at a city hospital at Girgaum, to check up on one of his patients, a wealthy Sindhi businessman, when he was introduced to some of his patient's friends and relatives.

'Why do wealthy Sindhis have to come to a hospital like this?' Dr Mehta, never one to mince his words, had asked 'You should have a Mayo Clinic of your own'.

This casual, off the cuff, and mildly provocative comment, by the renowned medical professional, to a group of strangers, had in fact, touched a chord in one of the men gathered in the room, on that consequential afternoon.

It was Seth Lokoomal Chanrai, the soft-spoken scion of a clan of successful and high-minded Sindhi businessmen, with interests across the world.

'Doctor Saheb, how much money do you think such an enterprise would require?' Seth Chanrai had asked.

Without much thought- and most likely eager to end the conversation and continue on his patients rounds- Dr Mehta recounts how he had conjured up the figure of 'Rupees 2 crores' from off the top of his head, to end the matter.

But no, in fact it hadn't been the end of the matter at all. Little did he know that Seth Lokoomal Chanrai and his wife Smt Jasotibai Chanrai, a childless couple, had been mulling over their legacy at that time and his remark had given Seth Chanrai an idea.

'Will you have dinner with me soon?' Seth Chanrai asked the surprised surgeon 'I am interested in what you said about building the hospital...'

And indeed, a few days later, the two men had met, where, in an astonishing gesture of munificence and trust, Seth Lokoomal Chanrai had presented a cheque of two crores rupees (a staggering amount at that time) to Dr Mehta, with the simple but galvanising words:

'Produce the hospital. You have full powers.

Do what you think is necessary'.

And that is how, casual conversation, peerless ambition and an unparalleled sense of adventure and altruism had led to the creation of India's first, private, 20-storied, tertiary care, multi-specialty Trust hospital- The Jaslok Hospital & Research Centre.

An aggregate of heightened human emotion

What is a hospital but an aggregate of heightened human emotion? A site where acute despair and momentous hope, prodigious strength and heart-rending vulnerability, palpable fear and unfaltering faith converge; where lives are created, nurtured, restored and lost; where doctors and surgeons are called upon to demonstrate the dint of their talent and prodigious learning, to alleviate pain and suffering and provide hope and healing to their fellow beings; where the entire display of what it means to be human, is witnessed daily over and over again, as if on a vast theatre of life itself.

Through the pages of this book, we hope we have brought some of these inspiring and edifying moments in the life of one such hospital, alive for you.

Through it, you will come across stories of medical breakthroughs and achievements, anecdotes of strength and resilience, of brilliant medical personnel, committed to the highest standards of excellence, of an impassioned administration, dedicated to serving the community and of trustees, unwavering in their resolve to ensure that the original, noble vision of Seth Lokoomal Chanrai and his wife Smt Jasotibai Chanrai, supported by Dr Shantilal Mehta goes from strength to strength.

An institution dedicated to excellence and spawned from the noblest of intentions, which after five illustrious action-packed decades, looks gloriously on to the next five.

You will come across moments of medical humour in the form of Dr Hemant Morparia's delightful cartoons, testimonials from grateful patients,

incidents of courage and compassion, anecdotes of poignancy and pathos and rarely seen, precious, archival photographs that tell the story of Jaslok Hospital:

An institution dedicated to excellence and spawned from the noblest of intentions,

which after five illustrious action-packed decades, looks gloriously on to the next five. Compiling this book has afforded me an unparalleled insight into the extraordinary heart of Jaslok Hospital and I hope reading it will do the same for you.



01



IMAGINING JASLOK

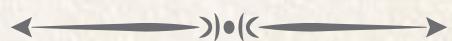


Mrs Kanta Masand
Chairperson

“

If everyone is moving forward together,
then success takes care of itself.

-Henry Ford



At the outset let me say how privileged I am every single day, due to the blessings of my forefathers and family, to serve my community and my city as Chairperson of Jaslok Hospital & Research Centre.

Dreams of my forefathers

I like to think that fortune favoured me, with a wink and a nudge, with the same birth date as my paternal grandfather Kewalram Chanrai (Dada Lokoomal's brother) in whose care I grew up and with whom I share many traits. He was disciplined, strict, parsimonious, dutiful and family-minded and it's ironic that I, his birthday twin, have been associated with the hospital for almost 30 years, first as Managing Trustee and now as Chairperson of this institution. But the story of Jaslok Hospital really begins with two young brothers Jhamatmal and Thakurdas who on a

sultry dry day in Hyderabad, Sindh, felt a strange gust of breeze, caught a wisp of something foreign and dreamt of something more than owning a simple cloth shop.

Their dreams carried them to Karachi then Bombay, then to distant faraway shores such as Malta, Morocco, Spain, Panama, Sierra Leone, Nigeria and Ghana, where they created a textile business that several generations later persisted, grew and flourished. That dream continued with Dada Lokoomal and Jasoti, who had no heirs, dedicating their entire fortune to a charitable hospital for the welfare of the people, the Jaslok Hospital that turns 50 this year.

MANISHA NATU

I am Manisha Natu, a 72 year old, resident of Thane, suffering from a liver ailment. Jaslok's Dr Arvinder Soin advised a Liver Transplant, as no other treatment could help my medical conditions. My daughter readily agreed to donate her liver. Dr Soin explained the procedure to us and assured us of good results and though my family was frightened about the outcome and my tolerance due to my age, I had complete faith in Jaslok Hospital and Dr Soin and readily underwent Liver Transplantation. My daughter who was the donor went home seven days later and I was discharged on day 15.

Making IVF technology accessible to all



Pooja and Abhishek Patil recently became proud parents of the 30,000th baby born at the Jaslok-FertilFree International Fertility Centre. The couple, who works in the medical sector, struggled with fertility issues for a long time and eventually sought help at this centre, which is known internationally for its fertility expertise.

The centre was one of the first IVF centres in India when it opened 35 years ago. Over the years, it has had several distinctions—it had South-East Asia's first ICSI baby in 1994, the first pregnancy in the world with Cumulus Aided Transfer in 2005, India's first baby using Testicular Sperm in 1996 and several firsts in genetics.

Dr Firuza Parikh (Director, Jaslok-FertilFree) says, "Our entire team welcomes baby Patil. Her birth is the result of our

Jaslok-FertilFree has treated infertile couples from every state of India and over 60 countries. In several surveys, it has ranked as the Best IVF Centre in India and Dr Parikh is considered among the top 10 doctors in India across all specialities. In 2019, The ET Healthcare Fertility Awards placed Jaslok's IVF team as the Most Integrated Team and the Best IVF Clinic in India and awarded Dr Parikh the icon of IVF Award.

She adds, "Our team is proficient in treating couples who have had multiple IVF failures before approaching us. Being in the field of IVF for more than 36 years, I have seen the science of IVF evolve at an incredible pace and feel privileged to be a part of this journey."

Having a strong presence in genetics and reproductive medicine and having made significant contribution to the field of pre-implantation genetic testing, Dr Parikh plans to help parents have children free of common genetic disorders.

George Alex (COO, Jaslok Hospital) says, "We have introduced several state-of-the-art technologies such as Artificial Intelligence (AI) to improve pregnancy rates by capturing static pictures of embryos."

"Our vision is to make IVF accessible to all."

OUR ENTIRE TEAM WELCOMES BABY PATIL. HER BIRTH IS THE RESULT OF OUR TEAM'S EFFORTS OVER 33 YEARS
— Dr Firuza Parikh



Our source of inspiration: Trustees of Jaslok Hospital

HEROES OF JASLOK



Brijnandan Kumar
Department: Security
Joined: 1994

In 1993, when the communal riots were raging and we were stuck in the hospital for seven days, Jaslok Hospital looked after us in terms of food, stay, and mental happiness. We were very scared but the entire team at the hospital gave us courage and support.

Thank you Jaslok Hospital and may god bless Jaslok Hospital.

The Moment Presents Itself

In every successful enterprise there is some aspect of serendipity that comes from the heavens above and it was the same with Jaslok Hospital. While the founders were seeking to leave behind a legacy,

Dr Shantilal

Mehta came into their lives and presented them with an almost preordained offer, to conceive

and establish a charitable hospital offering patients all the technology, medical excellence and care that any institution abroad could offer and more. A few years later the dream was born.

In every successful enterprise there is some aspect of serendipity that comes from the heavens above and it was the same with Jaslok Hospital.

That moment symbolises so much to me, the respect a woman of her stature had for time, the rush to make a difference, the urgency of the job ahead of us.

I hope that is the kind of hospital we have created - where ordinary people of any caste, creed or

colour can expect to be respected and treated the same, no matter how distinguished or important their doctor or fellow patient may be; where we are motivated to move ahead, make a change and maybe defy the common wisdom, the naysayers, those without a dream.



On July 6, 1973, I was heavily pregnant with my second child as I entered the hospital for the inauguration. Prime Minister Indira Gandhi was our distinguished Chief Guest. A stickler for time, Mrs Gandhi was running late due to the infamous traffic on Peddar Road, so she hurriedly ordered her driver to stop the car and she ran across the road by foot - much to the horror of her security guards.

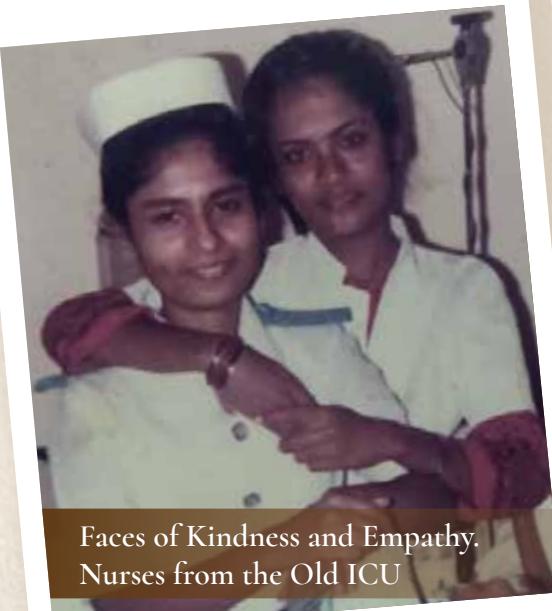


Celebrating 25 years of Jaslok Hospital

I Have a Dream

What do these historic and familial antecedents of the hospital have to do with anything? I feel it is only in looking back to the past that we can really understand the future. I hope when we look forward to Jaslok Hospital's future that we always remember the restless urges, the bold ambition, the sultry desert air of Sindh that impelled my forefathers to strike out, take a chance and dream big to make a difference in the world.

We must always remember the brotherly bonds, the familial ties and the trust and respect they had for each other, that kept the family enterprise together and thriving for over 160 years. We must always remember the philanthropic instincts, the sense of community, the giving back to society, that motivated the origins of Jaslok Hospital. And finally, we must remember



the storms they weathered, whether personally or in their entrepreneurial pursuits, that only made them more boldly ambitious, to rise again another day.

A COUPLE OF GOOD PEOPLE

What happens when two of the most celebrated medical professionals in their fields happen to work at the same hospital? The case of one such couple is an instance. Both directors of their separate departments and workaholics to boot, it is naturally rare that they find they can depart the hospital together after work.

But when one such serendipitous evening presented itself and the couple was waiting for their car at the hospital's lobby, late one evening, the husband recalls hearing a small commotion at the gate; on enquiry it was found that the hospital's doorman was attempting to dissuade a tired-looking, middle aged couple, dressed in rags, from entering the premises. Having a prior commitment to attend, he recalls agreeing to his wife's suggestion that he leave, while she enquired further into the matter.

What transpired was that the tired couple had arrived from deep within the hinterland of India, having undertaken an arduous journey, clutching a faded news-clipping describing the path-breaking work conducted by the hospital's department for assisted reproduction.

Now here they were, without appointment and their good luck had ensured that the head of the very same department had intervened on their behalf to allow them in. Tired herself, but seeing their condition, she invited the couple to her clinic upstairs, where she arranged for tea and biscuits and heard to their story.

'We have come to you as a last hope for a child' they told her 'And we have brought lots of money too.' At which they opened their ragged bundles and produced a few thousand rupees in crumpled, sweaty notes.

Ever the humanist, the good doctor did not mention that the costs for such an intervention would be far greater, but assured them that she would be on board to help. Then when they left assured and hopeful, without hesitation she called up her friend a doyen of India's corporate landscape and an ardent philanthropist and explained the situation to him. As she'd expected, he offered all financial assistance.

Of course, this whole process stretched over few months and the couple finally went home with their dreams fulfilled, in the form of twin bundles of joy.

(And of course, by the time she had returned home, having done one more good deed quietly and without fuss, her husband was fast asleep and none the wiser for the saga.)



A HISTORICAL PERSPECTIVE

“

A small body of determined spirits fired
by an unquenchable faith in their mission,
can alter the course of history.

-Mahatma Gandhi



Jaslok Hospital & Research Centre's golden jubilee milestone provides an opportunity to review the past, understand the present and ensure an even more productive future while retaining the core values that the hospital is predicated on.

Over five decades ago, Jaslok Hospital's founders, Seth Lokoomal Chanrai and his wife Smt Jasotibai Chanrai recognized the need for a private hospital in Mumbai, which met the highest international standards and Dr Shantilal Mehta, a General Surgeon was given the prospect to translate this vision into reality.

To actualize this need, Dr Mehta visited the finest medical centres across the world as well as the leading international manufacturers of medical equipment. Drawing on his interactions with medical personnel and senior administrators, as well as on his own rich experience as a surgeon, teacher and administrator, Dr Mehta laid the medical and academic foundations of the hospital.

Seth Lokoomal Chanrai provided the financial means for establishing the institution based on these principles. His practical knowledge of



Dignitaries on the dais at the inauguration

international business and finance and his network of associates across the world, were of enormous support in bringing in the best equipment to India.

The mutual respect and trust between the two men ensured that plans were swiftly considered, sanctioned and executed.

An Emphasis on Humanity and Compassion

Smt Jasotibai Chanrai established the ethos of the institution. There is an inspiring recollection of her humane and compassionate nature, that Dr Mehta used to recall, of those precious days, when their collective dream was still under construction.

'I have a vivid memory of a great lady for whom I have very high respect, the late Smt Jasotibai Lokoomal Chanrai, wife of the donor of the Jaslok Hospital. She was seriously ill and I was accompanying her home from St Elizabeth Nursing Home in an ambulance. She requested me to take her to Jaslok Hospital, which was then under construction.

"Let me see that temple before I go home," she said. As she could not walk, we brought a stretcher. In front of the temple, she told me:



MAMTA VASANT

My 73 year old sister-in-law Chandrika was suffering from ulcers since the last 9 years. I brought her to Jaslok Hospital as I have deep trust in the hospital. After a biopsy, she was detected with rectal cancer. Dr Advani suggested few radiation therapies and then asked us to meet Dr Vishnu Agrawal. Dr Vishnu advised Robotic Surgery considering Chandrika was very old and extremely fragile. The surgery went well and today she is living a very normal life.

HEROES OF JASLOK



Jayashri Kaushal Thakur
Department: Nursing
Joined: 1993

Words are not enough to explain my experience of working at Jaslok Hospital. It has always treated me with humanity, care, and concern.

My profession was born and has grown at the hospital and with each and every step I have received love and support, just like what my parents gave me; which is why I call Jaslok Hospital my 'mayaka' (mother's home), where we always feel comfortable and appreciated for the work we do. From the bottom of my heart, I wish Jaslok Hospital to prosper.

“

“Beta, give me a promise that in this hospital created by Dada (her husband, Seth Lokoomal Chanrai) you will see that a free patient is never treated with disrespect, courtesy or differently from the rich patient who

pays you.” And so, on that day, Dr Mehta had given his solemn promise, a promise that has been kept to this day, decade after decade, patient after patient.

Gathering the Best and the Brightest

Given their commitment to creating a hospital to the highest standards of medical excellence, Dr Mehta began the process of recruiting key members of his team.

One by one, heads of departments were invited to join the hospital. No one had to apply. In an unprecedented practice of cherry-picking, they were chosen after researching their careers, achievements and publications. Some even relinquished appointments abroad to join Jaslok Hospital. The success of this measure can be estimated in the departments that were set up in rapid succession, headed by some of the most renowned names in their fields: Gastroenterology: Dr Hiralal G. Desai; Laboratories: Dr P. R.

Krishnaswamy; Medicine and Nuclear Medicine: Dr R. D. Lele; Nephrology: Dr M. K. Mani; Neurology: Dr Noshir Wadia; Neurosurgery: Dr Gajendra Sinh; Orthopaedics: Dr J. C. N. Joshipura and Plastic Surgery: Dr Noshir H. Antia.

Meanwhile, efforts were also made for a strong administrative foundation: Dr T. H. Rindani, the Dean of the Seth Gordhandas Sunderdas Medical College and King Edward VII Memorial Hospital (GSMC-KEMH) was approached by his former teacher, Dr Mehta, with the unusual request that he seek premature retirement and join him to administer the upcoming hospital. As he weighed the pros and cons, respect for his esteemed professor prevailed and he was appointed Joint Medical Director and Director of Research of the hospital. Similarly, excellent nursing standards were laid down by Sister Bivalkar, the hospital's Assistant Matron. The medical records department was developed by Messrs Masurkar and Mhatre, who, at the behest of Dr Rindani, had retired from GSMC-KEMH to join Jaslok Hospital. New ground was broken when IBM data processing machines and Bradma equipment to print out patient details on case sheets were imported on their recommendation.

MUNIFICENCE MEETS PRACTICALITY

The stories about Jaslok's founding father Seth Lokoomal Chanrai's munificence and remarkable commitment to achieving excellence, are as legendary as those of the practicality and prudence of Jaslok's other founding father, Dr Shantilal Mehta. Once the celebrated surgeon had taken up the former's challenge of setting up the best tertiary care hospital in the land, he was taken to its demarcated site, where a 16- storied structure meant to serve as a hotel, had already been constructed as part of an upcoming Chanrai business venture. “Should we pull it down and rebuild it to the specifications of a hospital?” Seth Chanrai is said to have asked Dr Mehta. But Dr Mehta, ever the pragmatist, had put his foot firmly down. “We are already in our mid and late 60s” he reminded the philanthropist. “If we pull down the structure and start rebuilding it from ground up- there's a good chance that it might not be completed in our lifetimes!”

Early Days

Jaslok Hospital which was one of the only private health care options in the country when it launched, brought the quality of international care to the doorstep of India and allowed Indians to receive quality world-class care.

It began with a combination of full-time and part-time consultants, who were academically oriented and

developed scientific practices of medicine and research. Their emphasis on clinical and academic excellence and the provision of appropriate equipment of the highest quality, laid the basis for rapid escalation in the reputation of the hospital.

Jaslok Hospital which was one of the only private health care options in the country when it launched, brought the quality of international care to the doorstep of India.

From Strength to Strength

Over the years, the hospital has had many firsts to its credit. Outstanding clinicians and laboratory experts have spearheaded novel procedures and techniques that served as examples to other hospitals in the country. Frequent training sessions have been organised. Discourses and examples on

the methods by which meaningful research can be carried out, results analysed and put up for publication in indexed journals, have helped advance India's contribution to medical excellence. Very soon, the hospital and its laboratories were recognized as training centres for MSc and PhD by the University of Bombay.

Later, clinical departments were recognized for training for the Diplomate National Board (DNB) qualification.

What's more, the hospital has a longstanding program to assist in the continuing medical education of general physicians and consultants outside the hospital. Its staff members hold periodic meetings with talks, symposia and demonstration of new techniques and its consultants continue to innovate and practise the latest developments, making it a leader in its field.



Key Members of the original neurology team



PM Indira Gandhi, along with Maharashtra Governor Ali Yavar Jung and Mrs Jung, Dr Shantilal Mehta and other dignitaries, at the inauguration of the hospital

The hospital has expanded considerably with the addition of departments and equipment over the decades. There has been a consequent improvement of services offered to patients. The Covid-19 pandemic necessitated the creation of a separate building where infected patients were isolated and treated. Jaslok Hospital became India's first hospital to create a separate building devoted to Covid-19 and the first to implement a Covid protocol.

A Promise Made Is a Promise Kept

What is most heartwarming, is that along with these instances of excellence and innovation, Smt Jasotibai Chanrai's commitment to serving the

poorest and most needy of patients has endured, along with the promise made to her by Dr Mehta.

Dr Sunil Pandya, erstwhile Consultant of Neurosurgery provides a moving example: 'On the very first day of my joining the hospital, as I sat in the consulting room, I saw a poor patient who needed admission and surgery for a brain tumour. I requested his admission and treatment free of cost. Although I had not yet admitted a single paying patient, the man was admitted immediately, operated and sent home without any fees taken.'

Indeed, if the past fifty years are an indicator, Jaslok Hospital has a long and bright future.





Dr Shantilal Mehta

Tenure:
1972 - 1985

Renowned surgeon, man responsible for fulfilling the dream of Jaslok Hospital by our Founder.
First Medical Director of Jaslok Hospital.



Dr N H Wadia

Tenure:
1972 - 2016

One of the most respected neurologists in India & across the globe. Established one of the finest departments of neurology in the country at Jaslok Hospital. A legend.



Dr H G Desai

Tenure:
1972 - 2014

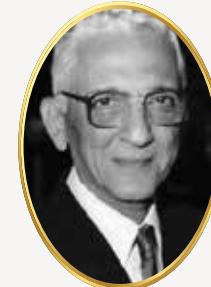
Established the highly respected Department of Gastroenterology at Jaslok Hospital. The father figure of gastroenterology medicine in India.



Dr Gajendra Sinh

Tenure:
1972 - 2013

Established the excellent Department of Neurosurgery at Jaslok Hospital.



Dr H.M. Dastur

Tenure:
1993 - 2015

Easily the finest neurosurgeon in the country. Took the Department of Neurosurgery at Jaslok Hospital to great heights.



Dr J C N Joshipura

Tenure:
1972 - 2010

Founded the Department of Orthopaedics.
One of the backbones of Jaslok Hospital for decades.



Dr Kuldeep Singh Goleria

Tenure:
1990 - 2015

Strengthened the Department of Plastic Surgery with highly complicated joint plastic & neurosurgical reconstructive surgery.



Dr Dinshaw Doongaji

Tenure:
1973 - 2023

Established the reputed Department of Psychiatry at Jaslok Hospital.



Dr Kamal Alimchandani

Tenure:
1973 - 2015

The architect of the Department of Gynaecology and Obstetrics at Jaslok Hospital.



