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Editorial Desk**Growth of Liver Transplants in India**

The growth of liver transplants in India over the last two decades has been phenomenal. This growth has been mainly confined to the private sector with only a handful of government hospitals developing a sustainable and viable transplant program. This does lead to problems with equity in a country like India where the out of pocket expenses for healthcare means limited access to such transplants to the less affordable population.¹

The first successful deceased donor and living donor liver transplants took place in 1998.² Early attempts in 1995, with deceased donor liver transplants were unsuccessful. It was another decade before the liver transplant numbers became significant and by 2014 India had become a major hub for liver transplants in this part of the world with around 1400 transplants performed.³ At present, it is estimated that more than 1800 liver transplants are performed in India. Although these are done in 90 - 100 registered hospitals, 60% of all such transplants are performed by only about five hospitals in the country.⁴

It is estimated that 70 to 80% of livers come from living donors (80% are male recipients) and 20 to 30% from deceased donors. There are significant regional variations with the south and west having more deceased donors compared to North India, where the majority are living donors.

The high volume centres also attract many trainees from other countries to learn the techniques for safe living donor liver transplants. The growth of liver transplants has also meant that the deceased donation program has more support when it comes to retrieval of organs and because of the cost implications and return, the senior hospital managements are supportive to help with the growth of deceased donation.

The current issue of ITN carries the international and national data on liver transplants. The data is derived mainly from the WHO-Global Observatory website.

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Giving the Gift of Life: Couple in China donate a kidney each to save their twin daughters

By giving one kidney each, a Chinese couple was able to save their teenage twin daughters who were experiencing renal failure. Both the sisters were diagnosed with uremia caused by a genetic mutation and required kidney transplants. Their health continued to deteriorate after three months of peritoneal dialysis, and no donor call was received during the waiting period. The family then decided to pursue living donor kidney transplants. The 18-year-old twins received a kidney each from their mother, Ms. Hu, and their father, Mr. Liu.

The transplants were performed at Renmin Hospital in Wuhan, central China's Hubei province, in April and June 2022 respectively. "The parents' kidneys were healthy and of good quality," said doctor Zhou Jiangqiao from Renmin Hospital of Wuhan University, who performed the operations. Donations from family members are normally safer and save the patients long wait times and money, he added.

It might be the such case where that both the parents have donated their kidneys each to their twin girls for a transplant that will save their lives.

Swiss opts for 'presumed consent' on organ donations

To combat the shortfall of organs for transplant, Switzerland has shifted to "opt-out" system of organ donation in May 2022. Everyone is now potentially a donor unless an individual has actively chosen to opt out and the new rule was supported by 60 percent of voters in a referendum. The government will have to develop regulations implementing the new legislation. The Federal Office of Public Health (FOPH) has indicated that the new legislation will come into effect in 2024 at the earliest. "The public have shown that they are ready to give a chance to the people who are on the waiting list," said Franz Immer, the director at the Swisstransplant. Interior Minister Alain Berset said that the transition to the new law would be done "very carefully", and that the priority will continue to be on securing the most important piece of information: the true will of the deceased person regarding their organ donation.

In 2021, Switzerland, a nation of over 8.6 million people, had 1,400 transplant candidates on the waiting list. There were 166 deceased donors who donated their organs, and 484 organs were retrieved and transplanted. However, 72 patients died waiting on an organ transplant waiting list, according to the Swisstransplant.

The majority of the European Union nations have adopted the soft opt-out consent model with Switzerland joining the list recently.

Pancreatic Islet Transplantation in Type 1 Diabetes: 20-Year Experience of University of Alberta Hospital, Canada - A Single-Centre Study

World's largest islet transplant program has changed the lives of many people with diabetes, after 20 years of perfecting their technique. The team behind the largest islet cell transplant program in the world reports the procedure is a safe, reliable and life-changing treatment for people with hard-to-control diabetes. In the results published in May 2022 in *The Lancet Diabetes & Endocrinology*, the researchers report on patient survival, graft survival, insulin independence and protection from life-threatening low blood sugars for 255 patients who have received a total of more than 700 infusions of islets at the University of Alberta Hospital over the past two decades.

"We've shown very clearly that islet transplantation is an effective therapy for patients with difficult-to-control Type 1 diabetes," says James Shapiro, professor of surgery at the University of Alberta, Canada Research Chair in regenerative medicine and transplant surgery, and the lead of the team that developed the protocol known as the Edmonton Protocol. "This long-term safety data gives us confidence that we are doing the right thing."

"This data shows really strong proof that cell-based therapies can deliver a meaningful and transformative impact for people with diabetes," says Peter Senior, Charles A. Allard Chair in Diabetes Research and director of the Alberta Diabetes Institute. "We are delivering something which all other treatments for diabetes don't deliver - there's a comfort, a predictability, a stability to blood sugar levels that don't exist with anything else."

A Kidney Donor's Journey to Raise Awareness

Anil Srivatsa, a kidney donor, intends to travel 56,000 kilometres in order to compete in the World Transplant Games (WTG) 2023, to be held in Australia. His journey from Bengaluru began in April 2022; crossing 17 countries, he will be reaching Perth before the event starts in April 2023.

Anil Srivatsa donated one of his kidneys in 2014 to save his doctor brother Arjun Srivatsa, who had chronic kidney disease. This was the beginning of his journey towards organ donation, and since then he has participated in the renowned games to further the cause and inspire more individuals to donate their life-saving organs. He has been actively involving himself in organising numerous awareness campaigns throughout the society.

