



HAND TRANSPLANTATION

JUPITER HOSPITAL - ONLY HOSPITAL IN THANE DISTRICT TO BE PERFORMING TRANSPLANTS OF THE MOST COMPLEX AND IMPORTANT PART OF THE HUMAN BODY

Jupiter Hospital launches a Hand Transplantation Program, offering hope and transformative solutions to patients suffering from severe hand injuries and limb loss. Being included in the list of the few institutes across the country to perform hand transplants, Jupiter is the 3rd hospital in Mumbai.

The Hand Transplant Department at Jupiter is equipped with state-of-the-art facilities and the latest advancements in surgical techniques. Our team of highly skilled professionals have undergone extensive training in hand transplantation and possesses a deep understanding of the complex psychological and physical factors associated with the procedure.

Dr. Venkateshwaran N, an esteemed Plastic and Reconstructive surgeon and an experienced professional in the field of hand transplantation, will be leading the program of Hand Transplant in Jupiter Hospital. With an impressive track record of successful reconstructive procedures,

Dr. Venkateshwaran also was part of the team that conducted the first hand transplant in a leading government-run hospital in Mumbai last year.



India's first hand transplant was performed at the Kochi based Amrita Institute

Since then, Amrita Institute has completed 13

In Mumbai, 9 hand transplants have taken place in Global Hospital 1 in KEM

LEARN MORE ABOUT JUPITER HOSPITAL'S HAND TRANSPLANT PROGRAM

Unparalleled Expertise: Our team comprises of experts in the field of hand transplantation, including renowned surgeons, transplant coordinators, and rehabilitation specialists.

Comprehensive Patient Care: From the initial evaluation and pre-transplant assessments to the surgery itself, post-operative care, and long-term rehabilitation, our patients can expect unwavering support every step of the way.

Multi-Disciplinary Approach: Our Hand Transplant Department fosters collaboration among surgeons, immunologists, anesthesiologists, rehabilitation therapists, psychiatrists and medical social workers to ensure comprehensive care and optimized patient outcomes.

Advanced Surgical Techniques: Our surgeons are proficient in the most sophisticated surgical procedures, ensuring precision and success in hand transplant surgeries.

The function of the upper limb is far more difficult to replace through prosthetics. Thus, people with upper-limb amputation are generally less satisfied with the restoration of function provided by their prostheses relative to those with lower-limb amputation.

HAND TRANSPLANT SURGERY IS A RECONSTRUCTIVE SURGERY THAT INVOLVES RECONSTRUCTION OF ORGAN, TISSUES, NERVES AND ALSO USES MODERN PLASTIC SURGERY TECHNIQUES FOR AESTHETIC BENEFITS.

IT REQUIRES THE NECESSARY MIX OF SKILLSETS, INFRASTRUCTURE AND POST-OP REHAB THAT ENABLES FULL FUNCTIONALITY OF THE HAND.

India has a significant number of amputees, with estimates suggesting over half a million individuals living with limb loss. Additionally, the amputee population in India continues to grow each year, with tens of thousands of new cases being added. This can be attributed to various factors, including accidents, injuries, congenital conditions, and diseases.

In India, hand transplantation has gained some recognition and progress in recent years.

The country has witnessed successful hand transplant surgeries performed by skilled teams of surgeons and medical professionals.



DR. VENKATESHWARAN N
HEAD OF HAND TRANSPLANTATION
JUPITER HOSPITAL, THANE

"Performing a hand transplant requires considerable planning, microsurgical operative skills, a lengthy surgery and prolonged postoperative monitoring and rehabilitation."

"Though it places a considerable financial burden on the patient to provide for the surgery and lifelong immunosuppression, with the right financial and social support these obstacles can be overcome and a fulfilling life can be led by the recipient."

RECIPIENT SELECTION CRITERIA

- Standard age for transplant is between 18-65 years.
- The earlier the hand transplant is done, the more the number of years they have to spend on taking immunosuppressants .
- With increase in age, they are more mature to accept the realities of hand transplant and are more compliant with immunosuppression and rehabilitation protocols.
- Recipient should be prepared psychologically for daily required immune medications, repeated controls and the possibility of rejection and infective episodes.
- Patient should ideally be using prosthetic alternatives before transplantation.
- The patient will undergo clinical evaluations which will include a history and physical, x ray evaluation, psychosocial evaluation, nerve conduction studies

DONOR SELECTION CRITERIA

- Donors will meet the criteria of total and irreversible damage to the brain and the family consent to organ donation.
- Donors screened according to Indian Organ Donation guidelines
- Size and blood type are the only donor requirements which are mandatory.
- The gender, skin tone, race and age are more of an individual preference than a mandatory requirement.
- Hemodynamically unstable patients who otherwise are not candidates for solid organ transplant can still be considered as donors for hand transplant.