Dr Narendra Pandya

Tenure:
1973 - 2015

Plastic surgeon responsible for the Department of Plastic and Reconstructive Surgery.



Dr Ajay Chitnis

Tenure:
1992 - 2015

Man behind present Department of Chest Medicine at Jaslok Hospital.



Dr V Dilipkumar

Tenure:
1976 - 2015

Established the great Department of Radiotherapy at Jaslok Hospital. Well respected in India & the Middle East.

An Intensive Approach to Empathy

Empathy is an essential quality to bridge the gap between medical science and patient care.

From the security at the entrance, to nurses in the wards, from the junior doctors in training, to the head of departments, from the administrative staff, to the clerks on every floor, every member of Jaslok Hospital insists on patient-centred care and patient-centred practices.

The hospital has an unbeatable combination of professionalism, facilities, technology, skill, compassion with the human touch! And all this in the heart of the city, with a most convenient location.

Empathy is an essential quality to bridge the gap between medical science and patient care.

As is widely acknowledged, the intensive care unit of Jaslok Hospital is its pride. Being famous for its cutting-edge care, often patients across the country opt to get shifted here for the most challenging of ailments.

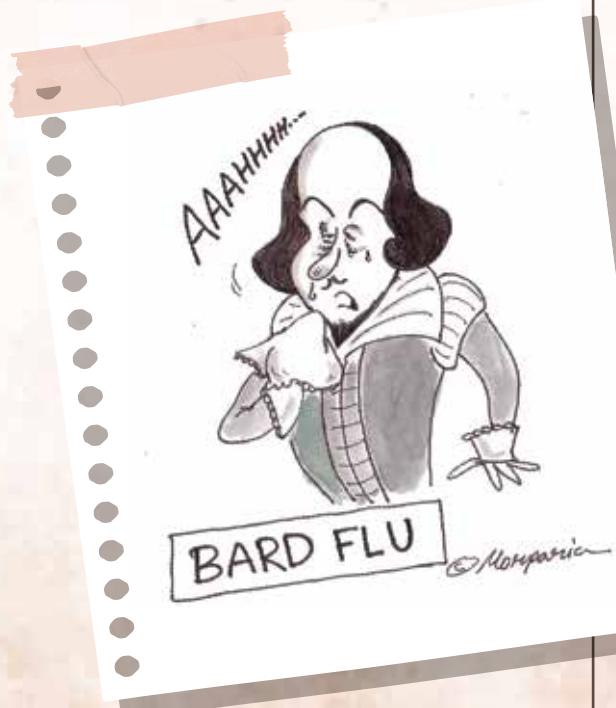
While walking through this intensive care unit, one often sees a nurse lovingly urging a patient to have one more bite from the plate of rice and lentils, to improve his nutrition.

One often sees a ward boy holding a spittoon for the patient, while gently rubbing his back to reduce their flurry of coughing. One often comes across doctors sitting with the patient's family in the counselling room, after their duty hours, while holding a box of tissues.

These softer aspects of the hospital are ingrained into the very fabric of the hospital and its staff.

HIS BROTHER'S KEEPER

And once it transpired that a very powerful local leader was admitted for an emergency angioplasty to the hospital. Amongst the thronging crowd of relatives and friends who accompanied him, there was one particular man who kept telling the doctor that 'only the best treatment should be afforded to the patient' and 'that no efforts should be spared to get him the best treatment and that money was no issue.' He also kept enquiring if 'Bhai' had called the doctor and if he'd managed to speak to 'Bhai'. Irritated by the man's persistence the doctor enquired who 'Bhai' was. Imagine his horror when the name the man mentioned was that of India's most feared gangster!





Being a sport Jaslok Hospital style

Centre of Compassion and Inclusivity

Jaslok Hospital has a long and rich history of providing high-quality healthcare services to patients from all over the world with an impeccable reputation for excellence and patient satisfaction.

Various departments have thousands of success stories, big and small. Whether it is a patient going home after dengue fever or a cataract surgery, or recovering from a quadruple bypass surgery, or a liver transplant, or young children with life threatening dystonia, recovering after

being treated by deep brain stimulation, every cadre of patient in the hospital is met with the highest quality of care. Every department pushes the limits to stay ahead of the curve, keeping updated with global health care, staying on the frontier of research as well as passing it forward to the next generation of doctors in training, so as to maintain a legacy of health care.

Jaslok Hospital also enjoys the reputation for having its doors open to all patients – irrespective of caste, creed, gender, social status and economic background.

AMARDEEP SINGH

My mother Surinder Kaur was suffering from seizures since the last three years. We consulted many doctors in Ludhiana, but to no success. We also consulted doctors in Singapore and Australia online. Later we even consulted doctors in Mumbai as well, but were not satisfied with their responses. Finally, Jaslok Hospital was suggested to us by one of my aunts who stays at Borivili and we came to the hospital and met Dr Deepu Banerji, who after a few medical tests mentioned the possibility of a Brain Tumour. Naturally, we were worried, but my mother was operated on as that was the only resort. But just 10 days after the surgery our fears were put to rest, when she was able to travel back to Ludhiana. Apart from having the best doctors, Jaslok also has a well-trained nursing team and other paramedics. All the departments in this hospital are very cordial and I would recommend people to come to this hospital if they ever fall ill.



HEROES OF JASLOK



Amit Ghanekar
Department : Security
Joined: 2004



My wife is a blood pressure patient. During her multiple pregnancies, she was a high-risk case, and my thanks to Dr Danny Laliwala who brought my wife and kids to safety and health.

One of my great experiences at the hospital was meeting Sachin Tendulkar when his father was admitted.

It is wonderful working here and we wish Jaslok Hospital keeps continuing the employee-friendly atmosphere in the years ahead!

A Generational Friend of the Family

Thus, it is not uncommon for generations of a family to have their treatment at this iconic hospital. The following story is an example: A young lady gave birth to twins in Jaslok Hospital even while her mother-in-law was being treated for lung cancer at the same time on another floor.

Meanwhile, the lady's husband had already been treated for dengue fever six months earlier and later that year, her young cousin would have a bone marrow transplant at the same hospital, while her brother would come rushing in for discomfort from a kidney stone. As if this were not

enough engagement with the hospital, four years later, after delivering her third child, the same lady's 95-year-old grandmother would come in for spine surgery and her uncle would have parathyroid surgery and later an emergency procedure for a heart attack!

This is but one story of a family whose generations have been treated, nurtured and ushered and restored through illness and health, sorrows and joys, hope and despair. Just one family among thousands, which knows that the only hospital for them is the hospital that cares: The Jaslok Hospital.





Jaslok
is the
Best

Jaslok,
always there
to care

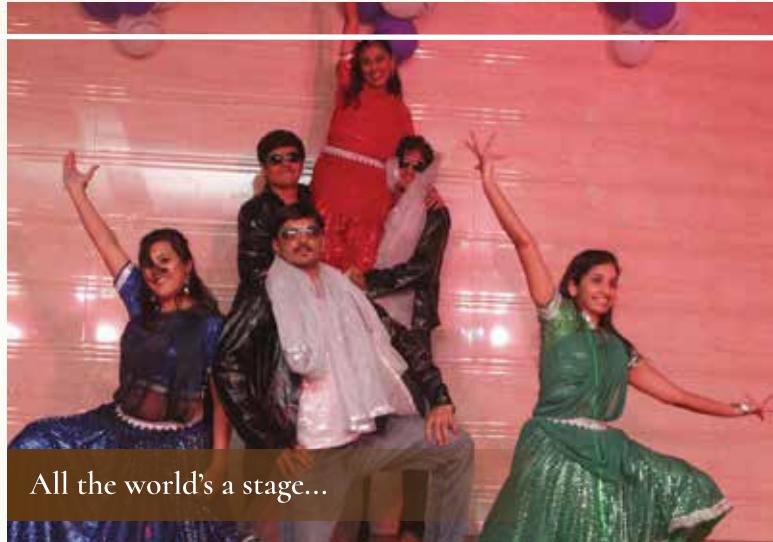
Jaslok,
a great place
to work



THE JASLOK FAMILY



04



OUR JEWELS: CENTRES OF EXCELLENCE

“

Perfection is not attainable,
but if we chase perfection we can catch excellence

-Vince Lombardi



RENAL SCIENCES

Department of Nephrology and Kidney Transplantation

The department is amongst the oldest nephrology services in a private care setup in western India. For decades, it has been one of the busiest transplant centres in western India, currently performing 120 kidney transplants annually. Thousands of dialysis sessions are performed every month which include hemodialysis, Slow Low-Efficiency

Kidney transplantation at Jaslok Hospital & Research Centre began in 1974 and more than 3,000 transplants have been performed till date.



Dialysis (SLED), Continuous Renal Replacement Therapy (CRRT) and peritoneal dialysis. The hospital was the first centre to start electron microscopy in a private setup.

Kidney transplantation at Jaslok Hospital & Research Centre began in 1974 and more than 3,000 transplants have been performed till date.

Jaslok Hospital has been a pioneer in ABO-incompatible transplantation in India and more than a quarter of the current annual transplants are across the blood group.

Other highlights of our kidney transplant program include kidney-paired exchange, transplantation in children, patients with abnormal bladders, hepatitis B, hepatitis C, Human Immunodeficiency Virus (HIV), and robotic and laparoscopic donor nephrectomy surgeries.

HEROES OF JASLOK

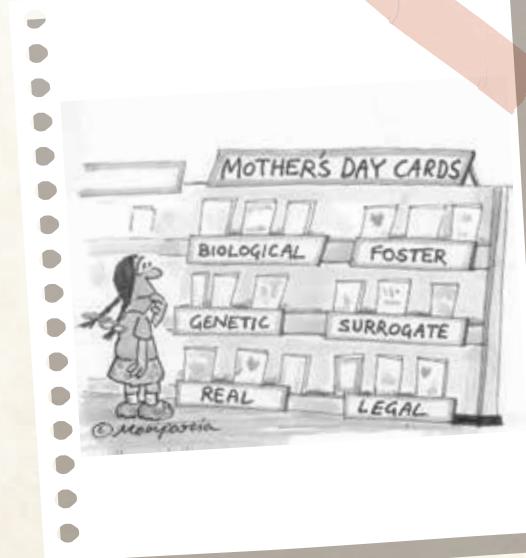


Rambabu Latorilal Rohandiya
Department: Housekeeping
Joined : 1994

A 15-year-old patient was given a kidney by her mother. She did extremely well and I was a witness to the immense emotions in the family. I will never forget that experience.

My best wishes to Jaslok Hospital and appreciation for the staff members who have cared and continue to care for patients.

“





Jaslok Hospital's biggest strength is its long term follow up of transplant patients over 44 years, which gives it a rare depth, contributing to patient care.

The department's remarkable landmarks in the field of kidney transplantation include achieving the first deceased donor transplant in a private hospital in India in 1974, boasting the longest surviving kidney transplant - 44 years - done in

1976 and also the first successful swap transplant in India in 2006.

Other achievements have been the longest surviving kidney and bone marrow transplant recipient; the oldest transplant recipient in the world who is now 99 years of age and being among the centres with the highest series of ABO-incompatible, high-risk transplants done in India.

SEX: NO BAR

A transgender person complained of severe breathlessness while performing his routine prayers one morning. On investigation, the diagnosis of severe aortic stenosis was made. Due to the social stigma faced by their community and a severe immunodeficiency, they were refused life saving surgery by other institutions. But at Jaslok Hospital and Research Centre, the patient was offered the novel TAVI (Transcatheter aortic valve replacement) procedure, where the valve would be changed from the arteries in the groin. The Jaslok TAVI team performed the procedure successfully - the first TAVI in the country on a transgender person and as a humane gesture, the hospital waived off the entire bill of the patient, as a gesture to support the community, which had been long discriminated against by society. Subsequently, several members of the transgender community blessed the hospital and the Jaslok TAVI team for their selfless efforts. Months later, the patient extended an invitation to the TAVI team to attend the pooja at the temple where they were a central part of the ceremony.



City going in for incompatible ops

Man Donates Kidney To Wife With Different Blood Group

TRANSPLANT MARVEL

Transplants of kidney are carried out between donors and recipients with the same blood group. If their blood groups are incompatible, antibodies in the recipient's blood will reject the donated kidney. In countries such as Japan, South Korea and the US, and now in India, incompatible transplants are carried out after the antibodies in the to-be-receiver's blood are removed before a transplant. Chances of rejection of the organ are also lowered.

Antibodies in the to-be-receiver's body are removed to prevent the donor's kidney from being rejected. This is done by giving Immunosuppressive drugs to suppress antibody production. This process is called plasma exchange or plasmapheresis.

The only drawback for incompatible transplants is the high costs and the high-dose treatments.

Over 1000 kidney transplants are carried out every year. This is comparable with heart transplants rates," he added.

Dr Srinath Polkariyal

from Gurgaon-based Medis

nat Hospital, which has

started offering incompatible

transplants, concurred.

"Corticosteroids don't get a

chance. They do not even get a

chance. Kidney transplants

(when kidneys between two

sets of donor recipient pairs

are swapped on basis of

blood groups," he said. "But

now we leave them on that

is knowing they then have a

lower chance of survival rates," he said.

The only drawback, as

doctors, in the high costs. "It

is almost double the cost

of heart transplants, but it is

the long run, more economic

and healthier than heart

transplants," he added. Dr Polkariyal

Department of Urology

Established in 1973, the Department of Urology, was the first of its kind to be set up in a private hospital and since 1988 is the first urology department in a private hospital dedicated for preparing students for their Diplomate of National Board (DNB) examinations. It has been a pioneer in the field of endourology along with complicated open urological surgeries. In 1989, it established the stone clinic endourology facility.

It has also been the first private-teaching hospital to introduce lithotripter techniques of Percutaneous Nephrolithotomy (PCNL), Ureteroscopy Lithotripsy (URS) and flexible URS

Its Da Vinci Robot is a boon in the treatment of uro-oncology, offering more precision and faster recovery.

and has a dedicated unit for metabolic workup of patients with urinary stones.

In 1989, the department offered andrology to patients with infertility who are being treated by Jaslok Hospital & Research Centre's Department of Assisted Reproduction.

It has experience in treating genito-urinary tumours in collaboration with the Departments of Interventional Radiology and Oncology. Its Da Vinci Robot is a boon in the treatment of uro-oncology, offering more precision and faster recovery.

A DATE TO REMEMBER

And sometimes, happy coincidences remind us of how precious life is. An 84-year-old recently celebrated his birthday in the dialysis unit with great gusto, when he realised that it also coincided with the 8th anniversary of his being on successful dialysis at the hospital.



Dancing Queens ...

HEROES OF JASLOK



Prakash L Rahate

Department: Civil Engineering

Joined : 1991

“

My daughter-in-law was critical with a lung infection. We had lost all hope. Dr Nimish Shah treated her at Jaslok Hospital and in eight days she was back on her feet.

I am happy from the day I joined Jaslok Hospital, when I was penniless, till now, when I am blessed with three houses.

My good wishes for the hospital.

Laparoscopic urology was established in 2002. The department established the first subspecialty of neuro-urology and a pelvic floor clinic, 16 years ago.

The Department of Urology is one of the first departments in the country to start penile

prosthesis, Artificial Urinary Sphincters and Sacral Neuromodulation for bladders. It has also worked closely with the departments of Urology of Stanford, Harvard and the Universities of Tubingen & Maastricht (Europe) and Bristol (UK).



ONCOSCIENCES

Department of Medical Oncology

The department was envisaged 35 years ago by Dr Suresh H. Advani, considered the father of medical oncology in India and the recipient of a Padmabhushan, India's third highest civilian award, in an era when medical oncology was in its infancy and an unknown specialty. Jaslok Hospital & Research Centre's trustees and

research pioneers took a bold step by being one of the first non-governmental hospitals to set up a separate and dedicated department for medical oncology. The department grew gradually with the help of the best oncologists in Mumbai and its famous state-of-the-art technology.

Currently, it has ten world-class trained consultants along with a specialised nursing staff resident staff and six secretarial staff members to handle chemotherapy and bone marrow transplants.



The department grew gradually with the help of the best oncologists in Mumbai and its famous state-of-the-art technology.

GOODBYE PIPE

A 92-year-old Parsi gentleman underwent a deep brain stimulation surgery for his uncontrolled tremors of head and neck. He had been suffering for almost a decade with these severe tremors and the misery made him agree to undergo brain surgery at this age. Immediately postoperatively, his tremors were fully controlled and when asked how he was feeling, the first statement he said, in his typical Parsi style of humour, was, 'Goodbye pipe'. He was referring to the straw which he had been forced to use until then, for the purposes of eating and drinking on account of his tremors.

HEROES OF JASLOK



Sanjay Narvekar
Department Billing
Joined : 1985

“ ”

My daughter was ill with jaundice on the sixth day of her birth and she was miraculously saved by Dr Amdekar. A few years later, she had a bad fall but was treated at Jaslok Hospital.

I thank Jaslok Hospital for saving my daughter's life not once but twice.

Jaslok Hospital is a temple and may it grow in leaps and bounds.

The department provides diagnosis and treatment for a wide range of cancers such as leukaemia, lymphoma, neuroendocrine tumours, colon, breast, gynaecological, prostate and lung cancer, to around 300 outpatients in the Outpatient Department (OPD) and to approximately 350 inpatient admissions every week.

It has pioneered the concept of a separate 'Day Care' ward, to administer short chemotherapy, targeted therapy and supportive treatments. It also pioneered the concept of specialised

chemotherapy nurses who are trained to take care of cancer patients.

Jaslok Hospital is the first hospital to start Bone Marrow Transplants (BMT) / stem cell transplants in the private sector in India in 2002. The department has successfully performed 600 allogeneic (sibling-matched, haplo-matched, matched unrelated transplants and autologous bone marrow transplants) to date. The BMT Unit has a one patient /one nurse ratio. The nurses are specialised and trained in BMT.

The strength of the department lies in the experienced and skilled doctors, advanced technology and support staff who help diagnose, treat, cure and support the families of the patients.



THE HAND OF FATE

As a veteran of Jaslok Hospital & Research Centre, the 84-year-old Dr A. B. Mehta, Director of Cardiology, had been interviewed by Dr Shantilal Mehta for a position in the upcoming hospital a year before its completion. As coincidence would have it, on the very same day of his interview, Seth Mathuradas Asoomal, a close friend of the hospital's founders and the man who'd helped get the project off the ground, suffered a heart attack at the site of the proposed hospital. In the absence of his family doctor, while searching for an alternative, the bio data of the young cardiologist he had just interviewed caught Dr Shantilal Mehta's eye. Fortunately, the cardiologist was at his office nearby, when the call had come in and he was able to rush back to help admit Seth Mathuradas to the nearby Breach Candy hospital. But it seemed as if fate was playing a hand in his appointment. It so transpired that the family doctor could not attend to Seth Mathuradas, due to some prior commitment which took him out of town and Dr A. B. Mehta had to spend a considerable amount of his time with him. Such was the success of his treatment, that even as his patient steadily recovered, he received his appointment letter. By the time Seth Mathuradas returned home after two weeks, Dr Mehta had already been ensconced in Jaslok Hospital and had begun his illustrious practice.



Department of Radiation Oncology

The department was started in 1974 and has been doing exemplary work in its field for the past 49 years.

Helmed by Dr Dilip Kumar Vasi Reddy, MD and Emeritus Professor, (also credited for running the first of its kind successful radiotherapy department in a private hospital) who was Head of Department from 1976 till 1997. Its modernization took place between 1997-1998, with active support from the hospital's trustees.

The department has achieved several milestones over five decades with many firsts to its credit, such as offering preloaded radium applicators for

The department has achieved several milestones over five decades with many firsts to its credit

brachytherapy, superficial and deep X-ray therapy, and telecobalt machines, conventional simulators and first X knife linear accelerator for radiosurgery, as far back as 1997-1998. In 2007-2008, it was one of the first in the country to get image-guidance CT scan based imaging for radiation delivery.

The pace never slackens. The department's latest

linear accelerator acquisition TRU-BEAM-STX system version 2.7, delivers a precise dosage quickly and is designed to treat cancer wherever it's found in the body; it comes with tools for advanced image-guided radiation therapy (IGRT), capabilities like Respiration-synchronised MV/kV radiographs, 4D CBCT, Iterative CBCT and Triggered Imaging, which have greatly enhanced the treatment of cancers in patients.

NOT CAPES, BUT SURGEON'S COATS

That doctors are superheroes is a widely acknowledged fact. But consider the heroism of this dashing young Jaslok doctor, who having survived a chilling motorcycle accident and undergoing two surgeries, along with many hours of physiotherapy, returned to his place of work just a few months later, to don his surgeon's coat and perform a complicated spine surgery on another patient!



Department of Surgical Oncology

The Department of Surgical Oncology at Jaslok Hospital & Research Centre was established in 1973, along with the radiation oncology department. Since then, it has progressed by leaps and bounds and today offers surgical expertise for all oncology cancers through excellent teamwork and has specialists in each field of surgical oncology including head & neck cancers, breast cancers, colorectal cancers, thoracic (oesophagus, lung and mediastinal cancers), gynaecological cancers, uro-oncology and bone and soft tissue cancers.

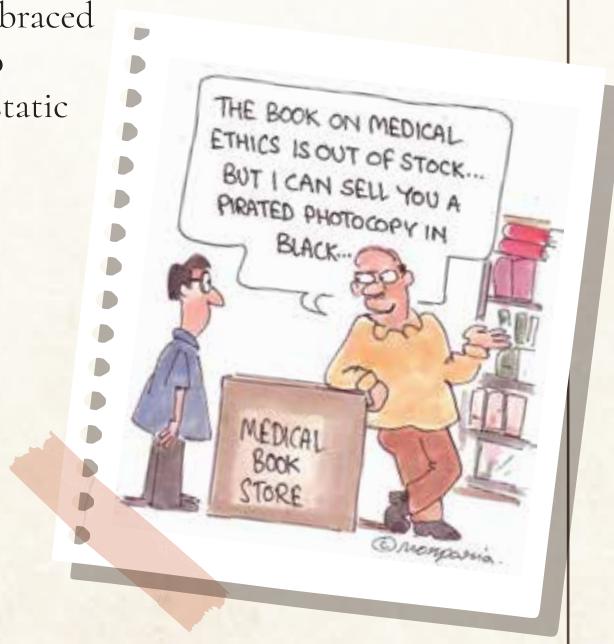
When surgery is the only option for the patient, Jaslok Hospital offers the best in both human and robotic surgeries. On an average Jaslok Hospital performs approximately 500-600 cancer surgeries annually. All types of malignancies are treated at Jaslok Hospital with mortality and morbidity rates equal to international standards.