The Srivatsa brothers demonstrated that having an organ transplant does not prevent living organ donors and recipients from living healthy lives by competing in the WTG 2019 held in Newcastle, United Kingdom and bringing home two gold medals in golf and ball throwing.

6-year-old Roli becomes youngest organ donor in the history of Delhi AIIMS

Roli Prajapati, a six-year-old girl hailing from Noida became the youngest organ donor ever in the history of the All India Institute of Medical Sciences (AIIMS), Delhi and saved the lives of five people in April 2022. Roli Prajapati was shot in her head by unknown assailants and was admitted to AIIMS, Delhi. Doctors declared the young girl brain dead after repeated futile attempts to revive her.

"We diagnosed her to be having brain death. Subsequently, our team of doctors sat with the parents and talked about organ donation. We counselled the parents and sought their consent if they would be willing to donate organs to save the lives of other children," said Dr. Deepak Gupta, Professor of Neurosurgery and in charge of organ procurement services at the trauma centre in AIIMS, Delhi.

Despite their sorrow, Roli's parents consented to donate her organs, and her liver, kidneys, corneas, and heart valves were transplanted to the needy patients. The National Organ and Tissue Transplant Organization (NOTTO) distributed the donated organs. A seven-year-old from Lucknow received Roli's liver, while a 12-year-old received her kidneys.

In February 2020, a newborn infant who lived for only 68.3 hours donated his organs at Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh. The kidneys from the three-day boy who had irreversible brain abnormalities were given to a 21-year-old woman, saving her life. This was likely to be the country's youngest organ donation.

Organ Transplant Added under CM Chiranjeevi Health Scheme in Rajasthan

Organ transplant has been added to the Chief Minister Chiranjeevi Health Insurance scheme (Mukhyamantri Chiranjeevi Swasthya Bima Yojana) in Rajasthan. The yearly medical coverage sum has increased from Rs 5 lakh to Rs 10 lakh, with an additional accident cover worth Rs 5 lakh, according to the budget release announced in April 2022.

According to Chief Minister Ashok Gehlot's budget presentation, the software has undergone the necessary changes and guidelines were issued to all hospitals associated with the scheme regarding new packages.

State Health Minister Parsadi Lal Meena said five packages of cochlear implant, nine of bone marrow transplant, eight of liver transplant and seven of heart transplant have been added to the packages of the scheme. This would allow people to receive expensive treatment of such diseases free of cost.

This state insurance scheme is likely to give a boost to the organ donation and transplant program in Rajasthan.

In Death, A Doctor in Kolkata Gives a Fresh Lease of Life to Three

Dr. Sanjukta is no more, but her legacy lives on. That is how doctors in Kolkata mourned the death of Sanjukta Shyam Roy, a 43-year-old Kolkata doctor who gave a fresh lease of life to three people. Dr. Sanjukta, an anaesthesiologist was pronounced brain dead at the Apollo Multispecialty Hospital, Kolkata, the very same hospital where she had been attached to. Dr. Sanjukta had suffered a massive cardiac arrest and was rushed to the hospital. Despite the efforts of the doctors, she did not gain consciousness, and was declared brain dead on May 3, 2022.

When asked, Dr. Sanjukta's family agreed to donate her organs. Dr. Sanjukta's liver and kidneys were retrieved and allocated to needy patients by ROTTO East (Regional Organ and Tissue Transplant Organization). Her corneas were donated to Disha Eye Hospital, Kolkata. Being the donor hospital, Apollo Multispecialty Hospital was given the liver; the kidneys were shared with the Institute of Post-Graduate Medical Education and Research (IPGMER), Kolkata and ILS Hospital, Dum Dum.

"We have ten liver recipients listed with ROTTO. But the wait gets too long since donations are rare," said Dr. Mahesh Goenka, Director of the Institute of Gastro Sciences at Apollo Multispecialty Hospital, Kolkata.

Apollo Hospitals, Kolkata has been doing pioneering work in deceased donation program in West Bengal. The state's first deceased organ donation was facilitated at the very same hospital in July 2016.

Liver Transplants around the World

Total liver transplants (Includes living and deceased donor liver transplants)

Country	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
USA	6342	6256	6455	6729	7127	7841	8082	8250	8896	8906
China	2144	2144	2144	2144	2620	3672	5149	6279	6170	5842
Brazil	1496	1576	1726	1769	1816	1880	2118	2221	2265	2075
Republic of Korea	1056	1260	1186	1262	1398	-	1482	1475	1579	1542
Italy	1034	1001	1013	1075	1094	1221	1311	1246	1301	1202
France	1164	1161	1241	1280	1355	1322	1374	1325	1356	1128
Spain	1137	1084	1093	1068	1162	1159	1247	1230	1227	1034
Germany	1199	1097	970	941	894	888	823	877	831	826
United Kingdom	759	816	904	937	900	956	1010	1068	971	823
Iran	344	484	592	605	716	802	820	809	-	606
Canada	487	488	499	537	526	580	585	536	609	565
Russian Federation	204	243	273	302	325	378	438	505	584	559
Japan	488	423	410	463	454	438	417	403	395	380
Argentina	364	383	352	361	376	368	452	473	504	316
Poland	300	328	336	366	332	345	373	316	352	291
India	-	-	898	1327	1616	1754	1843	1945	2592	1780