On an average Jaslok Hospital performs approximately 500-600 cancer surgeries annually.

The hospital has a well established tumour board, where detailed discussions on diagnosis and treatment protocols are done by surgical, medical and radiation oncologists. The best treatment option for every patient is arrived at by consensus according to international guidelines.

Patients with malignancies of the head and neck region regularly undergo complex microvascular reconstructions at Jaslok Hospital for better patient functionality and cosmesis. With breast cancer cases being increasingly diagnosed at an earlier age and with many patients desiring a good cosmetic outcome, the department has been offering reconstruction along with primary surgery. Thus, it helps patients to achieve all round physical, psychological and cosmetic outcomes.

Recently the department has also embraced robotic technology which allows it to perform colorectal surgeries and prostatic surgeries with reasonable ease.



CARDIAC SCIENCES

Department of Cardiology

In 1974, with the aim of bringing state-of-the-art cardiac care to India's doorstep, Jaslok Hospital & Research Centre set up a full-fledged cardiac catheterization laboratory with latest hemodynamic management.

Dr Ashwin Mehta and Dr Munshi developed the art of coronary angiography. In 1988, the Jaslok Hospital team rolled up its sleeves to offer coronary angioplasty and has never looked back since. In May 2002, it was the first in the country to offer Drug Eluting Stents.

The department is renowned for launching a program called Code PAMI whereby if any patient came to Jaslok Hospital with an acute heart attack, he/she would receive an angioplasty in less than 60 minutes.

The cardiothoracic surgery department at Jaslok Hospital has the reputation of performing the most complex bypass and valve replacement surgeries, with top-of-the-line equipment in patients of all age groups, from neonates to octogenarians. Several heart transplants have also been done successfully here.

The most recent feather in Jaslok Hospital's cap has been its Structural Heart Department, which offers valve replacements without open heart surgeries through procedures like Transcatheter Aortic Valve implantation (TAVI) and Caval Valve Implantation (CAVI).



World takes note as Jaslok medics dazzle

PATIENTSPEAK

Usha Khandelkar (64)

I was suffering from severe bouts of breathlessness. When we consulted a cardiologist, he referred us to Jaslok. I was a bit apprehensive when informed about the rare anomalous origin of the artery. I am happy the operation went well. I am feeling much better and am eager to go home.

Rajendra Sangwan (45)

I had full faith in the doctors. And had no scare whatsoever while being operated. And

Usha Khandelkar's angiogram: 80% block in the left artery before angioplasty, 0% block after stent deployment using angioplasty.

Continued



Issues Close to the Heart

NITI MEHTA ATTENDS A COURSE ON LATEST TREND IN BALLOON ANGIOPLASTY AND FINDS IT A 'HEART'-OPENER

Coronary Angioplasty

Coronary artery bypass grafting (CABG) vs. Angioplasty

CABG

- A traditional surgery
- Generally performed on patients with multiple blockages
- 2-3 hours for a 2-stage surgery
- Long recovery period
- High cost
- High risk of complications
- Long hospital stay
- Long recovery period
- High cost
- High risk of complications
- Long hospital stay

Angioplasty

- A minimally invasive procedure
- Generally performed on patients with a single blockage
- 1-2 hours for a 1-stage surgery
- Short recovery period
- Low cost
- Low risk of complications
- Short hospital stay
- Short recovery period
- Low cost
- Low risk of complications
- Short hospital stay

Coronary angioplasty

Coronary angioplasty is a procedure that uses a balloon catheter to widen a narrowed coronary artery. A balloon catheter is inserted into the coronary artery and inflated to widen the lumen. This procedure is used to treat coronary artery disease, which is a narrowing of the coronary arteries that can lead to heart attacks.

Coronary artery bypass grafting (CABG)

Coronary artery bypass grafting (CABG) is a surgical procedure that bypasses a narrowed coronary artery. A graft is taken from another part of the body (usually the chest or arm) and is attached to the coronary artery to create a new blood vessel. This procedure is used to treat coronary artery disease, which is a narrowing of the coronary arteries that can lead to heart attacks.



HIS SPINE'S BENT DUE TO A HEAVY SCHOOLBAG ... IT'S CALLED SCHOOLIOSIS

Continued

Department of Cardiovascular and Thoracic Surgery & Heart Transplantation

The department is a pioneering unit amongst private hospitals in Mumbai, credited with the first triple bypass surgery in Mumbai. It is also a pioneer in Beating Heart Bypass Surgery; the first to perform open heart surgery in a newborn baby and the first to undertake a Minimally Invasive Cardiac surgery (MICS).

The department is also a tertiary referral centre for patients for bypass & valve operations, as well other complex surgeries, such as Minimally Invasive Cardiac Surgery (MICS), aortic aneurysm, and repeat heart operations. Dr Suresh Joshi, is the pioneer of Minimally Invasive Cardiac Surgery (MICS) in India.

Since 1995, over a thousand such operations have been performed, with a success rate of more than 99%. The department

Today there is hardly any complexity in cardiology that cannot be handled at Jaslok Hospital.

also has a unit for paediatric heart surgery in infants and neonates as well as for heart transplantation which is a definitive treatment for end stage heart failure.

Several patients of cardiogenic shock after massive heart attacks were saved using Veno-arterial Extracorporeal Membrane Oxygenation (ECMO). During the Covid-19 pandemic Jaslok Hospital & Research Centre performed veno-venous

ECMO, giving time for the damaged lungs to recover. Also, Jaslok Hospital was the first hospital in western India to successfully bridge a patient with Biventricular Assist Device (BiVAD) onto heart transplant.

Moving from milestone to milestone, today there is hardly any complexity in cardiology that cannot be handled at Jaslok Hospital.





SANIYA GAMRE

My name is Saniya Gamre and I am from Aurangabad. I was suffering from an acute backache for the last six months. I was advised physiotherapy and I was having it done continuously but with no result. It was when my cousin in Mumbai recommended Jaslok Hospital that I came here, and consulted Dr Manish Kothari, who suggested an endoscopic procedure. I instantly agreed, and got admitted the same day. Within 15 minutes of my surgery, I was able to walk pain-free for the first time after six months.



DEPARTMENT OF CRITICAL CARE

The Department of Critical Care Medicine at Jaslok Hospital & Research Centre is a tertiary care hospital that is uniquely designed in three components, occupying two floors of the hospital building.

The first section is a 40-bedded multidisciplinary ICU devoted to the care of medical and surgical emergencies and cardiac and neuro-critical patients, inclusive of four isolation rooms with negative/positive pressure.

The second section is dedicated to academics, comprising a 25-seater teaching hall, library and research facilities.

The third section is demarcated as a 'comfort zone' for the patient's family with an adjacent cafeteria. The ICU is well-equipped to handle all emergencies with state-of-the-art monitoring systems and lifesaving equipment, including defibrillators, mechanical ventilators, high-flow nasal O₂ delivery systems, Extra Corporeal Membrane Oxygenation (ECMO), Intra-Aortic Balloon Pump (IABP), portable 2D echo/sonography and CRRT machines.

Its team of highly qualified and efficient intensivists and nurses work round-the-clock and are well-trained and experienced in handling all types of emergencies and performing intricate invasive and non-invasive emergency procedures at the bedside.



ICU team members from the past

THE SOUND OF HAPPINESS

A 60-year-old Mumbai businessman suffering from Parkinson's Disease, who had been unable to move or speak for more than two years, brought tears to the medical staff's eyes, when after a complicated two-day DBS surgery at the hospital, he got his voice back and was able to say a heartfelt 'Thank You' to them.



HEROES OF JASLOK



Prakash Tawde
Department : Security
Joined : 2005

“

In 2013, my sister was detected with thyroid cancer. She was given not over seven days to survive. Her doctor Dr Vijay Haribhakti was traveling to the United States and that was when she got terribly ill. He directed his assistant to Jaslok Hospital, from the United States, and the critical condition was managed. On his return, he operated on her. It's 10 years now and she is doing great.

We wish the hospital grows to greater heights. Best wishes.

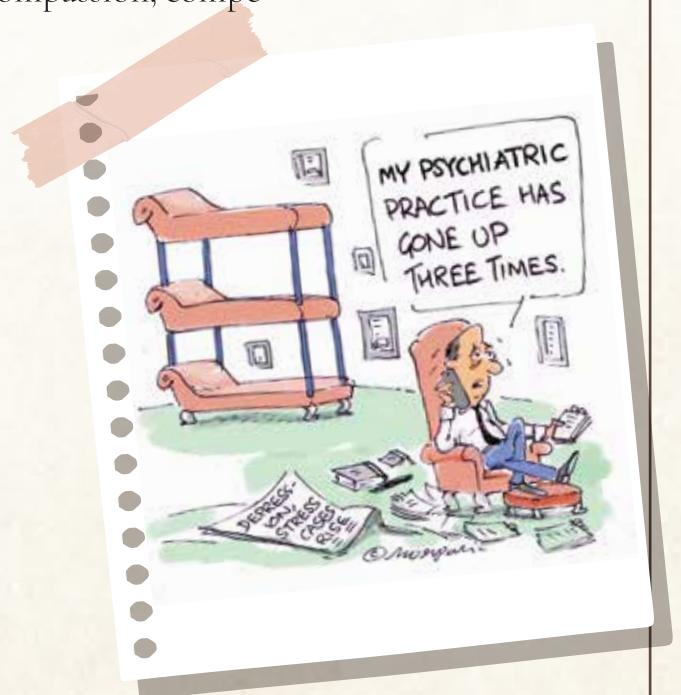
The technological advances in evaluations and management of critically-ill patients in all leading hospitals has changed in an unimaginable way; however, the principles of evaluation and management have not changed and so, the bedside physical examination of the patient, which is much faster, often more accurate and time-saving in emergencies, still remains the cornerstone of the department's clinical judgement.

Senior consultants in the ICU are constantly impressing the importance of clinical medicine, before prescribing out-of-the-ordinary tests and imaging, which may be unnecessary to the ailment in question.

In keeping with this dictum, senior consultants in the ICU are constantly impressing the importance of clinical medicine, before prescribing

out-of-the-ordinary tests and imaging, which may be unnecessary to the ailment in question.

The exemplary efforts put in by the Critical Care Department's team during the challenging period of the Covid-19 pandemic speaks volumes of their compassion, competence and dedication.



NEUROSCIENCES

Department Of Neurology

The inception of clinical neurology services by Prof Noshir Wadia, Dr Piroja Wadia, Dr Anil Desai, and Dr Sarosh Katrak ensured the development of the Department of Neurology as one of clinical excellence, with a prodigious reputation and research output.

Spinocerebellar ataxia, atlanto-axial dislocation, enterovirus associated radiculomyelopathy, neurocysticercosis, neuro-muscular Wilson's Disease, and assessment of neuropathies became synonymous with the Department of Neurology at Jaslok Hospital & Research Centre. Dr Piroja Wadia ensured the development of a sterling neurophysiology department.

Dr Joy Desai started an epilepsy clinic at Jaslok Hospital in 2000, the first of its kind at a private hospital in Mumbai, which consolidated epilepsy services with an excellent pre-surgical video-EEG

monitoring unit.

Jaslok Hospital became a centre for epilepsy surgeries and the epilepsy clinic spawned its participation in clinical trials for new anti-epileptic medications like Brivaracetam and Perampanel. In 1995, Dr K Ravishankar started the first dedicated headache clinic in the country that put Jaslok Hospital on the global map.

A stroke clinic at Jaslok Hospital was conceived, which provided services for rapid treatment of acute strokes and subsequently thrombolysis and mechanical thrombectomy became routine procedures. Teamwork with neuroradiology made these services routinely successful. The movement disorders clinic at Jaslok Hospital also provided integrated neurology and neurosurgical care for some of the most debilitating neurological afflictions. This has spawned a movement disorders fellowship training program as well.

HIS LAST WISH

Two sisters expressed their gratitude for giving dignity to the last days of their 94-year-old father, who had been a lifelong patient of Jaslok Hospital, having survived prostate cancer, two strokes as well as a bout of pneumonia. The care and comfort he'd received till the last can be ascertained by the fact that he chose to spend his last days at the hospital where he said he was most comfortable.

HEROES OF JASLOK



Bhiku Khot
Department : Housekeeping
Joined : 1991



In 2002 my brother was suffering from end-stage tuberculosis. Dr Ajay Chitnis treated him and today it's 20 years and he is completely fit and working as a patient-care personnel.

Best wishes for the 50th year of Jaslok Hospital.

Department of Neurosurgery

Neurosurgery has been one of the principal focus areas of Jaslok Hospital & Research Centre. Since its inception in 1973, the hospital has boasted of stalwarts in the field of neurosurgery, like Dr Homi Dastur and Dr Gajendra Sinh.

The neurosurgical department was the most advanced department of its kind in India's private sector, in the 1970s. It was the first centre to offer microscopes and endoscopes. Dr Dastur introduced stereotactic surgery and Dr Sinh introduced stereotactic radiosurgery. Later, Dr Nagpal performed the first transsphenoidal procedure in a private sector hospital in Mumbai.

In 1998, a stereotactic and functional neurosurgery subspecialty was started at Jaslok Hospital by Dr Paresh Doshi.

Over subsequent years, subspecialties of skull base surgery and endoscopic and spine surgeries were added to the department and the focus of it has been to develop newer

surgical therapies and train competent neurosurgeons. It has been the centre with the longest recognition for Diplomate of National Board (DNB) trainees and functional neurosurgical fellowships and conducts research in the field of neurosurgery. It has also virtually performed all the first surgeries in the field of functional neurosur-

gery in the country.

The young, focused and dedicated team of neurosurgeons at Jaslok Hospital aspires to

continue its march into the next 50 years, with the same zeal, thrust and momentum demonstrated by its pioneers, while bringing in new technologies, subspecialty expertise, and imparting training in this field.

82-year-old cured of Parkinson's, first in India

MUMBAI: AN 82-year-old man suffering from Parkinson's disease was successfully operated upon in Jaslok Hospital, doctors said on Thursday. Baijnath Sharma, a doctor of alternative medicine from Jaipur, experienced uncontrolled tremors in both of his upper limbs for the last 18 years. He underwent Deep Brain Stimulation (DBS) at Jaslok Hospital on August 18.

"Sharma, who displayed all typical symptoms of Parkinson's disease - difficulty in walking, slowness of movement, lack of facial expression - (making him completely dependent), is completely free of symptoms today and independent," said Dr Paresh Doshi, HoD, department of stereotactic and functional neurosurgery.

"It was a challenging task and our team tried its best to minimise operation hours. It took five hours. An usual surgery would take up to

seven hours," he said.

Although we have performed unilateral brain surgery on a 85-year-old patient, this is the first time in the world that an 82-year-old patient underwent the bilateral brain surgery, the doctor claimed. Deep Brain Stimulation (DBS) is a surgical procedure used to treat a variety of disabling neurological symptoms, most commonly the debilitating symptoms of Parkinson's disease (PD), such as tremors, rigidity, stiffness, slowed movement, and walking problems, Doshi said.

The procedure was also used to treat essential tremor, a common neurological movement disorder, he said. "Jaslok has been the first to perform DBS surgery by an Indian neurosurgeon in India, as early as 1998," he said. Doshi had also recently conducted India's first Dual Pacemaker Surgery, being first in world.—AGENCIES



DANGAL

A popular 22-year-old weightlifter was brought to the hospital in a state of cardiac arrest due to sudden heart failure. He underwent a rare BiVAD (right and left artificial heart) life-saving procedure, followed by a heart transplant. Given how much he meant to his community and sport, he was naturally welcomed home by his family and friends with a shower of flowers and with many blessings for the Jaslok Hospital staff and team of doctors on their lips.

Department of Neuropsychiatry

The neuropsychiatry service commenced operation in July 1989 and within a year was amongst the three busiest outpatient departments of the hospital. It was the first such service in India and amongst the first few in the world.

Few consultants associated with it were trained at the leading institutions in the world, The Johns Hopkins Hospital, The Harvard Medical School and The Mayo Clinic in the United States.

It was the first such service in India and amongst the first few in the world.

Over the past 34 years, it has seen over 12,000 patients and in 2021, saw the highest number of online consultations in the hospital.

It has conducted pioneering research in the relationship between stress and fertility.

The department has trained many residents and researchers over the years. It also has the rare honour of a decade of joint symposia on 'Cross Cultural Aspects of Mood Disorders' with the Harvard Medical School at the annual conference of The American Psychiatric Association.

It has provided welfare services during natural disasters in Latur in 1994, Gujarat in 2000 and Kashmir in 2005. It is currently involved in a joint Indo-French intervention program for psychiatric relief in Ukraine.

Agarwal community under SCA-12 curse?

In a development that has intrigued medics, it was found that Spinocerebellar Ataxia-12 (SCA-12), a hereditary and progressively degenerative disease - characterised by tremors - is specific only to the Agarwal community. A 57-year old patient went through a gruelling five-hour surgery to correct the malady

By Steffy Thevar

In a shocking revelation, it was found that people from Agarwal community are the only affected ones when it comes to Spinocerebellar Ataxia-12. This is a hereditary, progressive, degenerative and often fatal disease. Only two to three centres in India are equipped for SCA-



(L to R) Sister Bharti Karkara, Dr Pares Doshi, Dr Pettarup Wadia, Dr Raghvendra Ramdas and Dr Rajashree Deepakji.

By Steffy Thevar

12 testing. However in what must spell good news for the community, Jaslok Hospital has successfully performed the world's first surgery for the control of tremors on SCA-12 patients. The operation was done on 18 November 2016 and by November 28, 2016, the patients will be ready to be discharged.

The patient, Maya, (Name changed) a 57-year-old was a Kharhbar resident and first noticed the signs of tremors in the year 2003. The situation worsened and by 2014, she was unable to walk without help. The patient first came to Jaslok Hospital in 2011.

The disease initially starts with tremors and then affects bodily functions like holding a pen or a glass. Being able to

There are 43 types of SCA which have been detected across the

world out of which type 1, 2, 3 and 12 are the most common types. SCA-12 is specifically affecting the

Agarwal community. It is a rare disease and

will be

trigued doctors for nearly a decade since the definite gene test for its diagnosis has become available. Surprisingly, it is more common among people in the Agarwal community in Bengal compared to those in Haryana or Rajasthan.

Dr Pettarup Wadia, consultant neurologist, said, "We suspect that there could have been a founder gene is one of the ancestors of this community which is the reason why this is the only community affected. We are yet to find a patient in India affected by SCA-12 and who does not belong to this particular community." He also said that apart from India, this disease is also found in Japan where Parkinson's symptoms are also commonly seen, which is not the case in India.

The doctors also informed that local anaesthesia was used for the treatment and the patient was awake throughout the surgery. She was asked to draw spiral pattern on a piece of paper during the surgery and after the surgery, to check about the effects. "It was a attempt that we risked to take and it worked". They also praised the patient for being patient and courageous enough. Dr Dev Pujari said, "It is not easy to keep going on in a five-hour long surgery and respond when you have a big frame on your head."

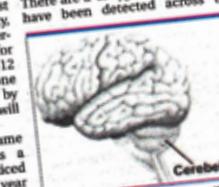
It is a rare disease and

SYMPOMS OF SCA-12

SCA-12 starts with a mild tremor of the hands and gradually affects walking. Eventually, it leads to significant loss of limb co-ordination, eye movement co-ordination and slurred speech.

The diagnosis of SCA-12 should be considered in the following:

- Develop an action tremor of the upper extremities in mid-life
- A progressive ataxia and more



The core part of the area which is affected during SCA-12.

HEROES OF JASLOK



Ashwini Ashok Parab
Department : Operation Theatre
Joined : 1990



I've been given two 'rebirths' by Jaslok Hospital. When I had an ectopic pregnancy and then, when I survived breast cancer.

East or west, Jaslok Hospital is the best.

DEPARTMENT OF ASSISTED REPRODUCTION:

The Jaslok-FertilTree International Fertility Centre

Over the past several decades, the Jaslok-FertilTree International Fertility Centre has given birth to over 20,000 babies and treated patients from every state of India and from over 60 countries. It has received numerous awards, almost too many to list and along with its director, Dr Firuza Parikh, it has been

Over the past several decades, the Jaslok-FertilTree International Fertility Centre has given birth to over 20,000 babies and treated patients from every state of India and from over 60 countries.

ranked as the best In Vitro Fertilisation (IVF) Centre in India and amongst the best in the world. The department has presented its scientific work at more than 175 national and international conferences with over 250 scientific publications to its credit.

Jaslok-FertilTree has several national and international firsts, including the development of Cumulus Aided Transfer, a technique. Pioneered by the IVF depart-

ment, the department has also successfully pioneered the technology for ovarian and endometrial rejuvenation in India.

HEADLINE-GRABBING FLASHPOINTS

In the October of '79, the fiery and much-feared union leader, Dr Datta Samant, notorious for the shutting down of a legion of factories and businesses across the city, had taken charge of the Jaslok Hospital Employees Union and almost stopped the hospital's workings, demanding a payment of bonus to the employees, in spite of the fact that until then, hospitals were exempt from the payment of bonus.

Matters had come to a head when he issued threats of imminent violence against the lives of the hospital's Director and Joint Director, if his demands were not met and his call for a prolonged strike sent shivers down the spines of the management.

Finally, police protection was requested and promptly provided, when a female technician was actually wounded in the melee and had to be admitted to the Breach Candy Hospital for treatment of a skull fracture. Even declaration of his strike as illegal by the Industrial Court did not deflect Dr Samant and his union and the day-to-day operations of Jaslok Hospital were severely challenged during this time.

Eventually, though, the firm attitudes of its trustees and administration and the fact that Dr Samant had studied physiology under the hospital's first administrator Dr Rindani, had paid off and by mid-1980, the hospital could resume its operations in peace, without the sceptre of violence hanging over its head.

IVF tech: City doc gets global pat

TIMES NEWS NETWORK
THE TIMES OF INDIA, MUMBAI • SATURDAY, NOVEMBER 25, 2006

Mumbai: Three years back, it was a mere inspiration. Now, it is a medically proven statement in an internationally renowned medical journal.

When infertility specialist Dr Firuza Parikh decided to innovate in the petridish, it was on a hunch that the cloudy mass of cells surrounding the embryo may not be as useless as others think they are. "The cumulus cells that surround the embryo were usually discarded while transferring the embryo from the petridish to the womb," she says.

"We culture cumulus cells in the laboratory and add them during embryo transfer. Cumulus cells are rich in factors which facilitate the growth of embryos," the paper explains. This richness leads, in turn, to better pregnancy rates.

The study shows that of the 517 women, more than half of whom had failed IVF attempts in the past, 49% conceived using the CAT technique while only 34% women in the control group (the group treated without CAT) did.

"We have harnessed nature to improve pregnancy rates," says the doctor about CAT. The Jaslok IVF clinic has treated over 1,000 women with this IVF innovation. "There is no doubt that the cumulus cells help in the growth and nutrition of embryos and



The department is internationally renowned for its state-of-the-art facilities for Intrauterine Insemination (IUI), In Vitro Fertilisation (IVF), Intracytoplasmic Sperm Injection (ICSI), Intracytoplasmic Morphologically Selected Sperm Injection (IMSI), Laser Assisted Hatching (LAH), embryo cryopreservation, oocyte, sperm, testicular tissue and ovarian tissue freezing. It also has an advanced andrology laboratory. The genetics laboratory has extensive facilities for workup of various genetic disorders.

It uses advanced technology including a Karyotyping workstation, Fluorescence in Situ Hybridization (FISH), Polymerase

Chain Reaction (PCR) and Next Generation Sequencing. Prenatal, Postnatal and Preimplantation Genetic Testing (PGT) is also carried out routinely in the laboratory.

The Jaslok-FertilTree International Fertility Centre has introduced a fertility protection program for women who are undergoing cancer therapies to preserve their ovarian tissue, ova and embryos. It is also pioneering the use of artificial intelligence in advanced fertility management.



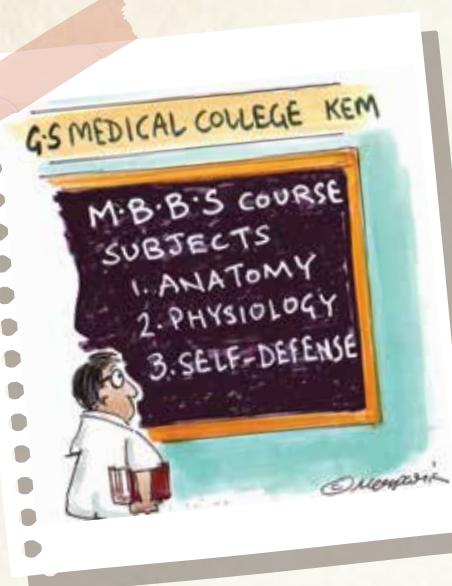
HAVE SURGERY, WILL SHOP

It is widely acknowledged that Mumbai's medical health tourism is as popular as that of its retail therapy. And one of Jaslok Hospital's patients, a lady from the Middle East, seeking relief from uterine fibroids, could not help combining the two. Twice, the patient had conducted prolonged discussions with the hospital's doctors and twice she'd backed out from surgery at the last moment because she insisted on having it done only as an outpatient.

Finally, when she could no longer ignore the issue, she reluctantly agreed to get admitted and it was decided that the surgery would be conducted in two stages, over two days. But lo and behold, after her first surgery was performed and while waiting overnight in her room to go in for the second one the next day, the lady could not resist the calling of her first love: shopping. Camouflaged in her sister's burkha and leaving her behind as a decoy, the patient had shopped to her heart's content between her two surgeries and that too at a mall 35 kms away! Fortunately for her and all concerned, no major damage had been sustained because of this adventure. But you can imagine how contrite and apologetic she was when her misdemeanour was discovered.



Watch out Kohli



GASTROSCIENCES

Department of Gastroenterology

The Department of Gastroenterology at Jaslok Hospital & Research Centre is the oldest and most experienced department of its kind in the private sector in Mumbai, involved in providing services to patients for the entire spectrum of gastroenterology and liver diseases, both adult and paediatric. The department was started by Dr H. G. Desai.

The department is well-equipped with advanced technology and equipment, including endoscopes and imaging tools, to perform all diagnostic and therapeutic endoscopic procedures. The consultants in the department are well-known nationally in their respective subspecialties and supported by six experienced resident doctors, making the department functional 24 hours a day, ensuring that all emergencies are dealt with on time.

The Department of Gastroenterology is also recognized as a teaching centre by the National Board of Examinations (NBE) and the Maharashtra University of Health Services (MUHS) and as a centre of excellence for the

The Department of Gastroenterology at Jaslok Hospital & Research Centre is the oldest and most experienced department of its kind in the private sector in Mumbai

treatment of Wilson's Disease by the Wilson Disease Association International of the USA. Multi-disciplinary meetings and clinics to manage Wilson's Disease, pelvic floor disorders, fatty liver and hepatocellular carcinoma are conducted regularly. Jaslok Hospital also has the distinction of being the first hospital in western India to start a liver transplant program.

The Department of Gastroenterology has been the pioneer of several important research and publications including monographs on amoebic liver abscess, hepatic tuberculosis, acute pancreatitis and gastritis.

Internationally acclaimed publications of this department include clinical practice guidelines for Wilson's Disease, global assessment scale for Wilson's Disease and the management of Budd Chiari and Gaucher Disease in children and infants. The department was also the first to describe liver toxicity with Giloy and provide a guideline to approach patients with HILI-Herb induced liver injury.

NOT HIS TIME YET

There was a swarthy Russian patient admitted to the hospital, who spoke no English and thus could only communicate in sign language with the staff. One day to their great shock they saw him fleeing from his bed, frightened and trembling from head to foot. The reason? The visit of a local priest from a nearby church for the purpose of administering the last rites for another patient who lay next door. Imagine the effort and time it must have taken the staff to calm him down and explain that it was not for him but his neighbour, that the holy man had been called.

Department of Surgical Gastroenterology

The Department of General Surgery was one of the first to be established at Jaslok Hospital & Research Centre. The visionary Dr Shantilal Mehta, who was the first director of the hospital, was an active surgeon and led the department in its early years. To begin with, a modern operation theatre was designed. Over the last two decades, the department has expanded significantly, to encompass emerging specialties like urology, paediatric surgery, plastic surgery, surgical oncology and surgical gastroenterology.

In the 1990s, under the leadership of Dr Shirish Bhansali, the department developed a reputation for excellence in endocrine surgery and gastrointestinal surgery. It also became a referral unit for the management of acute pancreatitis. Two major thrust areas, laparoscopic surgery and Hepatopancreaticobiliary (HPB) Surgery, including liver transplantation were added in the 1990s. The Surgical Gastroenterology Department began in 1999 and has given primacy to training programs. A one-year gastroenterology surgery fellowship program was started in the year 2000.

*Over the last two decades,
the department has expanded
significantly,*

In 2006, this unit became a separate department and was recognized for the Diplomate of National Board (DNB) surgical gastroenterology program of the National Board of Examinations (NBE). It currently conducts a one-year fellowship course in HOB Surgery under the supervision of the Maharashtra University of Health Sciences.

The Department of Surgical Gastroenterology has now evolved into a full-fledged service and consists of consultants who have specialised in hepatobiliary surgery and liver transplantation, laparoscopic surgery, upper GI surgery, bariatric surgery and colorectal surgery.

In 1998, Jaslok Hospital performed the first successful living related liver transplant in the country and the first liver transplant in western India.

Since then, it has performed approximately 120 transplants. The department has a strong academic base and has around 150 publications in indexed journals to its credit. It has trained a large number of surgeons who have helped take the expertise across India.



DEPARTMENT OF ORTHOPAEDICS

The department was established in 1973 by Dr JCN Joshipura, who served as its first director. It prides itself on having been the centre for complex trauma and reconstructive surgeries in the early 70s and 80s. One of the earliest joint replacement surgeries in India in the 1980s was done by Jaslok Hospital & Research Centre's Orthopaedic Department.

The department started total knee replacement in the early 90s by pioneer specialists trained in the West. Also, arthroscopic knee joint procedures were done with high success rates in the 90s, when the procedure was still in its nascent stages. The department prides itself on being associated with the pioneers in shoulder arthroscopy. Till date it is known to be one of the leaders in shoulder keyhole procedures.

Jaslok Hospital has been one of the first to adopt

One of the earliest joint replacement surgeries in India in the 1980s was done by Jaslok Hospital & Research Centre's Orthopaedic Department.

the transpedicular approach for spinal tuberculosis. It is also one of the few hospitals in the country to undertake endoscopic spine surgery in complex cases and one of the first in the country to offer an in-house Live Intra Operative Neuro Monitoring unit, run by a team of USA-trained electrophysiologists.

The department also has the distinction of being one of the first in the country to perform fully computer-navigated hip joint replacement surgery and is a centre of excellence for hip replacement, hip arthroscopy and hip preservation surgery.

Its specialists have been industry leaders in complex joint replacement procedures and offer modern cellular treatment for joint preservation, paediatric orthopaedics, hand and wrist surgery, foot and ankle and peripheral nerve surgery.

HEROES OF JASLOK



Mangesh Ambekar
Department : Operation Theatre
Joined : 1993

In 1998, during an angiography, a patient crashed and we had only 10 minutes in the operation theatre to arrange everything for a bypass surgery and it was a very successful one.

I wish Jaslok Hospital becomes the best hospital in the world.

”

DEPARTMENT OF GYNAECOLOGY & OBSTETRICS

The department was started with stalwart obstetricians and gynaecologists of the city - Dr K. Alimchandani, Dr Motashaw and Dr R.P Soonawalla.

At that time, laparoscopy was the latest technology that had been introduced in the medical field and the hospital acquired this and related technology and instrumentation for it. Few hospitals have this state-of-the-art technology which was introduced to India in 1972, by Dr Nargis Motashaw.

There were few hospitals in the Middle East in those days and consequently patients from this region flocked to Jaslok Hospital & Research Centre to get medical treatment. The hospital soon acquired ultrasound equipment, it was the second in the city to do so. Jaslok Hospital also acquired a colposcopy machine to pick up early cases of carci-

GRAPES OF WARMTH

Doctors at Jaslok Hospital know exactly when it is grape harvesting season in the country, because for the past twelve years, without fail and on the dot, they receive a box full of the delicious fruit, straight from a farm. The sender? A very 'grapeful' 26-year-old farmer, who had been cured of a deadly foot infection when he was 12 years old.

And naturally, the grapes are sweet.



noma cervix, resulting in most hospitals referring their complicated maternity cases and preterm deliveries to it.

Today, Jaslok Hospital offers a foetal medicine unit with trained obstetricians, sonologists and a genetic laboratory to support it.

At that time, laparoscopy was the latest technology that had been introduced in the medical field and the hospital acquired this and related technology and instrumentation for it.

What's more, being a multi-specialty hospital, any pregnancy which has associated medical disorders is referred to the speciality clinic.

The benefit of such a holistic approach is very advantageous for pregnant women.

The department is going forward with a new maternity unit, along with physiotherapy in the form of antenatal exercises and nutrition programs, to maintain the all-round health of mother and child.

HEROES OF JASLOK



Ganesh Chavan
Department : Security
Joined: 2006

“

My father had a paralytic attack in 1997, when I was a trainee here. He was under the care of Dr Fali Poncha for a month and went home walking. The access I have to medical facilities at the hospital helped me take complete care of my father.

Congratulations Jaslok Hospital and good wishes for the years to come!

DEPARTMENT OF PAEDIATRICS

Jaslok Hospital & Research Centre is one of the first corporate hospitals in Maharashtra to provide general paediatric care, paediatric critical care, infant critical care and dedicated Paediatric Intensive Care Unit (PICU) and Neonatal Intensive Care Unit (NICU) facil-

ties along with paediatric subspecialty OPDs. It is also one of the first corporate hospitals in the country to start paediatric clinical research along with drug trials and has its own ethics committee, recognized by the National Accreditation

Board for Hospitals & Healthcare Providers (NABH) / Drug Controller General of India (DCGI).

It is one of the first corporate hospitals in the state to provide 24x7 services to mother and child by a full time consultant in paediatrics, as well as gynaecology.

hospitals in Maharashtra to have started post graduate programs-fellowships for Diplomate of National Board (DNB), Diploma in Child Health (DCH).

The department has also been the first among corporate hospitals in the country to conduct a series of cardiac surgical camps for complex congenital heart diseases and is the only one that provides paediatric/in-

fant critical care transport all over the world by land or by air. The lists of its firsts are endless. It is one of the first corporate hospitals in the state to provide 24x7 services to mother and child by a full time consultant in paediatrics, as well as gynaecology.

Along with these distinctions, one of the the first paediatric liver transplants in the country was performed at Jaslok Hospital and it is one of the first corporate

It is the first corporate hospital in the country to provide the maximum number of healthy In Vitro Fertilisation (IVF) babies to childless couples. It is one of the first hospitals to provide post-discharge medical care to mother and child at the doorstep.



By Malathy Iyer/TIMES

Mumbai: Clad in a turquoise blue 'kurti' and carrying a red micro-work bag, Fiona Bills could pass off as a casual tourist on Colaba Causeway. Only the 37-year-old blonde is in Mumbai on a 30-day medical mission: to get pregnant.

British by birth, Fiona is on her second trip to the city. Mumbai is miles away from her present home in New Orleans. "Coming from the UK, my husband and I find the American health system a bit of a nightmare in terms of cost," she says.

So she started doing research on countries that offered in-vitro fertilisation (IVF) at reduced costs, "such as Greece, Spain and India", before settling for the Malpani Clinic at Colaba.

Fiona is only one of the growing tribe of foreigners—and people of Indian origin—coming to the city for affordable treatment for infertility. Experts call it reproductive tourism, a relatively new term coined by an American medical journal.

While no statistics are available, Mumbai's tribe of 30 odd infertility specialists—more than in any other Indian city—feel their expertise, accessibility and prices are drawing more international patients every year. Says Dr Firuz Parikh of Jaslok Hospital, "We have treated women from 40 countries in the last decade."

Getting E-Help

And, in keeping with this century's globalisation of medicine, "The internet is the driving force behind this brand of tourism," says Dr Anuruddha Malpani.

Right from Fiona to London-based Payal Rohtagi and Nairobi-based Archana Patel, TOI found that each of them had zeroed in on Mumbai looking for infertility treatment. A Russian by birth, she is using her American husband's temporary posting in Alibag for the purpose—although her visit is tinged with romance.

"I signed up with the doctor who was the quickest to respond to my email," says Dubai-based Trupti Shah, who has travelled to three Mumbai doctors.

Having grown up on a strict diet of Bollywood films in Moscow, Maria is distressed that even

SERVING IN LIFE AND DEATH

A staff worker at Jaslok Hospital pledged her organs and after her untimely death, bequeathed a new lease of life to not one or two, but SIX different recipients of her heart, lungs, kidneys, liver, etc. A true gift of organ donation from the very heart of the institution. And a symbol of the ongoing dedication and commitment to patients, that sets Jaslok Hospital and Research Centre apart.

THE GRATITUDE OF PARENTS

When the parents of an 8-year-old girl, who had been born with agenesis of the bladder, brought her in to the hospital, after being informed that there was no hope for her, aside from a lifetime of catheterization, they had no idea that following 3 innovative and cutting-edge surgeries performed, (the last, a breakthrough in Asia) their daughter would grow into a confident young 18-year-old, who now can pass urine normally and is pursuing her undergraduate studies, living alone in Australia. Their gratitude to the hospital for giving their daughter a new lease of life is understandably immense.

HEROES OF JASLOK



Vilas Bitale
Department : Housekeeping
Joined: 1992

I work in the ICU. Six months ago, I had a severe spine pain. Dr Devesh Dholakia started me on medications, but it didn't help; later I was advised surgery. Now, after undergoing it, I have joined back on duty and can work comfortably. Thank you, Jaslok Hospital.

Best wishes for Jaslok Hospital and wish even after retirement we want to be proud of Jaslok Hospital.

It is also one of the first hospitals to undertake free consultation for children from the National Institute For The Blind, as well as children from orphanages such as Bal Asha, along with providing much-needed support, education and counselling to their parents. Jaslok Hospital, further enhancing the care for its patients started paediatric rheumatology, paediatric renal transplants, guidance on breastfeeding, neonatal surgery to name a few.

Jaslok Hospital diligently conceived and executed a paediatric neurology subsection, and it is now a centre of academic excellence which includes a fellowship program as well.

Jaslok Hospital also pioneered paediatric rheumatology and has treated scores of children, at a time when this subspecialty was unheard of.

Jaslok Hospital is one of the first hospitals to perform paediatric renal transplants.

It is again one of the firsts to identify and promote the importance of breast feeding from early days that made a significant impact on the breast feeding practices in the country.

Even the surgical team for this department included internationally acclaimed paediatric and neonatal surgeons.

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DEPARTMENT OF IMAGING AND INTERVENTIONAL RADIOLOGY

The Department of Imaging and Interventional Radiology was established by Dr Shrinivas Desai in 1983. The Department of Ultrasound was introduced by the late Dr Mukund Joshi.

A pioneer in acquiring state-of-the-art technology for delivering best diagnostic services and providing non-invasive and minimally-invasive therapeutic procedures, this department boasts a range of technology and equipment with many path-breaking firsts to its credit, such as the first Spiral CT in India, the first 64 slice Cardiac MDCT in India and the first Single Slice Dual Energy CT in India.

In the field of Magnetic Resonance Imaging (MRI), the department has been a pioneer in parallel imaging as well as in 3T MRI, with Total Imaging Matrix (TIM) technology and in wide bore MRI with Amide Proton Transfer-Weighted (APT) and whole body Magnetic resonance-Positron Emission Tomography (MR-PET) protocol with compressed sense and AI technology. It is equipped with revolutionary, path breaking MR guided Focused Ultrasound

This department boasts a range of technology and equipment with many path-breaking firsts to its credit.

INITIAL HICCUPS

But of course, Jaslok Hospital's journey has not been trouble-free and without its fair share of challenging and hair-raising moments.

In 1973, even as the hospital was taking shape, activists from a powerful local political party almost halted its operations, when they marched to Jaslok Hospital's premises, demanding employment for 'sons of the soil'. The crisis had been averted only through a medical connection: One of Jaslok Hospital's key administrators, was an acquaintance of one of the political party's top leaders and this connection, along with the timely intervention of a powerful Congressman, had assuaged the tense situation and the hospital's construction and planning could continue, unabated.



(MRgFUS), a totally non-invasive technique of doing surgeries, the first in India and pan pacific region and has the distinction of performing nearly 3,000 MRgFUS treatments for uterine fibroids, uterine adenomyosis, bone tumours, prostate cancers, degenerative spine disease in a completely non-invasive way which is the second largest number of MRgFUS treatments in the world.

For mammography, the department is equipped with the latest Amulet Innovality Digital Mammography Machine and Dual mode Tomosynthesis,

Contrast Mammography, Stereotactic Biopsies and Vacuum Assisted Breast Biopsy (VAAB) capable of very early detection of breast cancer and its treatment.

For ultrasound examinations, it boasts of having the first Acoustic Radiation Force Impulse (ARFI) and Automated Breast Volume Scanner (ABVS) in the country. It also provides Contrast Enhanced Ultrasound (CEUS) services and multiple Ultrasound Sonography (USG) procedures, including foetal interventions.

The Department of DSA is equipped with the latest 3D rotational angiography DSA with Dyna CT, Vaso CT and 3D road map, first of its kind in the west zone. The DSA department performs a large number of vascular and non-vascular interventional therapeutic procedures.

The Departments of CT scan, MRI, Ultrasound and DSA have been recognized as centres of excellence and luminary sites by different healthcare industry groups.

The department performs the largest number of image guided interventional procedures like biopsies, drainages, tumour ablations, vertebroplasty, etc. in the private sector.

In the field of general radiology the department is equipped with a high end digital Fuji X-ray unit, mobile digital units, DR and CR with a high end IITV unit for every single radiological application.

The department has been recognized for performing the largest number of image guided vascular, non-vascular and non-invasive interventions among private hospitals in India.

The department is involved in extensive educational and research activities, running a 3-year postgraduate radiology course which has produced more than 200 excellent radiologists till date.

MANISHA NATU



I am Manisha Natu, a 72-year-old resident of Thane, suffering from a liver ailment. Jaslok Hospital's Dr Arvinder Soin advised a liver transplant, as no other treatment could help my medical condition. My daughter readily agreed to donate her liver. Dr Soin explained the procedure to us and assured us of good results and though my family was frightened about the outcome and my tolerance due to my age, I had complete faith in Jaslok Hospital and Dr Soin and readily underwent liver transplantation. My daughter who was the donor went home seven days later and I was discharged on day 15.



HEROES OF JASLOK



Marie Richardo
Department : Nursing
Joined: 1991

One beautiful experience I will forever cherish is the opportunity given to me by Jaslok Hospital to lead the Covid-19 Vaccination Program. I handled the corporate sector and also the marginalized sections of society like Dharavi and got thousands of beneficiaries immunized and saved so many lives as a consequence.

I am extremely grateful to Jaslok Hospital for empowering me, uplifting me, and moulding me.

Congratulations Jaslok Hospital and may you continue to grow in the confidence and delight of your patients.

“

DEPARTMENT OF NUCLEAR MEDICINE

When pioneers and trailblazers start a department, it is not surprising that it becomes a centre of excellence.

Padma Bhushan Dr R.D. Lele started this department in 1977 and it was among the first nuclear medicine departments in the country, within the private sector. The Mo-Tc generator for obtaining radioisotope was used for the first time here. Nuclear cardiology took its birth in the country under Prof R.D. Lele. Radioisotope MUGA studies of the heart for ischemic heart disease were launched here, to the great benefit of patients.

The country's first Triple-head Gamma Camera was installed in the 1990s at Jaslok Hospital & Research Centre, revolutionising brain and heart scans. Radioimmunoassay was introduced on a routine basis for endocrine patients. Also, India's first 5-ring Positron Emission Tomography (PET) CT scanner was installed in 2016 and inaugurated by the then Chief Minister of Maharashtra.

The department thus has been a pioneer in introducing the most advanced technologies in the country in nuclear medicine.