Living donor liver transplants

Country	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Turkey	623	736	959	892	871	1004	1087	1143	1341	1189
Republic of Korea	824	897	819	858	942	-	1032	1106	1188	1147
China	62	62	62	62	470	408	744	800	831	874
USA	247	236	244	268	344	345	359	392	516	486
Japan	447	382	369	418	391	381	347	342	307	316
Saudi Arabia	115	96	109	128	130	145	147	207	241	193
Russian Federation	81	104	119	126	133	149	130	163	147	169
Brazil	104	106	131	154	146	157	186	175	156	141
Egypt	450	450	450	450	450	-	-	-	-	-
Iran	43	34	39	35	45	32	-	-	-	-
Canada	-	78	-	89	82	73	61	69	80	91
Pakistan	-	-	-	74	139	177	281	273	285	60
Germany	71	78	83	58	45	50	61	52	54	52
Argentina	32	26	29	34	29	38	43	41	41	30
United Kingdom	37	36	30	32	35	32	34	19	22	22
India	-	-	658	1002	1118	1059	1264	1313	1991	1487

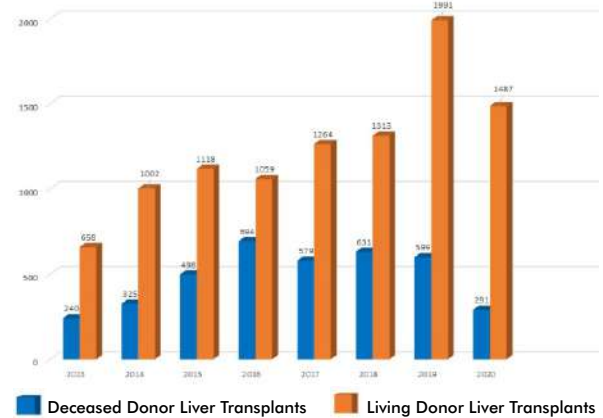
Deceased donor liver transplants

Country	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
USA	6084	6010	6203	6449	6768	7496	7715	7849	8372	8415
China	2082	2082	2082	2082	2150	3264	4405	5479	5332	4954
Brazil	1392	1470	1595	1615	1670	1723	1921	2040	2101	1933
France	1131	1144	1221	1263	1331	1312	1349	1305	1333	1112
Spain	1103	1048	1062	1051	1127	1126	1226	1206	1204	1023
United Kingdom	718	777	870	902	863	921	974	1048	948	801
Germany	1116	1017	884	879	846	826	760	820	776	774
Canada	487	410	-	448	444	507	524	467	529	474
Republic of Korea	232	363	367	404	456	-	450	369	391	395
Russian Federation	123	139	273	176	192	229	308	342	437	390
Argentina	332	357	323	327	347	330	409	432	463	286
Poland	282	314	318	336	310	317	349	294	331	263
Belgium	262	250	250	219	247	256	269	275	262	214
Portugal	193	130	238	189	233	257	247	219	232	189
Czech Republic	88	113	119	166	188	178	205	216	197	172
India	-	-	240	325	498	694	579	631	599	291

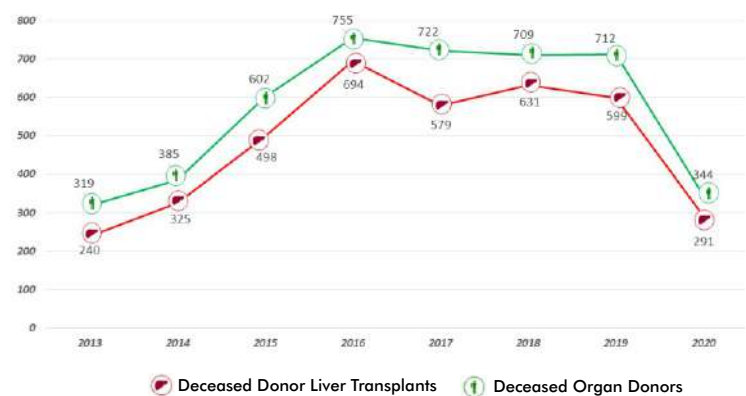
Top 5 countries by number of liver transplants

Country	2016	2017	2018	2019	2020
USA	7841	8082	8250	8896	8906
China	3672	5149	6279	6170	5842
Brazil	1880	2118	2221	2265	2075
India	1754	1843	1945	2592	1780
Republic of Korea	-	1482	1475	1579	1542

Living donor Vs deceased donor liver transplants in India



Deceased organ donors & deceased donor liver transplants in India



Source: <http://www.transplant-observatory.org/> (as on 23rd April 2022)

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I, Sunil Shroff, hereby declare that the particulars given above are true to the best of my knowledge and belief.

Sd/-
Sunil Shroff

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Signature of Publisher



Letting her hair down: My Daughter's Hair Donation Story

Ms. Sukhvinder Lal, Senior Officer, Manipal Organ Sharing & Transplant (MOST), HCMCT Manipal Hospital, Dwarka



Ms. Sukhvinder Lal with her daughter Tashvi Lal

My daughter Tashvi (14 years) has been familiar with the term 'organ donation' as she has been hearing this term ever since she was five years old. As I have been working for the cause of organ donation and transplantation, this has become a part of our casual conversations. She did not understand the intricacies of organ donation those days, but she understood the meaning of the word 'donation'. She knew that 'donation' is when you give something of yours to someone who needs it more than you need it.

One day, we were watching 'Dance India Dance' - a reality TV show, in which a participant performed as a child suffering from cancer, and lost his hair due to chemotherapy. To make him feel equal, the rest of the children in the class shaved their head. Tashvi asked me with the great innocence, "Mamma, how did this child become bald?". I then explained to her about cancer, chemotherapy, and that one of the side effects of the treatment procedure was hair loss.