This is the most sensitive and advanced PET scanner, allowing rapid scans at low radiation doses. The department thus has been a pioneer in introducing the most advanced technologies in the country in nuclear medicine, along with the introduction of technologies using novel molecules. TRODAT SPECT scans for Parkinson's Disease were used for the first time here. Imaging

somatostatin receptors for neuro-endocrine tumours, PSMA PET-CT for prostate cancer, Fibroblast Activation Protein Inhibitor (FAPI) imaging for all cancers, exendin scans for insulinomas are all routinely performed here and metastatic prostate cancers, neuroendocrine tumours and thyroid cancers are effectively treated using this state-of-the-art technology.

Another distinction of the department has been that over 50 nuclear physicians have been trained under its Diplomate of National Board (DNB) program.



“

...Doctors, have a big responsibility
to bring smiles on the faces of suffering humanity. ”

-N. R. Narayana Murthy





JASLOK DOCTOR'S FAMILY





“ Medicines cure diseases, but
only doctors can cure patients. ”

- Carl Jung



JASLOK DOCTOR'S FAMILY



“ Those who choose to become doctors
do it because they have to heal. ”

-Alexandra Fuller

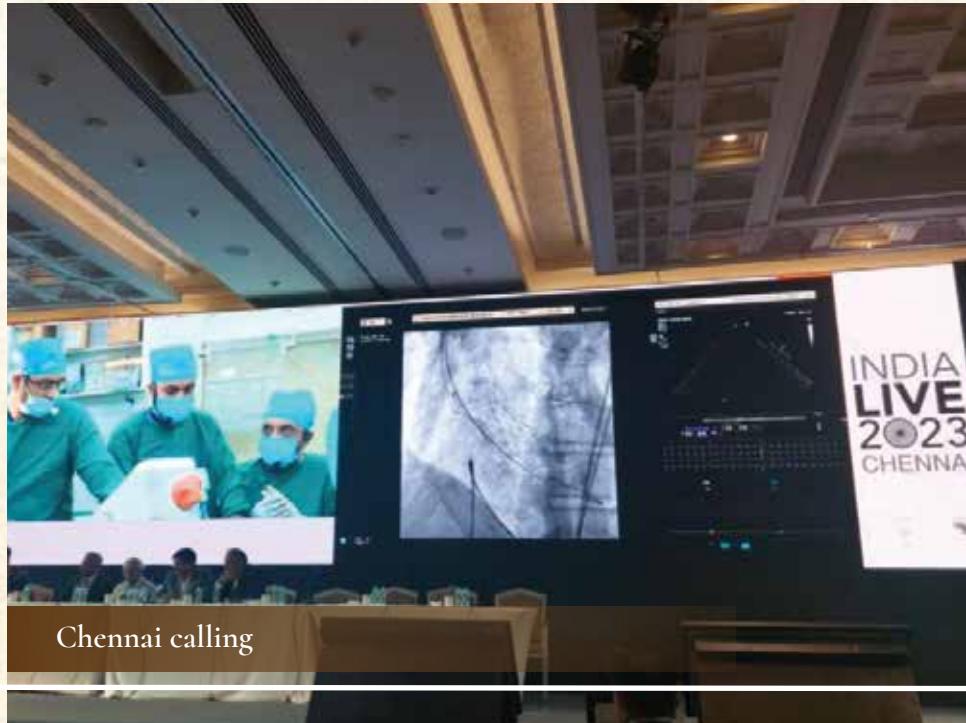
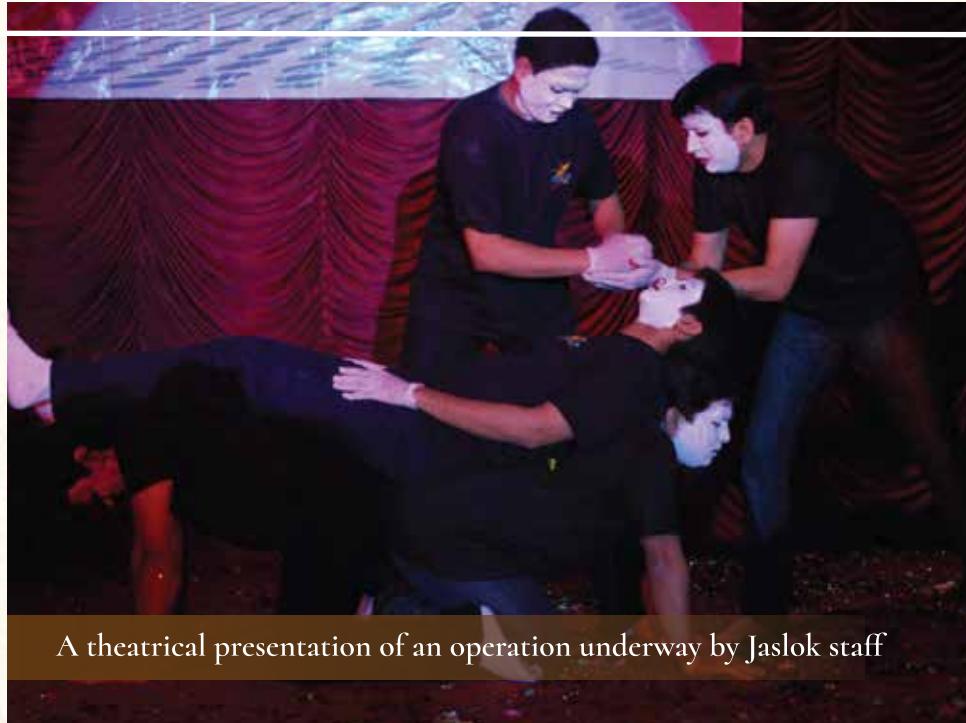




JASLOK DOCTOR'S FAMILY



05



LEADING THE WAY WITH RESEARCH

“

I believe in innovation and that the way you get innovation is you fund research and you learn the basic facts.

-Bill Gates



Medical Research has been an integral part of the Jaslok Hospital & Research Centre, since its inception.

Research being an aspect of the hospital's raison d'être, has been incorporated into the hospital's very name. Over the past 50 years, research at Jaslok Hospital has grown exponentially.

A Record of Accomplishments

Over five decades, the hospital has conducted more than 2,500 research studies and contributed to over 1,500 national and international medical publications.

Research being an aspect of the hospital's raison d'être, has been incorporated into the hospital's very name.



In 2022, 175 research studies were conducted. Of these, 30 were completed from the previous years, 40 were initiated and 105 were ongoing.

Research from Jaslok Hospital's consultants has been published in some of the most prestigious medical journals in the world such as The Lancet, The New England Journal of Medicine, Stroke, Neurology, Archives of Neurology, Journal of Clinical Oncology, British Medical Journal, Brain, British Journal of Surgery, American Journal of Psychiatry, International Journal of Human Genetics, Assisted Reproduction Reviews,

International Journal of Psychiatry in Medicine, Fertility & Sterility, Stereotactic & Functional Neurosurgery, Journal of Neurosurgery & Neuromodulation and over 400 others.

MATTERS OF STATE

Being one of the country's most renowned hospitals, Jaslok has had many an engagement with the leaders of the land. It is well known that the appointment of Moraji Desai, India's fourth Prime Minister, was actually decided in room no 1618 of the hospital in 1977; or that the doyen of the Congress party, Acharya Kriplani, underwent treatment here, as had Janta Dal leader Chandra Shekhar, who'd also gone on to become Prime Minister. But perhaps the hospital's most famous patient has been leader of the Janta Party Jaiprakash Narayan, whose vociferous revolt against Prime Minister Indira Gandhi had electrified the nation in the 70s. Just a few years after its opening Jaslok had become the cynosure of the nation's eyes, when the popular people's leader had been admitted to it for a prolonged period of dialysis. With the nation on the brink of a revolution, thanks to his rabble-rousing speeches and his every breath a national concern, many recall how a grave problem had ensued for the hospital, the day Narayan complained of breathlessness and rumors of his succumbing to a heart attack on its premises spread like wild fire across the country prompting his followers, who were convulsed with grief and anger, to begin marching towards the hospital. Fortunately for all, a crisis was averted when the rumors were soon debunked. And of course the next morning's newspaper headlines were full of praise for the hospital and his doctor for administering timely CPR to him. Narayan actually passed away in Bihar several weeks later.

HEROES OF JASLOK



Anagha Ghadi
Department: EMS
Joined : 1990



"My tenure at Jaslok Hospital has been immensely gratifying. One of the most beautiful experiences I have had is the service I was able to render to Covid-infected patients in the EMS. With fear looming in the whole universe about Covid, my team and I have worked tirelessly to console and care for the patients and their relatives too. Which is why I always take pride to say I am a Covid-warrior."

Congratulations, I pray that Jaslok Hospital and all attached to the hospital grow in stature with every passing year."

who pursue their specialised education at Jaslok Hospital, has been their dissertation consisting of novel and original research. Hence, every resident doctor at Jaslok Hospital is continually engaged in research, in addition to regular patient care.

Translating Research into Practice

Jaslok Hospital's laboratories and other diagnostic facilities work seamlessly with clinical and research services to ensure that there is a constant translational flow between research and enhanced patient care. For instance, the dissertation on reduction of bed sores from the nursing department, was immediately applied to create greater comfort for its inpatients.

Furthermore, the findings were shared with other hospitals within weeks.

PRASHANT GHARAT

I am Prashant Gharat, a 52 year old naval officer from Vizag. During my routine preventive health check-up my Stress Test turned out to be positive. I was advised to undergo an Angiography. As I am basically from Mumbai, my trust was always in Jaslok from my childhood. I flew down to Mumbai, underwent angiography and they found 3 blockages. Dr Rahul Chabria advised surgery. I met Dr Upendra Bhalerao who advised a Minimally Invasive Coronary Bypass Surgery. In just 5 days I was discharged and within the next 40 days I was back to my routine normal life. I highly recommend Jaslok Hospital to anyone who has heart ailment.



Credit Given Where Credit Is Due

Drs Noshir Wadia, R.D. Lele, Homi Dastur, Mani, Krishnaswamy amongst others, set the pace for world class research. Their lead continues to be followed till today. Of course, a large part of the credit for the continuing achievements in research goes to the thousands of patients who, having gone through the detailed and sometimes intimidating informed consent forms and volunteer to participate in research.

Next are the individuals who selflessly give their time and intellect to the committees that rigorously approve and monitor the scientific and ethical aspects of the studies. Finally, Jaslok Hospital's outstanding physicians, residents and nurses who devote time to research, over and above their regular responsibilities.

The emphasis afforded to research by the hospital can be ascertained by the fact that a rigid requirement towards their degree, for the brightest medical graduates from across India



ACHIEVEMENTS

CARDIOLOGY

- 1st in India to start His Bundle Electrogaphy
- 1st in India to perform Cardiac Catheterization systematically in a newborn baby

1984-1992

NEPHROLOGY AND KIDNEY TRANSPLANTATION - RENAL HISTOPATHOLOGY

- 1st in western India to start Electron Microscopy in a private group

1973-1977

IMAGING AND INTERVENTIONAL RADIOLOGY

- 1st in western India to perform a CT Guided Biopsy

ENT

- 1st in India & Asia to perform cochlear implantation

CARDIOVASCULAR & THORACIC SURGERY

- 1st in western India to perform an open-heart surgery on a one-month old newborn baby

IMAGING AND INTERVENTIONAL RADIOLOGY

- 1st in western India to perform Percutaneous Complex Intracranial Aneurysm Coiling

ASSISTED REPRODUCTION

- 1st baby in South-East Asia by Intra Cytoplasmic Sperm Injection (ICSI)
- 1st baby in India by Mechanical Assisted Hatching
- 1st pregnancy in India using Testicular Sperm and ICSI

PAEDIATRICS

- 1st in western India to perform a paediatric liver transplant

CARDIOVASCULAR & THORACIC SURGERY

- 1st in western India to perform a minimally invasive open-heart surgery

FUNCTIONAL NEUROSURGERY

- 1st in India to perform Pallidotomy for Parkinson's Disease

1993-1997

FUNCTIONAL NEUROSURGERY AND PAIN MEDICINE

- 1st in India to perform Diaphragmatic Stimulation for Diaphragm Paralysis
- 1st in India to perform Spinal Cord Stimulation for pain
- 1st in India to perform Peripheral Nerve Stimulation

ASSISTED REPRODUCTION

- 1st centre in the world to introduce Cumulus Aided Transfer (CAT) for IVF

FUNCTIONAL NEUROSURGERY

- 1st in India to perform STN Lesioning for Parkinson's Disease
- 1st in India to perform Baclofen Pump Installation for Spasticity in child
- 1st in India to perform surgery for dual pacemakers, one for cardiac and another for Parkinson's Disease

NEPHROLOGY AND KIDNEY TRANSPLANTATION

- 1st in India to perform a successful Renal Swap Transplant

UROLOGY

- 1st in western India to establish the subspecialty of neurourology
- 1st in Asia for innovative techniques for Neuropathic Bladder

PAIN MEDICINE

- 1st in India to perform Percutaneous Disc Nucleoplasty for Contained Disc Herniation

2003-2007

2008-2012

FUNCTIONAL NEUROSURGERY AND PAIN MEDICINE

1st in India to perform Occipital Nerve Stimulation for migraines

ASSISTED REPRODUCTION

1st pregnancy and live birth in India by PGT for a Robertsonian Translocation

FUNCTIONAL NEUROSURGERY

- 1st in India to perform Capsulotomy for Obsessive Compulsive Disease
- 1st in India to perform Deep Brain Stimulation for Persistent Vegetative State
- 1st in India to perform a Thalamotomy for Writer's Dystonia
- 1st in India to perform a Cervical Rhizotomy for Cervical Dystonia

IMAGING AND INTERVENTIONAL RADIOLOGY

- 1st in India, Asia, and Pan-Pacific region to perform MRgFUS - GE MRI with Insitek Hifu - MR guided focused ultrasound surgery
- 1st in India to treat Uterine Fibroid with MRgFUS
- 1st in India to treat FOCAL Uterine ADENOMYOSIS with MRgFUS
- 1st fetoscopy guided laser for twin transfusion syndrome in India
- 1st in India to treat DIFFUSE Uterine ADENOMYOSIS with MRgFUS
- 1st in India to treat bony metastasis with MRgFUS
- 1st in India to treat prostate cancer with MRgFUS

NEUROSURGEY

1st in the world to perform simultaneous PPN and STN Deep Brain Stimulation for PD/PSP patient

2018-2023

ASSISTED REPRODUCTION

- 1st pregnancy in India by PGT for a Three-way Cryptic Translocation
- 1st twin live births in India by PGT-M for BRCA1 Mutation
- 1st IVF center in India to use Artificial Intelligence to select the best embryo for embryo transfer to increase pregnancy rate

FUNCTIONAL NEUROSURGERY AND PAIN MEDICINE

- 1st in India to perform Spinal Cord Stimulation for a minimally conscious state
- 1st in India to perform Motor Cortex Stimulation for post-stroke pain
- 1st in India to perform combined Motor Cortex Stimulation and Spinal Cord Stimulation for Diabetic Peripheral Neuropathy

CARDIOLOGY

- 1st in India to perform a Caval Valve Replacement in a carcinoid patient
- 1st in India to perform a TAVI on a transgender patient with compromised immunity

FUNCTIONAL NEUROSURGERY

1st in India to perform Deep Brain Stimulation of thalamus and CZi for uncontrollable Cerebeller Tremors

PAIN MEDICINE

1st in India to perform a clinical application of Deep TMS application for treating chronic pain

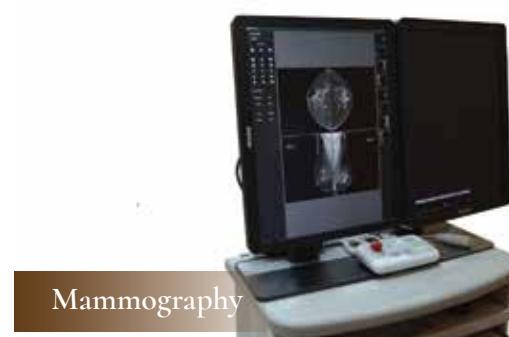
2013-2017

06



EVOLUTION OF TECHNOLOGY

DEPARTMENT OF IMAGING AND INTERVENTIONAL RADIOLOGY



The Department of Imaging and Interventional Radiology has always been at the forefront of advances in diagnosis, treatment and imaging. It has to its credit:

- 1st Spiral CT in India
- 1st 64 slice Cardiac MDCT in India
- 1st Single slice dual energy CT in India.
- 1st 3D rotational DSA in India
- 1st MRI with TIM technology with parallel imaging
- 1st 3T MRI with TIM technology
- 1st 3T MRI with AI based technology
- 1st MRgFUS in South East Asia
- 1st ARFI in India
- 1st ABVS in India

CT SCAN

Single source dual energy volume CT scan with latest available technologies and high resolution images with reduced radiation doses

Newer applications:

- CT Non invasive Coronary Angiography
- CT Perfusion – Stroke and tumour evaluation
- Virtual bronchoscopy and colonoscopy

- CT Angiography- pulmonary, peripheral and cerebral

CT GUIDED INTERVENTIONS

All percutaneous biopsies, drainages and ablative procedures done, largest in private setup.

Procedures performed:

- Biopsies
- Drainages
- Tumour ablations (RF / microwave)
- Vertebroplasty / Sacroplasty / Kyphoplasty
- Lumbar sympathectomy
- Pain therapy – alcohol ablation in cancer patients
- Pleurodesis

MRI

Latest art 3T Philips MRI Ingenia Elition X with AI based technology with ultrafast imaging

Newer Applications:

- Revolutionary neuro-oncology imaging tools-APT and ASL
- MR PET
- Functional MRI: To visualise motor, sensory centres and white matter tracts, mandatory for tumour surgery

MRGFUS (MR GUIDED FOCUSED ULTRASOUND SURGERY)

- First unit in South East Asia -BODY MRgFUS UNIT WITH 1.5T MRI
- 3000 MRgFUS treatments - second largest number of treatments in the world
- Totally non-invasive revolutionary technology to perform surgery without surgery.
- Treatment of lesions with high intensity ultrasound under MR guidance
- No radiation
- No incision
- No general anaesthesia

Applications:

- Treatment of uterine fibroids
- Treatment of focal and diffuse adenomyosis
- Treatment of metastatic and primary bone tumours
- Treatment of low-grade prostatic cancer
- Treatment of Degenerative Lumbar Facet arthropathy
- Treatment of soft tissue tumours
- Treatment of lumbar spinous process metastasis

The department plans to upgrade the facility to include Brain MRgFUS, to treat brain lesions like intentional tremors, Parkinson's Disease, psychiatric diseases, epilepsy, inoperable brain tumours, etc.

DSA (DIGITAL SUBTRACTION ANGIOGRAPHY)

Philips Allura Xper FD 20 high end 3D rotational angiography DSA with Dyna CT, Vaso CT, 3D rotational CT and 3D road map, among the first of its kind.

Applications:

- Coiling of intracranial aneurysms and vascular malformations
- Occlusion of bleeders in the body
- Stenting of narrowed vessels across the body
- TIPSS in cirrhosis and before liver transplant

MAMMOGRAPHY

Latest Fuji Ammulate Innovality Mammography Unit with 2D, 3D, Tomo, Stereotactic biopsy, CDM and CAD facility - the first in this part of India with "VAAB".

Earliest detection of breast cancer

ULTRASOUND

The ultrasound department has latest technologies:

- Elastography of liver as well as for local parts like breast and thyroid
- Pain management procedures
- Foetal interventions like intrauterine transfusions, embryo reductions, amniocentesis and chorionic villus sampling
- Routine interventions like biopsies, aspirations and tappings

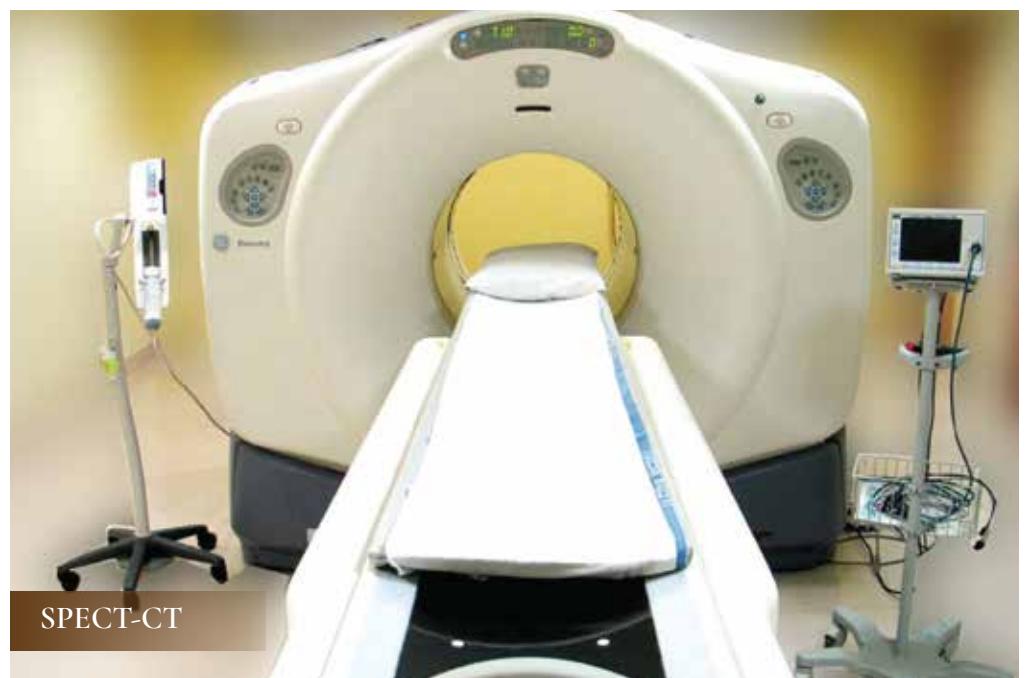
DEPARTMENT OF NUCLEAR MEDICINE



PET-CT scanner



Gamma camera with SPECT-CT



SPECT-CT

Started in 1977, the department has been a trailblazer in introducing new and the most advanced technology in nuclear medicine.

The Mo-Tc generator was used for the first time here. The country's first Triple head Gamma Camera was installed in the 1990s, revolutionising brain and heart scans.