Since I was aware of the hair donation, I just asked her whether she would agree to donate her hair to a needy and she agreed instantly. Tashvi studies in Amrita Vidyalayam where donation to the underprivileged is encouraged by the students, especially on special days like birthdays. So, in 2017, on Tashvi's birthday which was on January 01, we decided to take her for her hair donation. We went to the salon and the scissors started snipping and within a few minutes, 16 inches of hair were gone. I was in full praise of Tashvi for the large-hearted gesture of hers. Her spontaneous

donation made me feel happy and every time I touched her hair, I would think of a happy girl wearing a wig made of my daughter's hair – the thought always brings a smile to my face.

When Tashvi's hair grew again, she asked me "Mamma, can we donate again?". However, this time she wanted to donate on a regular day because she felt that if the time of someone's need is not fixed, then how can the donation time be set. On February 06, 2022, my little big girl donated her hair again for the second time.

If you too wish to make someone smile with your precious hair, then here is how you can donate your hair:

- Hair needs to be clean and dry and placed in a braid or ponytail before it is cut.
- Your ponytail or braid needs to be a certain length to be accepted.
- Curly hair can be pulled straight to make the measurement. Requirements usually range above 12 inches.
- Ensure that your hair is perfectly secured with rubber band and cut your hair just above the rubber band.
- Now securely put the cut ponytails in a zip-lock bag and put it in a mailing envelope.
- Ship it to your chosen NGO's address and within about 15-20 days you will be receiving a receipt of acknowledgment and an e-certificate.

That's it, your precious hair will now add a new ray of happiness in someone's life. We have been making hair donation at Cope with Cancer, Madat Trust based in Mumbai, which also has a Help Desk at the Tata Memorial Hospital, Mumbai.

Make a hair donation and like Tashvi, you will never have a bad hair day.



Tashvi Lal before donating her hair



Tashvi Lal with her donated hair

In death, Bhupendra gives new lease of life to eight people

Ms. Pallavi Kumar, Executive Director (Delhi - NCR), MOHAN Foundation



Mr. Bhupendra

On March 27, 2022, while I was celebrating my birthday, this young man, Bhupendra was fighting between life and death. He had met with a tragic road accident where he was hit by a car while riding a motorcycle.

He had sustained serious head injuries and was declared brain dead later that night.

I was called into the hospital on March 28 to speak to the family for organ donation. I met the distraught father. Years into this work and having spoken to so many families, I still cannot understand where families gather the courage to agree to organ donation.

The father not only consented but also agreed to do the unenviable task of speaking to his wife who hadn't even been properly informed of Bhupendra's demise. Despite the sadness and tragedy that had befallen him and his family, the courageous man agreed to donate Bhupendra's organs. He realised that, even though his kid was no longer living, he was in a position to help many others who were fighting for survival.

Bhupendra was born in Panchkula. A second-year Bachelor of Arts student at a Delhi-based open university, he had been working as a Dispatch Head in a private company for 4 years and had many dreams regarding his future life. His was a small close-knit family and he was the binding glue of the family and cared for everyone – the old and the young.

"Even though he was my younger brother, he behaved like an older one.", says Ranjeet (Bhupendra's elder brother). "He would take responsibility for everything and be involved in every aspect of the house."

The morning of that fatal day, he had bathed and readied his old grandfather and the latter shared this as tears poured down the old man's wrinkled face.

Bhupendra was well-known for his compassion, and willingness to assist others. Mr. Harish Kumar, his father, said that he always placed himself to help others. He was a regular blood donor and had received a medal for the same. The mother weeping inconsolably shared, "He used to say, mummy we can get blood anytime we need as I have donated so many times. Alas, nothing helped save his life when the time came."

A week later, when we went to visit the family at their home, this was what the father said to me, "I keep thinking what if I had gone to some other hospital and hadn't met you. I would have not been able to do this. I would have lost my son anyway and not had the opportunity to save the lives of others."

I remain overwhelmed and humbled - and I feel richer as I do after every such interaction with a donor family. The lungs were flown to Hyderabad, heart to Jaipur, kidneys, liver and corneas were transplanted to recipients in Delhi.

Role of police in Medico Legal Cases (MLC)

Most organ donations come out of road accidents (brain death as a result of head injuries). These become what are called Medico Legal Cases (MLC) and the police gets involved and so does the forensic. Very often, we struggle to make donations happen in the given limited time as the police is unable to cooperate simply because they do not understand the process or their role in it.

In this donation, Inspector Hari Krishnan was so humane, sensitive and cooperative throughout, both with regards the processes and the family. The week after the donation, we met him at his police station to express our gratitude. He truly stands tall! (and not just because he is 6'3) Inspector Hari Krishnan also pledged to be an organ donor. May his tribe grow.



Ms. Pallavi Kumar, Executive Director (Delhi-NCR), MOHAN Foundation (left) handing over the appreciation certificate to Bhupendra's family



Inspector Hari Krishnan was felicitated for his support towards the noble cause



Inspector Hari Krishnan pledging for organ donation

“Stronger Together”- Advanced Transplant Coordinators' Workshop

Ms. Preeti Goswami, Programme Officer, MOHAN Foundation, Delhi - NCR

MOHAN Foundation in association with Network and Alliance of Transplant Coordinators (NATCO) organized an Advanced Transplant Coordinators' Workshop titled “Stronger Together” on April 1, 2022, at Four Point Sheraton Hotel in New Delhi. The Workshop was supported by the SBI Foundation & SBI Card, Milaap and Transplants Help the Poor Foundation.

The workshop included the following sessions addressed by eminent faculty from India, Iran and UAE:

- Xeno Transplantation- Recent heart transplant and its implications
- Incentives in organ donation
- Islam and organ donation - Global perspectives (including India)
- Building team India's participation - Indian Transplant Games, World Transplant Games 2023, NGO effort
- Starting a transplant program in an emerging region- Challenges and rewards
- NABH & JCI policy standards for transplantation
- Directed deceased donation

As part of the workshop, panel discussions on initiating a program in emerging regions, challenges in implementation, independent donor advocacy, maintaining standards and overall impact of transplantation programs were also conducted.



Mrs. Lalitha Raghuram, Country Director, MOHAN Foundation addressing the audience



Xeno Transplantation by Dr Sandeep Attawar (Chair & Director, Thoracic Organ Transplants & Assist Devices, KIMS Institute for Heart & Lung Transplantation, Hyderabad)



Dr Avnish Seth, Head, Manipal Organ Sharing & Transplant (MOST), Dwarka talking on Directed Deceased Donation



Panel discussion on 'Setting standards and good practices for transplantation'



Indian Transplant Games - A Glimpse by Dr. Shruti Tapiawala (Consultant, Nephrology & Renal Transplant, Global Hospitals, Mumbai)



Panel Discussion on 'Starting a transplant program in an emerging region - Challenges & rewards'

“Towards Affordability” - A Stakeholders' Workshop

Ms. Preeti Goswami, Programme Officer, MOHAN Foundation, Delhi - NCR

On April 2, 2022, MOHAN Foundation organized a one-day Stakeholders' Workshop at Four Points by Sheraton Hotel, New Delhi under the aegis of National Organ & Tissue Transplant Organization (NOTTO). The workshop was supported by the SBI Foundation & SBI Card, Transplants Help the Poor Foundation and Milaap.

The high-level workshop titled “Towards Affordability” included international and Indian stakeholders from the field of healthcare and organ transplantation who came together to discuss ways to make organ transplants affordable for underprivileged people and to increase the deceased donation rate in the country.

The topics covered in the program ranged from understanding transplant costs for liver & kidney transplants, who should pay for the transplant costs, raising funds for poor patients, experiences of transplant coordinators on raising funds for poor patients, government schemes that support transplant costs and utilization of these government schemes.

A session on “The Missing Last Mile in Driving Licenses - What needs to be done” included discussions on leveraging organ donation clause in driving license, current status of organ donation on driving license and perspectives from other countries.

The experienced faculty included eminent doctors from established transplant hospitals of the country (both from the private and government sector), representatives from NGOs that provide support to transplant patients, government officials, transplant coordinators etc.

The sharing of their experiences during the interactive sessions provided valuable insights to the delegates and made them aware and understand the importance of collaborative efforts to support underprivileged people for organ transplants.

The workshop also provided an opportunity and a forum for healthcare professionals, senior consultants & transplant coordinators to meet, interact, share challenges and success stories and get a chance to update their knowledge on government and private schemes for supporting transplants of poor patients.



Dr Shaleen Agarwal (Director, Liver Transplant & HPB Surgery, Max Superspecialty Hospital Saket, Delhi)



Dr Anup Kumar (Prof & Chairman, Dept. of Urology Robotics and Renal Transplant, Safdarjung Hospital & VMMC, Delhi)



Dr Abhijit Chandra (Professor & Head Department of Surgical Gastroenterology, KGMU, Lucknow)



Dr Amit Devra (Director, Urology & Kidney Transplant, Jaypee Hospital, NOIDA)



Panel discussion on 'Understanding transplant costs - Towards affordability'



Transplant costs - Who should pay - Chaired by (L to R) Ms Lijamol Joseph, Jeevasarthakathe (SOTTO), Dr Archana Kumari, NOTTO and Dr Harsha Jauhari, SGRH



Philanthropy in transplant costs - Panel Discussion

Making Transplants Affordable - An initiative by MOHAN Foundation

Ms. Jaya Jairam, Project Director, MOHAN Foundation, Mumbai

"Anudaan – Making Transplants Affordable" is an initiative launched by MOHAN Foundation in the year 2021, as a mark of its journey towards saving lives for the last 25 years. This initiative aims to provide financial assistance to the economically underprivileged, thus enable access to life-saving transplants. Most transplants take place in the private sector and the prohibitive costs makes them inaccessible to the poor. Since hardly any government hospitals perform transplants, affordable transplants remain elusive to the poor. Anudaan has been providing partial contribution to the transplant cost of individuals and has been working with hospitals to bring down the transplant costs.

This initiative is being supported by philanthropic individuals and corporate houses such as Century Plyboards India Limited, Edelweiss Tokio Life Insurance, Ethos Watch Boutiques and BNP Paribas. MOHAN Foundation also partners with likeminded organisations such as THPF (Transplants Help the Poor Foundation), TANKER Foundation and MFJCF to name a few to share the transplant costs. We have also been raising funds on Milaap, our Crowdfunding partner. This quarter, we were able to support the transplant of nine individuals, many of them children under the age of 10 years. Anudaan aims to touch the lives of these individuals and help them achieve their aspirations.



An initiative touching lives...