Radioimmunoassay introduced on a routine basis for endocrine patients. The first hybrid PET/gamma camera system was installed in early 2000, then a full-fledged PET-CT scanner. India's first 5

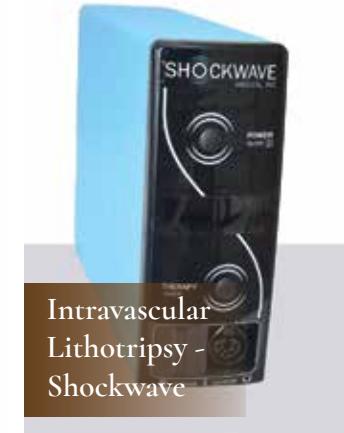
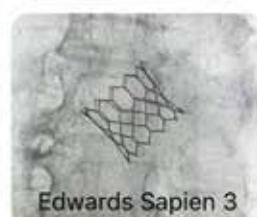
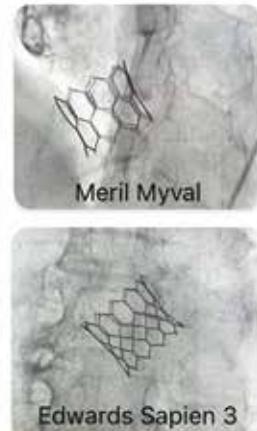
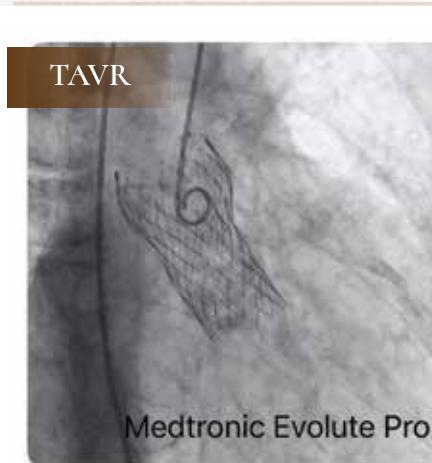
ring PET CT scanner was installed in 2016 and inaugurated by the then Chief Minister of Maharashtra.

Several new firsts in the country include TRODAT SPECT scans for Parkinson's Disease, imaging somatostatin receptors for neuroendocrine tumours, PSMA PET-CT for prostate cancer, FAPI imaging for all cancers, extending scans for insulinomas. Therapy of cancers with nuclear medicine was again pioneered here. Metastatic prostate cancers, neuroendocrine tumours, and thyroid cancers are effectively treated using state-of-the-art technology.

DEPARTMENT OF CARDIOLOGY



Cath Lab



INVASIVE CARDIOLOGY

Jaslok Hospital & Research Centre boasts of a completely state-of-the-art catheterization lab - Azurion 7C12.

It has special features like live image guidance, multi-modality imaging, coronary roadmap, stent boost Live and IVUS SyncVision to improve precision and accuracy

The catheterization lab at Jaslok Hospital performs all kinds of advanced interventional procedures as below:

Intravascular Lithotripsy - Shockwave

The lithotripsy technology generates acoustic pressure pulses disrupting calcium within the calcified lesion.

ROTABLATOR™ Rotational Atherectomy System

The Rotablator is a catheter-based device using a diamond-coated elliptical burr which rotates up to 90,000rpm to ablate calcified plaques into fine particles.

In addition, the Jaslok Hospital catheterization lab has various tools to improve the objectiveness and accuracy of coronary angioplasty.

Image Modality : IVUS (OptiCross™ 40Mhz)

Intravascular Ultrasound (or IVUS) allows us to see a coronary artery from the inside-out. This cross-section view can aid in stent sizing, positioning & expansion.

Physiological Assessment Test - Fractional flow reserve (FFR)

FFR is considered nowadays as a gold standard to assess whether any stenosis is responsible for inducible ischemia.

TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR)

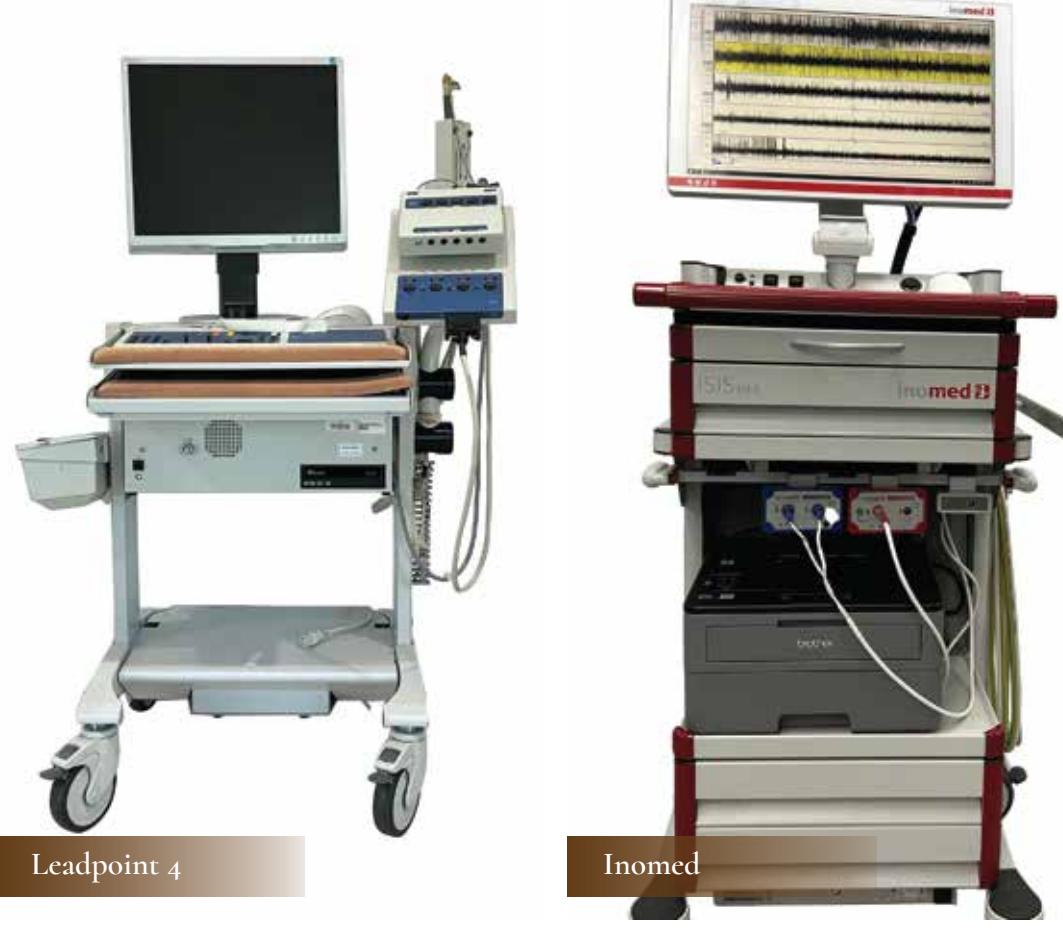
Transcatheter aortic valve replacement (TAVR) is a method of replacing the diseased aortic valve without open heart surgery. It is done via the groin in a patient who is awake.

Jaslok Hospital & Research Centre was one of the first to start TAVR in Maharashtra and has performed scores of cases with minimal complications.

NON-INVASIVE CARDIOLOGY

In 1978, the Echocardiography Centre was established, with only two other such centres in the entire nation. The latest Echocardiography machine offers advanced strain rate imaging & 3D echocardiography.

DEPARTMENT OF FUNCTIONAL NEUROSURGERY



Jaslok Hospital & Research Centre was the first hospital in the city to introduce stereotactic surgery by Dr Dastur and Dr Gajendra Sinh, following the visit of Prof Lauri Laitinen, from Sweden. However, it got a much needed thrust in 1998 when the functional neurosurgical program was started.

- 1st to introduce endoscopic surgery to the city.
- 1st Medtronic Kinetra pacemaker implanted for Parkinson's Disease in India in 1999
- 1st Boston Scientific Vercise DBS system used in ASIA PACIFIC, 2015. This was further followed by the launches of Genus DBS system (2019) and Gevia DBS system (2022) in the country
- 1st in India to acquire Medtronic Leadpoint 4 Microelectrode recording (MER) machine and later on Inomed, (First in India) MER. It is the only centre to have both these different MER in one institute.
- 1st centre to used the closed loop Medtronic DBS system in South East Asia 2021
- 1st centre to use Intellis system (Medtronic) for motor cortex stimulation in India

DEPARTMENT OF UROLOGY



Holmium Laser



Thulium Laser



Penile Prosthesis



Robot- Da Vinci Si



ESWL

- 1st teaching hospital to have state of art ESWL (Lithotriptor) and Upper tract Endourology(Ureteroscopy and PCNL) and Stone Clinic
- Video Prostatectomy
- 1st hospital to use 180 XPS Green Light Laser
- RIRS (Retrograde Intrarenal Surgery)
- with latest Holmium and Thulium Laser
- 1st hospital to do a Sacral Neuro-Modulation for bladder
- Robotic surgery with Da Vinci robot
- 4K laparoscopy set up
- Use of high definition intraoperative ultrasound for renal transplants and uro-oncology robotic surgeries

DEPARTMENT OF RADIOTHERAPY



It has been five decades of radiotherapy service at Jaslok Hospital and Research Centre

The Radiation Oncology Department at Jaslok Hospital comes with a long rich history. Starting way back in 1974, we have been doing exemplary work for the last 49 years.

The department has achieved several milestones over five decades with several firsts like the preloaded radium applicators for brachytherapy, superficial and deep x-ray therapy to telecobalt machines, conventional simulators to the first X knife linear

accelerator for radiosurgery in 1997-1998.

In 2007-2008, it was one of the first to get image guidance CT scan based imaging technique for radiation delivery.

The latest linear accelerator acquisition TRUEBEAM-STX system version 2.7 delivers precise dosage quickly and is designed to treat cancer wherever it's found in the body, with many special features. It comes with tools for advanced image-guided radiation therapy (IGRT) capabilities like respiration-synchronised MV/kV radiographs, 4D CBCT, Iterative CBCT and Triggered Imaging.

DEPARTMENT OF ENT



Riester Video-Otoscope:

To visualise Tympanic Membrane with recording and saving image functions.

Olympus Flexible Naso-pharyngo-laryngoscope:

For visualisation of Nasal Cavity, Nasopharynx and Larynx.

Oto-acoustic Equipment:

Used for hearing assessment in newborn babies for early intervention or any other congenital hearing problems.

Speech & Voice Analyser:

Indicates changes in voice as a result of several ailments, even indicates early signs of laryngeal diseases.

Equipment for Vertigo Diagnostics (VNG belt, Frenzel Glasses):

For performing vertigo diagnostic tests like VNG, SVV Test, DVA Test.

Medtronic IPC and Debrider:

Used in Endoscopic Sinus Surgeries, Endoscopic Skull Base Surgeries, Endoscopic Adenoidectomy

Carl Zeiss Opmi Vario Microscope:

For all ear surgeries

Karl Storz 4k Rubina Image 1 Endoscopic Unit:

For all Endoscopic Sinus and Skull Base Surgeries

DEPARTMENT OF PAIN MANAGEMENT



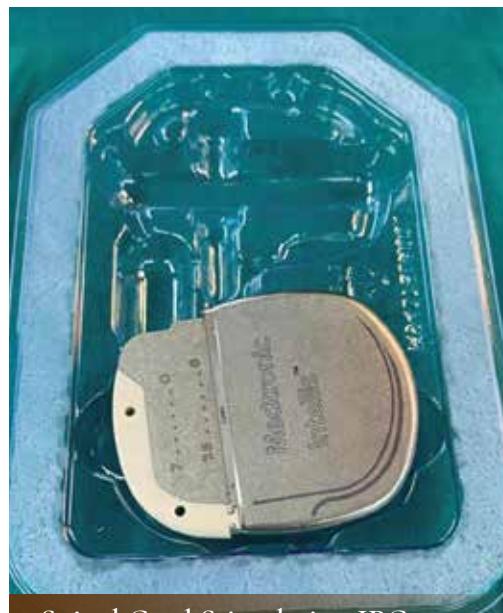
Deep rTMS with H-coil



Spinal Cord Stimulation kit



Intellis-neurostimulator



Spinal Cord Stimulation IPG

SPINAL CORD STIMULATION

Spinal cord stimulation is an advanced pain management modality involving percutaneous placement of a stimulating electrode in epidural space for neuromodulation in the spinal canal to manage severe refractory chronic neuropathic pain on a long-term basis.

This can be a life-changer in patients having significant disability due to refractory pain.

It was performed for the first time at Jaslok Hospital & Research Centre (in western India) in 2007 for a patient with post-spinal surgery pain syndrome and is regularly performed since then for

patients with Failed Back Surgery Syndrome, Complex Regional Pain Syndrome, diabetic neuropathy and ischemic pain syndromes.

INTELLIS (DTM ALGORITHM) IPG

Intellis (DTM algorithm) IPG implanted for the first time in entire Asia in October 2021.

NON-INVASIVE DEEP rTMS WITH H-COIL

Non-invasive deep rTMS with H-coil used for the first time in India for managing severe refractory neuropathic pain in two patients in March 2023 in the R & R Medicine Department.

DEPARTMENT OF VASCULAR SCIENCES



Endovenous Laser

ENDOVENOUS LASER TREATMENT FOR VARICOSE VEINS

Varicose veins affect almost 20% of the adult population aged over 50 years. Patients with varicose veins can experience significant problems such as heaviness of the leg, leg cramps, ankle swelling and even skin wounds around the ankles called 'ulcers'.

In January 2003, the first case of a revolutionary method of treatment, laser treatment for varicose veins, was performed at Jaslok Hospital & Research Centre. 6th January, 2003 – First case of Endovenous Laser treatment in India.

Laser treatment is a minimally invasive non surgical technique, performed with local anaesthetic, and without any incisions, stitches or scars. The laser energy closes the veins using targeted heat energy. The procedure usually takes under 20 minutes to perform, and the patient is fully mobile after the treatment and can perform all routine activities the same day.

Over the last 20 years, thousands of patients have successfully undergone laser treatment at Jaslok Hospital with excellent results.

DEPARTMENT OF NEUROLOGY



Besides pioneering a recognized electrophysiology service in 1973, evoked potential assessment became available at Jaslok Hospital & Research Centre before other hospitals. Jaslok Hospital was also the first to offer single fibre EMG service in a private sector hospital.

In 2000, long-term video-EEG monitoring for refractory epilepsy was introduced in Jaslok Hospital to aid identification of patients who would benefit from epilepsy surgery.

Intraoperative neuromonitoring used to monitor a patient's nervous system function during surgeries and enhance safety of surgical procedures was introduced in Jaslok Hospital.

Botulinum toxin injection and programming for deep brain stimulation was pioneered at the Movement Disorders Clinic in Jaslok Hospital.

Algorithmic analysis of stroke and administration of intravenous thrombolysis therapy along with the judicious application of mechanical thrombectomy for stroke was also introduced in Jaslok Hospital before it became the norm. The Neurology Department ensured pace setting in all these endeavours.

DEPARTMENT OF HISTOPATHOLOGY



ELECTRON MICROSCOPY

Jaslok Hospital & Research Centre was the first institute to establish a full-fledged functioning Diagnostic Electron Microscope in western and southern India. From its inception in 1983 the electron microscopy department has received samples from consultants in Jaslok Hospital, rest of India and neighbouring countries like Bangladesh, Sri Lanka, UAE & Nigeria.

There has been an increase in numbers of kidney biopsies being interpreted at Jaslok Hospital, since all three modalities necessary for the precise diagnosis of renal disease are present in Jaslok Hospital.

As a result, the department has had the privilege of interpreting 21,446 renal biopsies (to date), thus playing a very vital role in management of kidney disease especially for those having received precious transplants.

DEPARTMENT OF ANAESTHESIOLOGY



Care Station 650



Video Laryngoscope



Portable USG Machine



Optiflow Thrive

The Department of Anaesthesiology was established right from the inception of the hospital - 1973. Eight operation theatres were made functional on the 18th floor, and the first surgery done was an Incisional Hernia repair.

- In 1974, the first kidney transplant successfully done, since successfully running.
- In 1998, the first ever living related liver transplant in western India was successfully conducted and continues to this day.
- Robotic surgery was started in 2015, followed by a heart transplant program in 2020

The department is equipped with the latest anaesthesia workstations, video laryngoscopes, fibre-optic scopes, ultrasounds, transoesophageal echocardiogram, THRIVE and latest equipment and drugs required for safe anaesthesia.

The mission of this department is to provide the best possible patient care by fostering excellence in anaesthesia and pain medicine, in a safe and efficacious manner making the hospital journey most comfortable and pain free for the patient.

DEPARTMENT OF ENDOCRINOLOGY

Glycosylated haemoglobin or HbA_{1c} is the most frequently used blood test which gives insight into the past three months of blood glucose.

The earliest research in India to study glycosylated haemoglobin was conducted at Jaslok Hospital & Research Centre.

In 1976, department consultants led by Dr H. B. Chandalia with

the help of associates promptly developed a chemical method to determine total glycosylated Hb in the blood.

The first clinical paper on this subject in India was published in Journal of Association of Physicians in India (1980).

Thereafter, these investigators published six papers on this subject including in Lancet (1984) and Current Science (2002).

DEPARTMENT OF OPHTHALMOLOGY



The Department of Ophthalmology was started at the inception of Jaslok Hospital & Research Centre. In the 1970, Xenon ARC photocoagulation, Fundus Fluorescein Angiography and Argon- Krypton Lasers for retinal diseases were first introduced in our country at Jaslok Hospital.

The modern phacoemulsification cataract surgery was first performed in India at Jaslok Hospital in the mid 1980s.

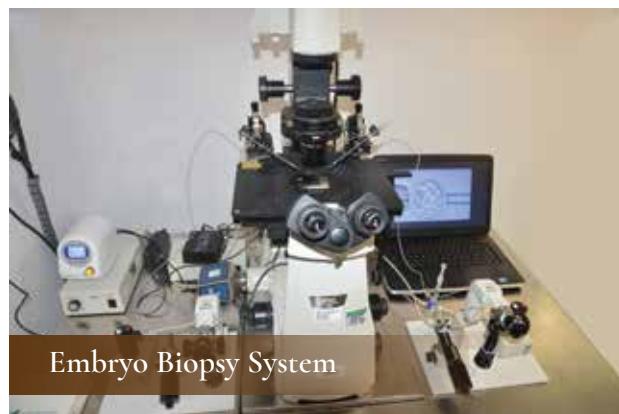
Modern Phacoemulsification Cataract surgery with high end machines (Infinity and Centurion) are in use. Complex Vitreoretinal surgery with Oertli 4 and the latest Lasers (Green Iridex) are in use. Management of premature babies and diabetic eye diseases with Green Laser, and Intravitreal injections (Lucentis, Eylea) changed the management of retinal diseases.

Eye tumours are being managed. Squint, glaucoma, and cosmetic surgeries are frequently performed. Jaslok Hospital has been at the forefront of all these changes.

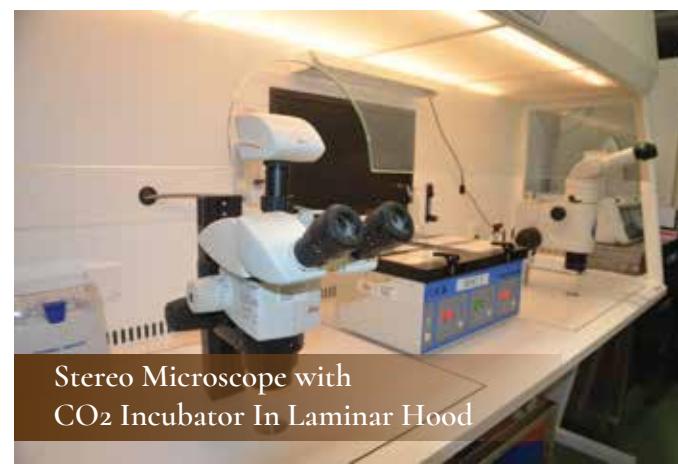
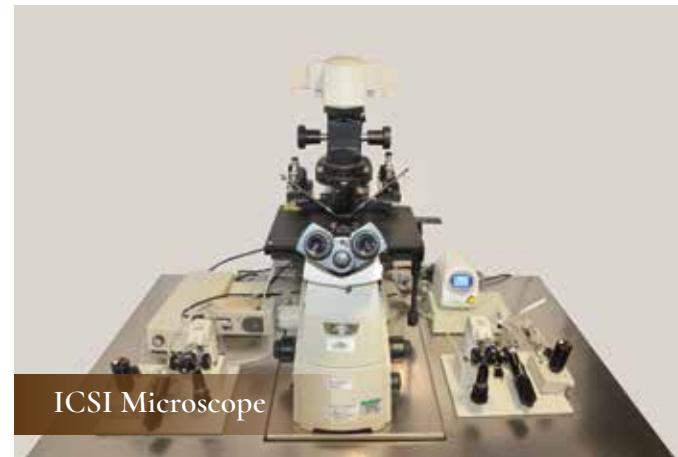
IOL Master- for lens measurements, A/B scan Ultrasound, Angiography cameras, Optical Coherence Tomography, Humphry's Perimeter advanced squint examination instruments, corneal transplant surgeries and laser treatments are also offered to our patients.

DEPARTMENT OF ASSISTED REPRODUCTION

THE JASLOK-FERTILTREE INTERNATIONAL FERTILITY CENTRE



Embryo Biopsy System



PCR Thermal Cycler





Jaslok-FertilTree has advanced international technology for all aspects of fertility treatments including for Intrauterine insemination (IUI), In Vitro Fertilisation (IVF), Intracytoplasmic Sperm Injection (ICSI), Intracytoplasmic Morphologically Selected Sperm Injection (IMSI), Laser Assisted Hatching (LAH), Preimplantation Genetic Testing for common and rare genetic disorders, Sperm and Testicular Tissue Freezing, Embryo Cryopreservation, Oocyte and Ovarian Tissue freezing, and Cumulus Aided Transfer (CAT). It has pioneered techniques for ovarian and endometrial rejuvenation.

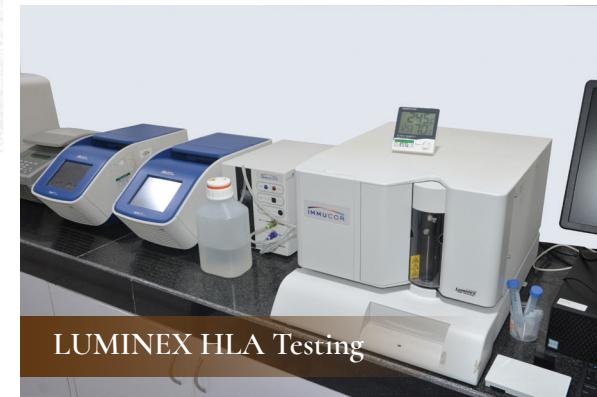
Additionally, it has a fully functional advanced Andrology Laboratory.