ASPIRES TO BE A
BUSINESSMAN
MR. ANAND KADAM
46 yrs, Raigad, Maharashtra
Liver Transplant on April 5, 2022



ASPIRES TO BE A
TEACHER
BABY PIHU SINGH
5 yrs, Hauz Khas, South Delhi
Liver Transplant on February 16, 2022



ASPIRES TO BE A
DOCTOR
BABY ISHWARI GANESH SATAV
4 yrs, Hadapsar, Pune
Liver Transplant on March 11, 2022



ASPIRES TO BE AN
ELECTRICAL ENGINEER
MASTER SANDEEP K. B
10 yrs, Hassan, Karnataka
Liver Transplant on February 21, 2022



ASPIRES TO BE A
DOCTOR
MASTER IYAN GUPTA
7 months, Sonitpur, Assam
Liver Transplant on February 23, 2022



ASPIRES TO BE A
DOCTOR
BABY FARIHA ANAM
6 yrs, Chikkaballapura, Karnataka
Liver Transplant on March 24, 2022



ASPIRES TO BE A
CRICKETER
MASTER LIKHITH S.D
8 yrs, Malenadu, Karnataka
Liver Transplant on December 28, 2021



ASPIRES TO BE A
SURGEON
MASTER HARDHIK SINGH
8 months, Mohali, Punjab
Liver Transplant on March 17, 2022



ASPIRES TO BE A
INTERIOR DESIGNER
MRS. AMRUTA RUPESH PAKHALE
36 yrs, Thane, Maharashtra
Kidney Transplant on February 22, 2022

Support this endeavour and enable us to aid many more transplants and aspirations



Team India Gearing Up for Victory at the World Transplant Games

Mr. Shankar Arora, Team Manager, Team India @ World Transplant Games 2023



Athletes Parade at the World Transplant Games, 2019 (p.c. Rich Kenworthy)

The World Transplant Games are held every two years by the World Transplant Games Federation, which was established in 1978 and is recognized by the International Olympic Committee. The Games offer an opportunity to transplant recipients and donors to represent their country in a sporting event, competing at a high level against their peers. With more than 60 countries represented and 2000 athletes participating, it is, in essence, the Olympic Games for transplant patients.

Of the many challenges facing the Team Managers, perhaps the most frustrating challenge is how few people know about the games. Fewer still know that India has been participating, and winning medals, at the games for more than a decade. Despite having trained and funded themselves, Indian athletes have done our country proud by winning medals against well-trained and well-funded teams from across the world.

The athletes who have won medals is nothing short of inspiring - Balveer Singh, a government teacher from a small town outside Lucknow who is a kidney recipient and, Davies Kollanur, a transplant coordinator from Thrissur and a two-time kidney recipient and cancer survivor are just two examples. They have struggled to put together finances to travel to almost every Games since 2011, but continue to strive towards excellence. Together, they have won six medals while representing Team India.



Balveer Singh - Kidney Transplant Recipient

India's last outing at the Games in Newcastle in 2019 saw the largest contingent till date, a team of 14 athletes, including 3 donors and 11 recipients travelled to Newcastle.

Managed by Light-a-Life – Reena Raju Foundation, the team came back with a haul of 7 medals from disciplines as varied as golf, athletics, and badminton. For the first time, an Indian donor, Ankita Shrivastava, came back with three medals, two golds and one silver.

With the 2021 Games cancelled due to COVID-19, the next Games are scheduled to be held in Perth, Australia in April 2023. ORGAN India, an NGO based in New Delhi that spreads awareness on organ donation has been appointed as the Member Organization for India for the 2023 Games. Our endeavour is to take a substantial, well-trained, and well-funded team to the games. More than 75 transplant athletes have already registered with us and are hoping to make it to the Games.



Davies Kollanur - Kidney Transplant Recipient

Raising funding for a large-scale event such as this is a daunting task, but we believe it is of vital importance to the cause of organ donation awareness. The participating athletes are a source of inspiration and hope to transplant patients everywhere, that not only can there be life after transplant, but there can be an exceptional life after transplant, for both recipients and living organ donors.

But perhaps more importantly, it allows us to leverage the larger, more visceral appeal of sports to get our message to a wider audience. To tell the world the stories of these exceptional people, recipients and donors, survivors and saviours, in the hope of inspiring more and more people to engage with the cause. In this endeavour, we will need all the help we can get, donors, sponsors, partners, supporters. If you would like to join us in helping the Indian team, reach out to us. Stand with us. Help us take our team to Gold in Australia.



Ankita Shrivastava at the WTG Athletics, 2019 (p.c. Richard Hall)

For more information about Team India at the World Transplant Games 2023
<http://www.wtgindia.com> | team.manager@wtgindia.com

One-Week Transplant Coordinators' Training Programs

Chennai - March 21 - 25, 2022

The one-week face-to-face transplant coordinators' training program was attended by 22 participants from different parts of the country - Tamil Nadu, Puducherry, Andhra Pradesh, Karnataka and Rajasthan. The participants were from varied backgrounds such as nursing, social work, hospital administration, dialysis technology and physician assistant. Dr Amalorpavanathan J, Former Convenor - Transplant Authority of Tamil Nadu (TRANSTAN) was the special guest at the valedictory function. Rtn. Vijayagopal Reddy, Rotary Madras Southwest (RMSW) & Managing Trustee, Dodla Parthasarathy Reddy and Lalithamma Trust also joined the function as an invited guest. 'Transplant coordinators play a pivotal role in transplant program and the success of this program lies on effective coordination and counselling', said Dr Amalorpavanathan J.



Mr. I. Augustin Joe, Senior Transplant Coordinator, Apollo Hospitals speaking on the role of a transplant coordinator in a heart - lung program



Trainees participating in the roleplay



Group Photo - Participants & MOHAN Foundation Team



Dr. A S Arunkumar, Prof & Head, Dept. of Critical Care Medicine, Saveetha Medical College and Hospital explaining brain death certification process



Dr. Arulprakash. S, Clinical Lead & Sr. Consultant, Gastroenterology & Hepatology, MGM Healthcare Pvt Ltd (Left) felicitated by Dr. Sunil Shroff, Managing Trustee, MOHAN Foundation

Delhi-NCR - March 22 - 26, 2022

MOHAN Foundation in partnership with Manipal Organ Sharing & Transplant (MOST) conducted a training program on Transplant Coordination from March 22 to March 26, 2022 at Manipal Hospitals, Dwarka (MHD) under the aegis of National Organ & Tissue Transplant Organization (NOTTO). The training drew 35 delegates from 7 states: Haryana, Rajasthan, Delhi, Manipur, Gujarat, Sikkim and Uttar Pradesh. They included transplant coordinators, nurses, managers, senior executives, nurse educators, consultants, medical officers, marketing executives and counsellors.