The Genetics Laboratory uses state of the art technology such as automated Karyotyping workstations for chromosome analysis and Fluorescence in situ Hybridization (FISH).

It has equipment for molecular genetic tests like the Polymerase Chain Reaction (PCR) and facilities for Next Generation Sequencing (NGS). Prenatal, Postnatal and Preimplantation Genetic Testing (PGT) is also carried out routinely in the laboratory.

Jaslok-FertilTree is a pioneer in Assisted Reproduction, spearheading scientific innovations.

DEPARTMENT OF LABORATORY MEDICINE



DxFlex Flow cytometer by
Beckman Coulter



The Department of Laboratory Medicine has existed at Jaslok Hospital & Research Centre since its inception. It has seen a metamorphosis, from then available manual testing methods to modern, fully automated advanced systems in diagnostics. The department is a pioneer for various state-of-the-art technology initiatives in the country providing advanced diagnostic services in a wide variety of areas, with highly trained specialists.

BIOCHEMISTRY

A compact automated immunoassay system. Broad menu: 100+ parameters for the diagnosis of cardiovascular, infectious, cancers, infertility, pregnancy and thyroiditis.

Roche COBAS PURE

Autoanalyser with integrated solutions. Menu: 230+ parameters. Reaction time \leq 18 minutes, with STAT \leq 9 min.

HEMATOLOGY

Sysmex - XN Series

The machine is a 6 part fully automated CBC analyzer. Throughput: 90 tests/ hour.

Flowcytometry

FACS Canto™ II Flow Cytometer is used for testing of CD34 stem cells, single marker analysis, leukaemia-lymphoma panels.

MOLECULAR MEDICINE

Biosafety Level 3 Testing Facility

The facility is used for testing infectious agents and is ICMR recognized and NABL approved. The laboratory provides for a

broad menu of tests. These include cancer, neurological, genetic and infectious diseases.

IMMUNOLOGY

Luminex:

used in transplant Immunology to perform specialised pre transplant tests such as HLA typing (6 loci), DSA (donor specific antibody), HLA B27 etc.

Cobas E411:

A fully automated analyzer. Used for testing Vitamin, thyroid, hormone, therapeutic drug, tumour markers.

MICROBIOLOGY

BacT Alert 3D:

Automated blood and body fluid detection system. Helps in rapid growth of microorganisms for early diagnosis of sepsis.

VITEK 2 Compac:

Automated system that performs bacterial and yeast identification and antibiotic susceptibility testing.

BIOFIRE:

A multiplex PCR followed by a microarray technology to detect PCR products. Test panels: Gastrointestinal, Meningitis/Encephalitis, Upper respiratory, Pneumonia. Reports within 2hrs.

Genexpert Instrument System:

Real Time PCR system, helpful in early and reliable diagnosis of pulmonary and extra-pulmonary TB and C.difficile in a turnaround time of 2 hrs

DEPARTMENT OF HEPATO-PANCREATO-BILIARY SURGERY & LIVER TRANSPLANTATION ROBOTIC ASSISTED LIVE DONOR LIVER SURGERY



Robot- Da Vinci Si

The Jaslok Hospital & Research Centre performed western India's first complete Robotic Assisted Live Liver Donor Surgery. Robotic live liver donor surgery has changed the face of live donor liver surgery.

Most of the post-operative morbidities associated with open donor surgery is due to abdominal wall trauma itself, with short and long-term disabilities like keloid scar, hernias, pain, discomfort and delay in return to normal activities.

Eliminating the large incision and its sequelae would be a major advantage for the donor. With reducing pain itself we can reduce recovery time of a donor to half so that they can become normal early as before. The added advantage of robotic assistance is the ease with which the complex surgeries are performed due to steady & amplified vision, better ergonomics of surgeries and precise dissection capabilities with wider range of movements.

Two of the most common donor complications by open live donor surgery are wound infection and incisional hernia, which can be attributed to the extensive tissue manipulation and abdominal wall trauma.

Another advantage of robotic surgery is better cosmesis. Incision in robotic surgeries are key holes instead of long upper abdominal scars which are better accepted by donors. Incidentally live liver donors are young and largely females who are more conscious cosmetically, hence they accept robotic surgeries with open arms.

DEPARTMENT OF CARDIOVASCULAR AND THORACIC SURGERY & HEART TRANSPLANTATION



MINIMALLY INVASIVE CARDIAC SURGERY

Most open-heart surgeries are feared because of prolonged recovery time & pain due to the prolonged healing time of the sternum – the breastbone. To circumvent this issue Jaslok Hospital & Research Centre has developed a technique of Minimally Invasive Cardiac Surgery, since 1995. In this technique, the sternum or ribs are not cut at all.

Through a small cut of about two inches on either side of the chest and with the help of thoracoscope, complete open-heart as well as beating heart surgery is performed. This not only gives a cosmetic scar but is almost pain free with rapid return to full activities.

In most cases valve repair and replacement, bypass surgery and

corrections of birth defects of the heart are performed through this approach. Jaslok Hospital has performed over 1000 cases by this approach with less than 1% risk till date.

HEART TRANSPLANT

At Jaslok Hospital, patients are offered heart transplants as a definitive treatment of end stage heart failure.

Several patients of cardiogenic shock after massive heart attacks were salvaged using Veno-arterial ECMO.

During Covid pandemic we performed veno-venous ECMO, giving time for the damaged lungs to recover. Jaslok Hospital was first hospital in western India to successfully bridge a patient with BIVAD onto heart transplant

MILESTONES

- **ORTHOPAEDICS**
1st orthopaedic super specialty hospital in the private sector in India
- **UROLOGY**
1st renal transplant programme in a private sector hospital in India
- **NEUROSURGERY**
1st private centre to introduce microscope and endoscope for neurosurgery in western India
- **UROLOGY**
1st private teaching hospital to introduce the lithotripter (ESWL) in western India

1973-1980

- **IMAGING AND INTERVENTIONAL RADIOLOGY**
 - 1st in India to perform a Siemen's ARSP CT scan - a further advancement of spiral CT technology
 - 1st Siemens MRI, inaugurated by Shri K. R. Narayanan, President of India
- **FUNCTIONAL NEUROSURGERY**
1st in India to have a Department of Stereotactic and Functional Neurosurgery

1990-1994

- **IMAGING AND INTERVENTIONAL RADIOLOGY**
 - 1st in India to have the Siemen's ARC spiral CT - a totally new technology in CT
 - 1st in India to perform a 3D rotational angiography using Siemen's DSA - a break through in DSA technology
 - 1st Colour Doppler in India - ATL machine
 - 1st in India to perform a Siemen's ARHP Computerised Tomography (CT) scan - further advancement in spiral CT technology
- **NUCLEAR MEDICINE**
 - 1st in western India to use Mo-Tc generator for obtaining radioisotope
 - 1st in India to install a Triple Head Gamma camera
- **PAEDIATRIC**
 - 1st corporate hospital in India to initiate the Baby Friendly Hospital Initiative in 1992, the same year that it was launched by WHO and UNICEF in India
 - 1st corporate hospital in Maharashtra to provide general paediatric care, paediatric critical care, infant critical care, and dedicated PICU and NICU facilities

1995-2000

- **ASSISTED REPRODUCTION**
 - 1st laboratory in India to offer Preimplantation Genetic Testing (PGT) for hereditary genetic conditions
 - 1st laboratory in India to offer the detection of 20 Microdeletions of the Y chromosome as a diagnostic test
 - 1st laboratory in India to offer Preimplantation Genetic Screening (PGS) by FISH technique for the detection of aneuploidies for 5-11 chromosomes
 - 1st laboratory in India to routinely offer FISH as a diagnostic test on various samples for conditions ranging from infertility to leukemia
- **PAEDIATRICS**
1st hospital in Maharashtra to have paediatric subspecialty OPDs (Developmental Paediatrics, Paediatric Neurology, Paediatric Nephrology & bladder clinic, Paediatric Gastroenterology, Paediatric Endocrinology, Paediatric Surgery, Paediatric Rheumatology, and Paediatric Cardiology)
- **IMAGING AND INTERVENTIONAL RADIOLOGY**
1st in India to offer the GE 16 slice light speed high end higher spiral CT Scan - a big leap in spiral CT technology with large detectors

2001-2005

2006-
2020

- **MEDICAL ONCOLOGY**

1st in India to start a Bone Marrow Transplant Department in the private sector

- **IMAGING AND INTERVENTIONAL RADIOLOGY**

- 1st in India to perform a GE 64 slice light speed high end higher spiral Cardiac CT Scan - further huge advancement in spiral CT technology with larger detectors
- 1st in India to perform a 1.5T MRI with Avento with TIM technology with parallel imaging
- 1st in India to perform a 3T MRI with TIM technology with parallel imaging
- 1st in India to perform a GE single source dual energy volume CT - a breakthrough technology in CT Scan
- 1st in India and Australasia to install a MRgFUS (GE MRI with Insitek Hifu)
- 1st in India to perform a state-of-the-art Allura Xper FD 20 - Philips 3D rotational angiography with Dyna CT DSA machine
- 1st in India to use the high-end Philips 3T Ingenia Elition X MRI with AI-based technology

- **NUCLEAR MEDICINE**

- 1st in India to install hybrid PET-Gamma camera systems
- 1st in India to Introduce TRODAT SPECT scans for Parkinson's Disease

- **UROLOGY**

- 1st in western India to start subspecialty in neuro-urology
- 1st in western India to start a pelvic floor clinic

- **NEUROSURGERY**

1st in India to file a patent for biomarker panel for detection of stroke

- **GASTROENTEROLOGY**

Initiated the manufacture of the drug Trientine in India for patients of Wilson's Disease as this was not available

- **JASLOK HOSPITAL**

Jaslok Annex built amidst the pandemic era and was built in a record period of 15 months

2021-
2023

- **IMAGING AND INTERVENTIONAL RADIOLOGY**

- Dept of Mammography - Fuji Amulet Innovality 3D digital mammography with dual-mode tomo synthesis CEDM
- Dept of BMD - Hologic Horizon WI

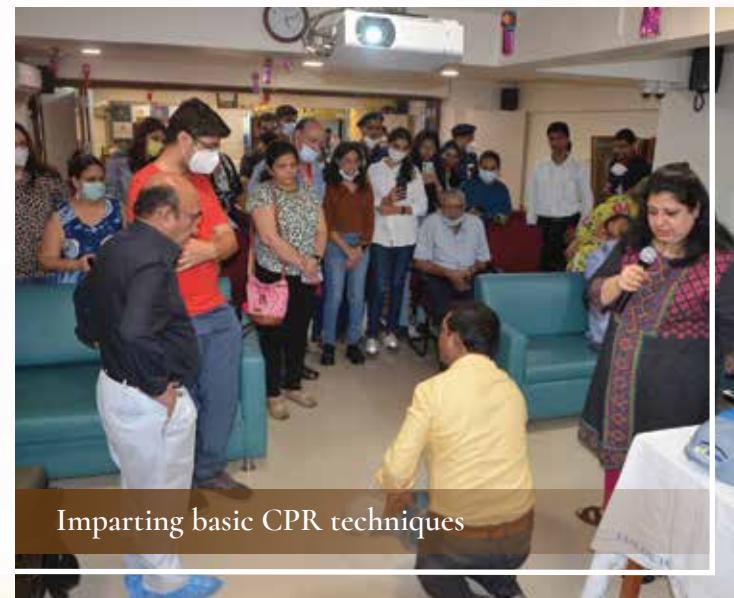
- **RESTORATIVE AND REGENERATIVE MEDICINE**

1st in India to have a Department of Restorative and Regenerative Medicine

- **NEUROSURGERY**

1st in India to start a Stereotactic and Functional Neurosurgery Fellowship

07



RISING TO THE COVID-19 CHALLENGE

“

The ultimate measure of a man is not where
he stands in moments of comfort and convenience,
but where he stands at times of challenge and controversy

-Martin Luther King



Given its deep commitment to public-spiritedness and social responsibility, it is no surprise that the Jaslok Hospital & Research Centre distinguished itself during the Covid-19 pandemic.

Not only was it recognized as having provided the highest number of beds by any private hospital in Mumbai, during the second and third waves, it was also acknowledged by the Minister of Health and Family Welfare of India, Mansukh L Mandaviya for providing the highest number of vaccinations given at a single location in Maharashtra and its vaccination efforts were highly appreciated and felicitated across the board.

A Dedicated Covid-19 Facility

So speedy was the hospital's response to the challenge of the pandemic, that it was able to set up a dedicated seven storeyed annex facility, to create a separate infrastructure for Covid and any infectious diseases in future.

The building houses 70 in-patient beds, a 15-bedded dedicated dialysis unit, (besides this dedicated dialysis unit, dialysis facility has been provided to 66 beds in the complex) a Nuclear Medicine Department, a hospital laboratory, along with a dedicated NABL-accredited lab for Covid testing.

So speedy was the hospital's response to the challenge of the pandemic, that it was able to set up a dedicated seven storeyed annex facility, to create a separate infrastructure for Covid and any infectious diseases in future.

infected air) are a provision for supply of oxygen, air and vacuum facilities to all beds in the facility, which have made it a landmark achievement in the clinical world by providing enhanced safety to patients and medical staff.

Other distinguished features of this state-of-the-art annex along with its 52-bed isolation facility, (providing a ratio of 74% of the beds capable of complete protection from inter-mixing of





Cricketing in Delhi



Two of the Nuclear Medicine Treatment machines also deserve special mention: The 5-ring CT Machine is part of only five in the country, offering the potential to reduce scan times or injected activities through increased sensitivity. Along with this, the Cardiac Spect is a solid state, highly sensitive detector among the very few of its kind in the country. It reduces the time of radiation exposure by as much as 60%.

A Unique Public Private Partnership

Thanks to this, Jaslok Hospital was able to

treat than 3,000 critical Covid-19 patients during the pandemic with the recovery rate of over 90% and vaccinate over 4,00,000 beneficiaries in Dharavi, New Mumbai and many other pockets of the city, free of cost in a unique association with its CSR partners.

The success of this enterprise prompted the Government of India to send a team of IAS, IPS and IFS officers for a field visit to the vaccination centre at Dharavi, to understand and study the unique PPP model behind the mammoth achievement of vaccinating masses free of cost.



BHARTI PARSHURAM ANGRE

My husband Parshuram Angre is a 48 year old heart patient. We had met cardiologists at Jaslok, because even after his earlier bypass surgery at another hospital, within a month he had started facing the same issues, as before his surgery.

Somehow, we pulled through during the 2 years of Covid, with doctors at Jaslok Hospital managing his treatment with medicines, but we were eagerly awaiting a donor heart for transplant. Then, one day we got a call from the hospital that they had got a heart, but alas, we realized that we did not have the required amount of money for the operation. It was when the Social Service team at Jaslok assured us that they would arrange the funds and we should get prepared for the heart transplant surgery, that we knew we were on our way. The transplant was done successfully and as a matter of fact my husband is the first person in all of Eastern India to have undergone a successful heart transplant, post a bypass surgery.



Other feathers in Jaslok Hospital's cap during this period are that it was the only hospital in western India to successfully complete 100 renal transplants in the calendar year during the pandemic; its director of Medical Research, Dr Rajesh Parikh, wrote one of the world's first books on the pandemic, published by Penguin Random House, which became a best-seller and was translated into several languages and launched to a global on-line audience.

Besides its provision for cutting-edge technology to fight the scourge it was the zeal and dedication

Jaslok Hospital was the only hospital in Western India to successfully complete 100 renal transplants in the calendar year during the pandemic.

of its medical staff that won the day: Practically every doctor, nurse and ward boy working in the Covid unit contracted the infection over the course of the pandemic, but came back to their duty with smiling faces.

Some brave staff were even known to have performed their duties while they themselves were

Covid-positive, demonstrating that there could be no greater testament to service and sense of duty. A few of the statements recorded during this period vividly capture the sense of humanity and selflessness demonstrated by the staff.



Inauguration of Jaslok Annex-The Jaslok Hospital & Citibank Management Team



The Christmas Spirit

MY NAME IS KHAN

Such is the nature of the hospital, that it is witness to all manner of visitors from all walks of life. And as often as these individuals are anonymous and unknown, many are also renowned and famous. And one day it so happened that one of Bollywood's biggest stars, Shah Rukh Khan, who had dropped in to visit a friend, had unknowingly stood in the queue for the elevator dedicated to doctors only. Bereft of makeup and his celebrated 'on-screen persona', the star was ticked off by the elderly security guard on duty, a stickler for rules. To his credit, Khan did not take recourse to the famous 'Don't you know who I am?' routine of the rich and famous and accepted his error with humility, flashing his famous dimpled smile, before quickly moving to the correct queue.



HEROES OF JASLOK



Pallavi Marathe

Department: Immunology

Joined: 1992



When Jaslok Hospital was the first to start immunological tests for cadaver transplants and we were required to come at any given point of day or night, the hospital supported us with travel facilities and also allowed a family member to escort us if required. This gave us and our families great confidence regarding our safety.

The hospital encourages cultural activities. Every year in January we have our cultural program which is attended and encouraged by our Chairperson Mrs Kanta Masand. We look forward to this event throughout the year.

Congratulations for 50 years and wish that the friendly atmosphere in the hospital for the employees continues forever!

Gratitude from within the ranks

'I was really touched with the care provided during such tough times, the nursing, housekeeping and other paramedical teams were exceptionally outstanding' says Dr Sachin Nair, from Administration, about this phase.

'I'm blessed to be part of Jaslok Hospital where I have been working since the past 14 years; the CEO's office would personally call and organise my quarantine stay and provide me with all what I

needed, which is very rare in any hospital' says Ms Steffi Jones, Technician.

'This was one of the first hospitals where the N95 masks were given free of cost. I feel very safe to work here, not only for me but for my family as well, as I am sure I am kept very much away from infections.'

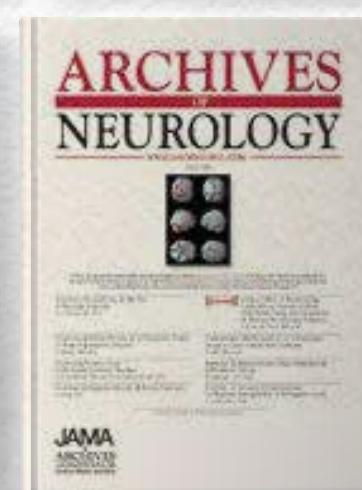
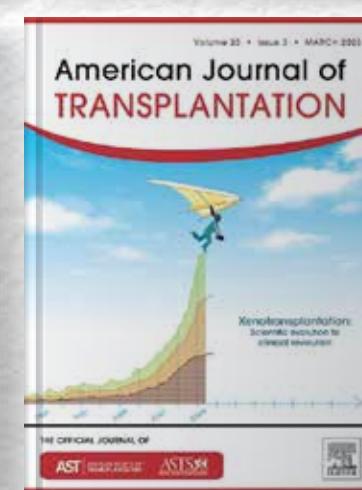
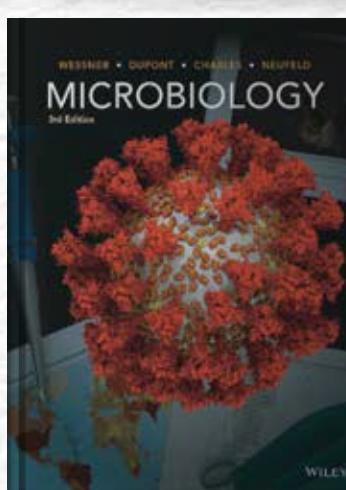
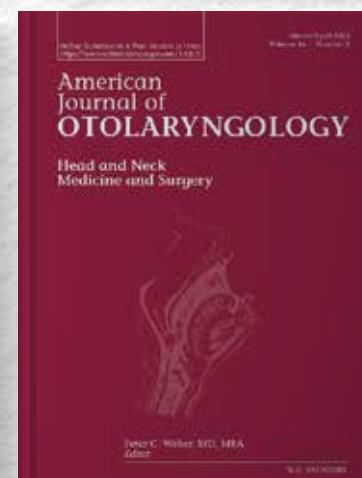
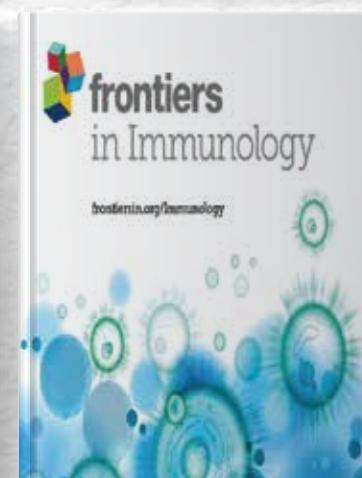
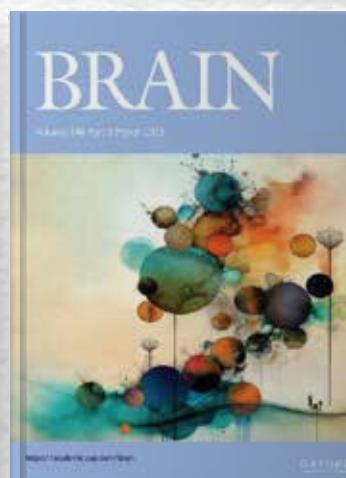
Thank you Jaslok Hospital' says Ms Sugandha Naik from the Nursing Team.