Lamp lighting

As part of the training, a panel discussion and an open house were organized to address the participants' questions. Dr Harsha Jauhari (Senior Consultant, Department of Renal Transplant Surgery, Sir Ganga Ram Hospital), Ms Lalitha Raghuram (Country Director, MOHAN Foundation), Dr (Lt Gen) CS Narayanan (Head, Neurology, MHD), Dr Archana Kumari (Consultant Coordination, NOTTO), Dr Anurag Saxena (Head, Neurosurgery, MHD), Dr Srikanth Srinivasan (Head, Critical Care, MHD), and Ms Nomita Sarkar (Head, Nursing, MHD) were among the panelists. The panel discussion was moderated by Dr (Col) Avnish Seth (Head, MOST) and Ms Pallavi Kumar (Executive Director, MOHAN Foundation).



Dr Avnish Seth, Head, Manipal Organ Sharing & Transplant



Roleplay moderated by Ms. Pallavi Kumar, Executive Director, Delhi-NCR



Participants at the group activity on organ donation pathway



Mrs Lalitha Raghuram, Country Director, MOHAN Foundation addressing the participants



Group Photo



Panel Discussion

One-Month Online Transplant Coordinators' Professional Certificate Course

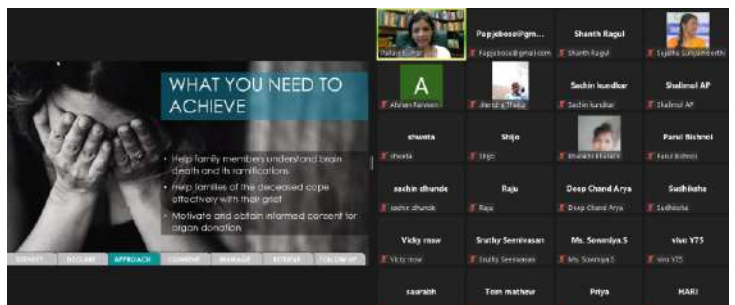
The one-month online 'Transplant Coordination Professional Certificate' course was successfully conducted in the months of March, April and June 2022 respectively. The participants were from all across India as well as from Nepal. As part of the course, webinars were conducted through the Zoom platform where participants were given the opportunity to interact with experienced transplant coordinators across the country. A total of 91 candidates completed the course in these three batches and received their certificates.



Mr. Nikhil Vyas speaking on 'Deceased Donation Coordination' - March 2022



Burden of kidney disease and availability of organs for transplantation addressed by Dr. Sunil Shroff, Managing Trustee, MOHAN Foundation - April 2022



Ms. Pallavi Kumar, Executive Director, MOHAN Foundation talks on 'Role of a Donor Coordinator in Deceased Donation Program' - June 2022



Shoot For The Stars And You'll Land On The Moon

First Living Kidney Transplant in a Government Hospital in Manipur – Scripting History

Dr. Sholay Meitei Kangjam, Urologist, Jawahar Lal Nehru Institute of Medical Sciences (JNIMS), Imphal, Manipur



JNIMS and MOHAN Foundation team creating history together

In the year 2017, MOHAN Foundation undertook to work in the Northeast region of the Country. A very underserved area, the whole of Northeast lacks in medical advancements and the infrastructure required to provide critical facilities, such as lifesaving transplants, for its population.

Supported by SBI Foundation, they decided to start their efforts in Manipur. This was like a godsend for the state. Imphal, the capital city, has one central medical institute (RIMS) and a state-run medical institute (JNIMS). As the Urologist in JNIMS (Jawaharlal Nehru Institute of Medical Sciences), I felt a deep desire to start the kidney transplant program for the people of Manipur. I saw firsthand the acute need for the same as poor patients requiring transplants would go to bigger cities, at great personal, physical, and financial discomfort.

With MOHAN Foundation and Dr. Sunil Shroff's support, my resolve was strengthened. The Foundation started a systematically planned intervention to engage the stakeholders and help them understand the importance of organ donation and transplantation. The first CME was conducted at JNIMS in December 2017. A gap analysis was done and collectively needs were identified.

Post the meeting, MOHAN Foundation facilitated a scholarship for me for a fellowship for a year at the University Hospital Coventry & Warwickshire, UK. I came back more confident and determined to start the transplant program at JNIMS.

Dr. Rajo Singh, Director, Directorate of Health Services (DHS) invited MOHAN Foundation as their "Knowledge Partner" and encouraged them to conduct public awareness and training to promote organ donation and transplantation in the state.

Subsequent to this, the Foundation undertook an intense awareness drive and organised many training programs, workshops, meetings and other activities involving stakeholders from the government, hospitals (government and private), police, forensic etc.