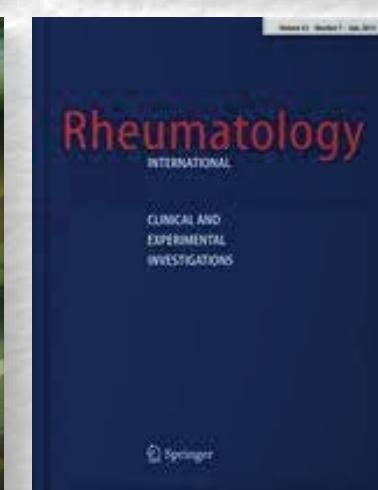
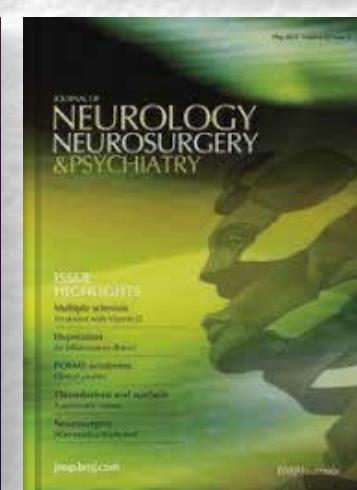
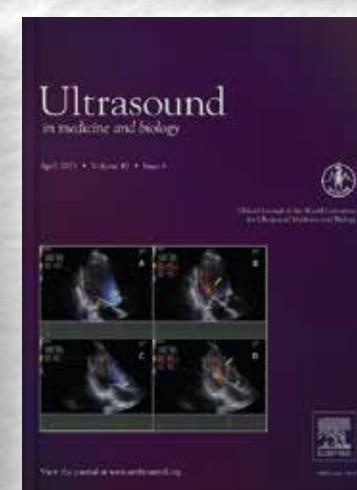
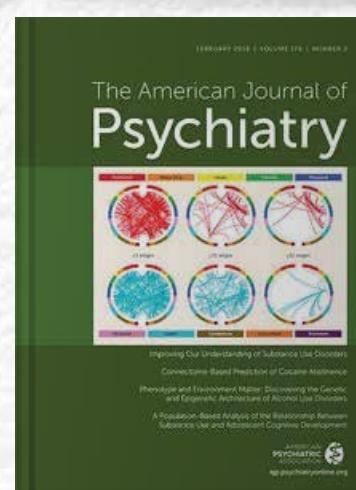
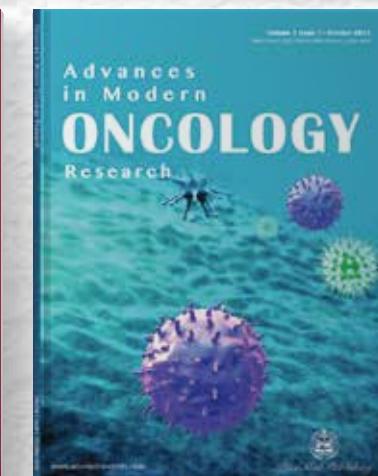
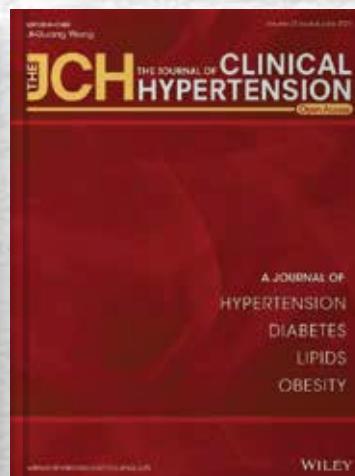
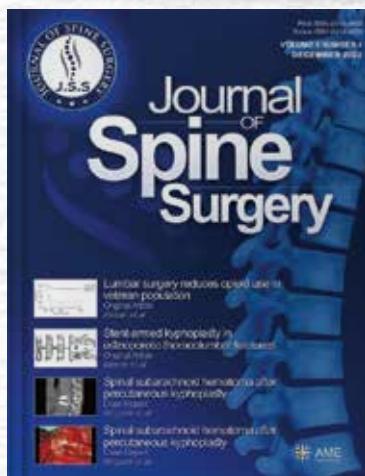
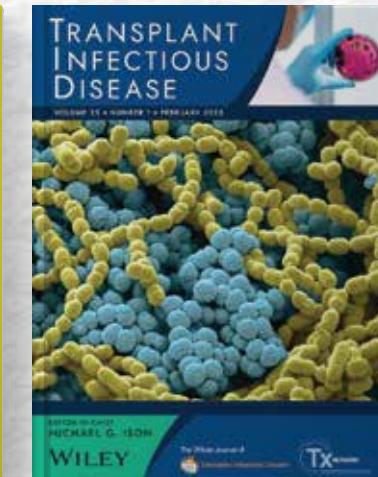
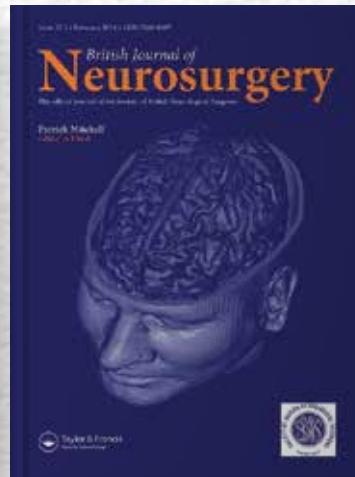
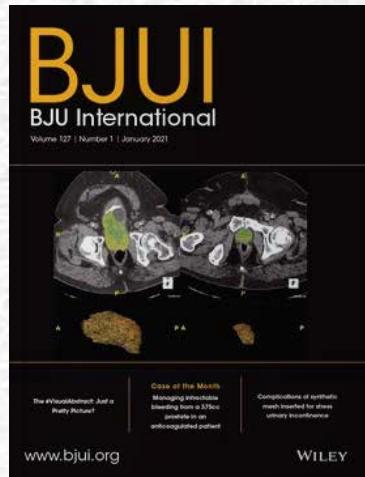
Brightening up the stage



JASLOK IN PRESTIGIOUS



US MEDICAL JOURNALS



08



HUMANITY HARD-WIRED INTO OUR DNA

“

Be the reason someone smiles.
Be the reason someone feels loved and
believes in the goodness in people

-Roy T. Bennett





Inauguration of state-of-the-art Operation Theatres by the Trustees



PURANSINGH THAKUR

I am 61 year old Puransingh Thakur from Nanded. I was suffering from acute back pain for almost 30 years, but since 2-3 years, it had gotten so bad that I was unable to walk and would just sit wherever I was –even on the pavements due to the unbearable pain. Finally, I came to Jaslok Hospital and underwent back surgery and within 7 days I was on my feet with zero pain.

Given that its founders envisioned Jaslok Hospital & Research Centre as one of the first tertiary care, multi-specialty public charitable trust hospitals in India, over the past five decades it has become an icon with its path-breaking work in medicine and CSR, providing vanguard treatment through a host of established specialties, equipped with state-of-the-art machines and a well-trained dedicated staff.

*As per the vision
Jaslok Hospital is
underprivileged
reserving 20% of
beds for the individual
weaker-category*

As per the vision of the founders, Jaslok Hospital serves the underprivileged and needy, by reserving 20% of its operational beds for the indigent and weaker-category patients, treating patients from orphanages and old age homes free of cost, or at concessional rates and offering concessions to senior citizens.

Jaslok Hospital's medical social workers also help needy patients raise funds from various trusts and fundraising platforms.

As per the vision of the founders, Jaslok Hospital serves the underprivileged and needy, by reserving 20% of its operational beds for the indigent and weaker-category patients,

with other charitable financial assistance directly to needy patients and additionally contributed to many charitable hospitals in tier 2 and 3 cities for patient care and treatment.

Covid And The Importance Of Resilience

A mental health pandemic is raging. But strategies to cope and fight back exist

HEROES OF JASLOK



Rajashree Nene
Department Microbiology
Joined: 1994

During my internship in 1992, when I was at a marriageable age, I was constantly advised by my seniors that my parents must mention that I work in Jaslok Hospital while looking for a groom, as it will enhance my prospects.

Later in 2017, when I was detected with ovarian cancer, I was treated well at the hospital and my family was just not stressed as they were confident that Jaslok Hospital would take care of me!

Congratulations on 50 years and wish to see Jaslok Hospital at greater heights!

extend its scientific and technological support to areas far off, the hospital has had the good fortune to start renal transplantation at the Government Medical College at Jammu & Government Medical College, Srinagar with complete support from the Director of Urology and his colleagues. The Professors of Urology at the Government Medical College, Srinagar are trained in Urology at Jaslok Hospital. Our Director of Urology has conducted lectures at the Cancer Hospital at Sopore, and also addressed the Nursing College, Srinagar on the occasion of International Women's Day.

Apart from medical services, the Director of Urology was actively involved in the restoration of part of the Children's Hospital in Kashmir, after the calamitous floods in the region.



“

In its continuous endeavour since its inception to serve the community and society and

This humanitarian, philanthropic approach to medicine has been fully supported by the hospital's trustees and in fact it could be said that humanity has been hardwired into Jaslok Hospital's very DNA.

Mission for Vision was established in 1991 by the family to eradicate avoidable blindness across the country by infrastructure development in partnership with reputable organisations to ensure free and affordable treatment to the most vulnerable communities. Jaslok Hospital & Research Centre has wholeheartedly supported this social initiative on various occasions for infrastructure development and has donated over 10 crores till date.

In the year 1999, Jaslok Community Ophthalmic Center at Sankara Nethralaya, Chennai, was established to provide free service to poor and needy people. Every year the Kewalram Chanrai group and Jaslok Hospital have been supporting this cause. In the F.Y. 2022-23, 2,41,691 patients were examined and diagnosed and 82,554 surgeries were carried out free of cost at six eye centres.



MAKE SURE MY MOM DOES NOT SEE THIS

A 14-year-old boy from Rajkot was undergoing a stereotactic procedure at Jaslok Hospital & Research Centre. His procedure required him to be awake for better monitoring of his surgery. However, the surgical team was quite concerned if he would be able to cope with this. The doctor in charge explained the procedure to him and assured him that he would take care of his pain and make him comfortable during the procedure, but on his part, he had to show the strength and courage to go through it.

As the procedure required, a stereotactic frame was put on his head and the patient was being taken to a CT scan. When he was asked if he was comfortable, he said 'I am fine doctor, but make sure that my mother doesn't see me with this headgear', as she would not be able to tolerate this. This underscores the resilience and power of love, which can make us go through any odds.

09



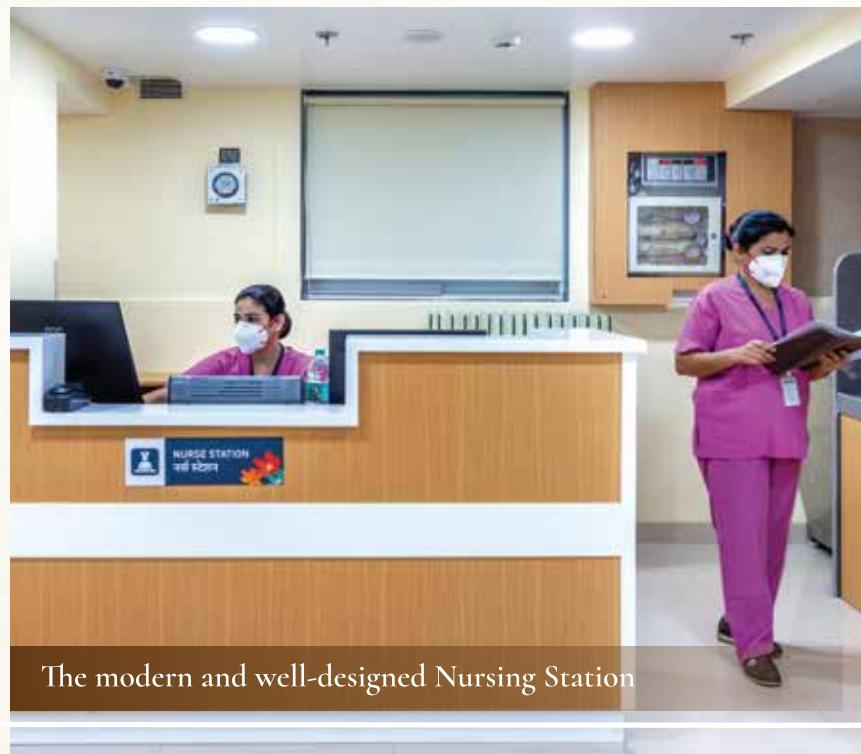
A modern and ergonomic waiting area for patients' families and loved ones



One of the sleek and cozy single rooms in the new annex



Pleasing colours of the floor lobbies



The modern and well-designed Nursing Station



The new well-equipped 15 bed dialysis unit

THE PATH AHEAD

“

I like the dreams of the future better
than the history of the past.

-Thomas Jefferson



Jaslok Hospital's glorious journey of the past five decades has set up high expectations for the next 50 years and beyond.

Infrastructural transformation currently underway, is giving a new face and shape to the hospital.

In this new and improved version of the hospital, it has incorporated value-added features to improve patient experience.

Breaking New Ground

Jaslok Hospital embarked on a refurbishment plan in 2016 and since then have added new Intensive Care Units, a Bone Marrow Transplant unit,

a new Kidney Transplant Unit, an Administration Block and the all-new Jaslok Annex.

Infrastructural transformation currently underway, is giving a new face and shape to the hospital.

Jaslok Annex was conceptualized in mid – 2020, when Covid was just two months old and the hospital wanted to

create a facility that would not only address the present Covid challenges, but also deal with infectious diseases and future pandemics. The seven-storied Jaslok Annex houses 70 in-patient beds, including 36 ICU beds, 15 dialysis beds, a state-of-the-art nuclear medicine department and a laboratory department.

All in-patient floors are well-equipped and have a negative- pressure facility that provides 100% fresh air, while keeping the environment safe for the patients and staff. In 2022, it also added an external fire staircase and 2 fire lifts in the main building.



This has further added to the safety quotient in the hospital premises. New operation theatres, an Outpatient Block and refurbished inpatient floors are in the process of coming up too.

The Brave New World of IT Transformation

Jaslok Hospital is in the process of an IT transformation and is exploring various technological advancements that will change the way we deliver care and patient experience.

Artificial Intelligence (AI) and Machine Learning (ML) are enabling faster and more accurate diagnosis, personalised treatment, better drug discovery and clinical decision support. AI and ML can also help optimise workflows, reduce errors and enhance patient engagement. Tele-health and

remote monitoring are expanding the reach and scope of healthcare delivery, especially in rural and underserved areas, while reducing costs, improving outcomes and increasing patient satisfaction. Wearables and sensors are providing real-time data and feedback on various health parameters, such as heart rate, blood pressure, glucose levels and sleep quality. They also help with prevention of illness and foster wellness.

Artificial Intelligence (AI) and Machine Learning (ML) are enabling faster and more accurate diagnosis, personalised treatment.

A Commitment to Clinical Care

Clinical excellence has been the driving force in the last five decades.

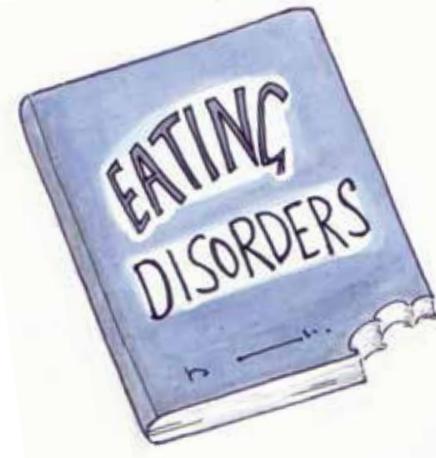
Jaslok was the first hospital in the country to do cadaver renal transplants in the 70's and a liver transplant in the 90's, leading the way in the organ- transplant space.

Today, Jaslok Hospital is the largest centre in western India for renal transplants.

Also being the pioneer in Bone Marrow Transplants., Jaslok Hospital today is one of the largest centres in the country.

SATHYA CHERRIAR

I am a transgender. My name is Sathya Cherriar. I was advised open heart surgery by another hospital's heart surgeon but they refused to perform surgery on me as I am also an HIV patient. It is then that I was recommended to Jaslok Hospital, which is known for its charitable treatment. After detailed discussion, given my medical conditions Dr A B Mehta; Dr Nihar Mehta and Dr. Nikesh Jain advised I undergo TAVI which is a very expensive procedure, but the safest in my case. The Social Service team at Jaslok Hospital agreed to provide the TAVI free of cost, after necessary permissions. And I went home on the 6th day of the procedure and am happy to report that within just 3 days I was feeling absolutely normal. By the way, I am the first transgender in India to undergo TAVI.



© Monparic

The hospital has also been the leader in the field of Neuromodulation, being the first centre to conduct Deep Brain stimulation surgery in 90s in South East Asia and non-invasive neuromodulation in 2023. Recently it was the first hospital in the country to perform TAVR for a transgender patient suffering from severely compromised immunity.

Jaslok Hospital has dealt with a variety of medical challenges and are renowned for treating patients with complex medical conditions, having saved several such patients from life-threatening conditions, thereby giving them a new lease of life. A lot of medical inventions in the past were also possible due to the conducive environment for clinical research at the hospital. This has continued, with research being given extensive budgets and facilities.



Innovation, Innovation, Innovation

Jaslok Hospital has been known for its state-of-the-art infrastructure and cutting-edge technology in the industry. It has been credited with many firsts in the country, including setting up India's first nuclear medicine department, its first kidney dialysis unit, its first 2D echo machine, its first functional neurosurgery department, MrgFUS and its first assisted reproduction department, in addition to many others. It has recently launched a department of Restorative and Regenerative Medicine, aimed at changing the way we manage our patients across diseases ranging from Neurology to Psychiatry and bring in most advanced clinical treatments to India. Today, it has the distinction of housing major advanced medical technology under one roof, which makes every diagnosis and clinical treatment speedy and efficient.

HEROES OF JASLOK



Chetan Shah

Department: Haematology

Joined: 1986

“

My mother was diagnosed with breast cancer in 1987 and Jaslok Hospital had advanced treatment that helped my mom gain another life span of 20 years.

Congratulations on 50 years and wish to see Jaslok Hospital always at the No. 1 position.

A Committed Force of Human Resource

Human resources are very important in creating an institution like Jaslok. Its doctors, nurses, paramedical and administration staff have been tirelessly working to provide the highest quality of care to the patients consistently. Jaslok was recognized as having done a splendid job in managing the Covid pandemic in Mumbai and it was possible only due to its committed force of doctors, nurses and paramedical staff. Both the State and Central governments have lauded Jaslok for providing the maximum number of beds for Covid patients in the private sector, during the second and third wave of Covid and for vaccinating the maximum number of citizens under its CSR initiative.

The hospital's commitment to the medical challenges being faced in the country was strong and the entire Jaslok family was dedicated to it.



Jaslok Hospital's Florence Nightingales

Its Heart in the Right Place

The hospital is proud that it is living up to its founders' mission of providing the highest quality of care to all, without any discrimination.

Jaslok Hospital is a charitable trust hospital and not only helps the poor and underprivileged but also helps them further, by raising funds through other mediums and concessions.

When treated patients are asked about their hospital experience, one common feedback stands apart at Jaslok Hospital: there is a human touch to treating every patient. This not only makes the hospital proud, but fills it with the motivation to strive towards further excellence.

A PLACE FOR HOPE AND HAPPINESS

When it is said that a hospital is witness to the full range of human emotions you better believe it. Take the case of this middle aged gentleman with a malignancy of his urinary bladder, who has to come in for regular check-ups to the hospital, following a robotic surgery for his condition, in addition to two earlier cardiac procedures. Imagine his joy and gratitude when, on one of these visits, he had the singular pleasure of being present for the birth of his second grandchild. His silent tears of gratitude at this serendipitous turn of events, was testimony enough of the significant role the hospital had played in his life.





HOW WELL DO YOU KNOW YOUR JASLOK?

1. Which key departments did the following stalwarts establish at Jaslok Hospital & Research Centre initially?

Dr Hiralal G. Desai, Dr P. R. Krishnaswamy; Dr R. D. Lele; Dr M. K. Mani; Dr Noshir Wadia; Dr Gajendra Sinh; Dr J. C. N. Joshipura and Dr Noshir H. Antia.

For Answer See Page: 22

5. Which cutting-edge IT and technological advancements is Jaslok Hospital in the process of exploring that will enhance patient safety, treatment and care?

For Answer See Page: 122

2. What had the husband of the young lady who had given birth to twins at Jaslok Hospital, been treated for six months earlier? All while her mother-in-law was being treated for lung cancer at the same time on another floor?

For Answer See Page: 32

6. What did Prime Minister Indira Gandhi do that had horrified her security guards when she was Chief Guest at Jaslok Hospital's inauguration?

For Answer See Page: 14

3. Which medical research dissertation conducted at Jaslok Hospital when applied resulted in greater comfort for its inpatients?

For Answer See Page: 72

7. How many in-patients and out-patients has Jaslok Hospital treated free of cost, since its inception?

For Answer See Page: 117

4. The success of which enterprise prompted the Government of India to send a team of IAS, IPS and IFS officers for a field visit to understand and study its success?

For Answer See Page: 110

8. When was kidney transplantation at Jaslok Hospital started and how many transplants have been performed till date?

For Answer See Page: 37

9. In what year was the stone clinic endourology facility established at Jaslok Hospital?

For Answer See Page: 39

13. How many sections does the Department of Critical Care consist of? What are their uses?

For Answer See Page: 47

17. Which department at Jaslok Hospital has presented its scientific work at more than 175 national and international conferences and has over 250 scientific publications to its credit?

For Answer See Page: 52

21. Which machine at Jaslok Hospital that picks up early cases of carcinoma cervix, has led to other hospitals referring their complicated maternity cases and preterm deliveries to it?

For Answer See Page: 57

10. Who is considered the father of medical oncology in India?

For Answer See Page: 41

14. In what year was the epilepsy clinic at Jaslok Hospital, the first of its kind at a private hospital, established?

For Answer See Page: 49

18. Which department at Jaslok Hospital has been recognized as a Maharashtra University of Health Centre of Excellence for the treatment of Wilson's Disease?

For Answer See Page: 54

22. What do the acronyms (PICU) and (NICU) refer to?

For Answer See Page: 58

11. What have been some of the breakthroughs and firsts, achieved by the Department of Radiation Oncology?

For Answer See Page: 43

15. Which doctors introduced stereotactic surgery and stereotactic radiosurgery at Jaslok Hospital?

For Answer See Page: 50

19. In what year was the The Surgical Gastroenterology Department started at Jaslok Hospital?

For Answer See Page: 55

23. In what year was the Department of Imaging and Interventional Radiology established at Jaslok Hospital and by whom?

For Answer See Page: 60

12. How does Code PAMI help patients who come into Jaslok Hospital with an acute heart attack?

For Answer See Page: 45

16. In 2021, which department saw the highest number of online consultations in the hospital?

For Answer See Page: 51

20. What has been the success rate of arthroscopic knee joint procedures at Jaslok Hospital?

For Answer See Page: 56

24. In what year was India's first 5-ring Positron Emission Tomography (PET) CT scanner installed?

For Answer See Page: 62





An artistic representation of
Jaslok Hospital's famous lobby