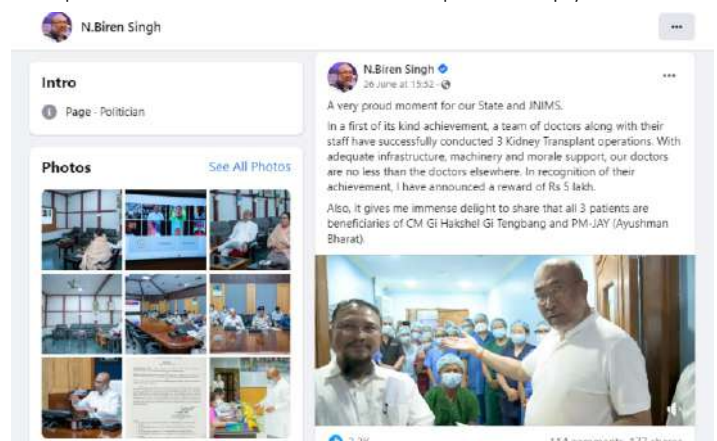
The Medical Directorate has formed a 'State Brain Death committee' involving the public and private institutes having ICU facilities. Covid did break the momentum for some time, however, MOHAN Foundation renewed its efforts with us in 2021. We were able to provide an office to MOHAN Foundation staff within JNIMS.

The month of June 2022 was a historic month as it marked the beginning of the living donor kidney transplantation program. With the help of MOHAN Foundation and under the guidance of Dr. Sunil Shroff, Founder, MOHAN Foundation, our team at JNIMS successfully performed 3 living donor renal transplants. Dr. Nagaraj, Consultant - Surgeon, MOHAN Foundation shared his expertise and led the team. The first kidney transplant was performed on June 18, 2022, followed by 2 more transplants on June 19 and 20 consecutively. All the recipients and their donors are doing well.

This is the first time that kidney transplants are being performed in a government hospital in the state of Manipur and only the second one in the whole of Northeast after Guwahati Medical College and Hospital, Assam.

All the three recipients availed the benefit of Ayushman Bharat-Pradhan Mantri Jan Arogya Yojana (AB-PMJAY) package and did not bear any expenses except for the medical investigations done outside the JNIMS. Many people in the region needing kidney transplants are now coming forward to register at JNIMS. On the other hand, MF team has boosted public education on organ donation and hopefully we will start our deceased organ donation program soon.

Hon'ble Chief Minister of the State, Shri N. Biren Singh visited JNIMS on June 26, 2022, and congratulated the entire team. He also officially discharged the first recipient. During his visit, he announced a reward of Rs. 5 Lakhs to the entire team involved in the transplants. It was a moment of extreme pride and joy for all of us.



Hon'ble Chief Minister, Shri N. Biren Singh's post on his official Facebook page

Tribute to Life



Commonwealth Tribute to Life project initiated in 2018

All Death Occurs This Way

Professor Sam Shemie (Medical Advisor, Canadian Blood Services and internationally recognised expert on the determination of death) talking on 'Consensus building in defining & determining death'

The Birmingham 2022 Commonwealth (CW) Games present a unique opportunity to showcase organ and tissue donation and transplantation activities of Commonwealth nations towards the noble cause of saving lives.

Through the sharing of knowledge and expertise, we will increase ethical organ and tissue donation and transplantation, regardless of transplant infrastructure, for the benefit of all Commonwealth citizens. We would empower health professionals to achieve a step towards equality for 2.3 billion citizens of CW countries, approximately one third of the world population.

The Commonwealth Tribute to Life project was formally launched on March 14th, 2022, bringing together regional coordinators, supporting organisations, and the global community for organ donation and transplantation.

A series of webinars were conducted on topics wide ranging to achieve the educational ambitions of the project to promote organ and tissue donation. The webinars shall be accessed from:

<https://www.odt.nhs.uk/odt-structures-and-standards/clinical-leadership/commonwealth-tribute-to-life-project/webinars/>

- Donation: Changing donation culture
- Transplantation: Starting a sustainable transplant program
- Promotion: National campaigns
- Tissues: Corneal donation and transplantation
- Transplantation: Travails of setting up a liver transplant programme
- Donation: Death determination
- Promotion: Regionally focussed campaigns
- Transplantation: Living kidney donation
- Tissues: Skin banking
- Donation: Donor coordinator role of donation nurses
- Transplantation: Transplant immunology laboratories
- Promotion: Honouring deceased donors
- Promotion: Community engagement
- Donation: Opt-out legislation
- Transplant Sport
- Donation Education
- Transplant Registries
- Preventing Unethical Transplantation
- Donation Physicians and Clinical Leads
- Two Nation Focus: The national organ donation and transplantation system in Singapore and Sri Lanka

Commonwealth Tribute to Life project launch event - March 14, 2022

Opt-out legislation in Canada by Stephen Beed

Regionally Focused Campaigns on Organ Donation - Initiatives from India by Dr (Colonel) Avnish Seth

Donation: Donor Coordinator Role of Donation Nurses (clockwise) - Alison Hodack (Australia), Jill Featherstone (UK), Yoni Hope-Hodgetts (Australia), Pallavi Kumar (India) and Olive McGowan (UK)





Project GIFT HOPE, GIFT LIFE



Gift Hope, Gift Life

www.mohanfoundation.org

PARTNERING TO TAKE ORGAN DONATION & TRANSPLANTATION TO NEWER FRONTIERS NORTH-EAST - MANIPUR

- Organ donation activity is uneven across India
- South and West are active contributors
- Negligible activities in North-East – citizens travel to other states for treatment or die for want of an organ

MOHAN Foundation in partnership with SBI Foundation is working to initiate an organ donation and transplantation programme in Imphal, Manipur



Awareness initiatives conducted by MOHAN Foundation at Imphal, Manipur



ICU Workshop on Brain death & Organ donation at
Jawaharlal Nehru Institute of Medical Sciences (JNIMS), Imphal, Manipur