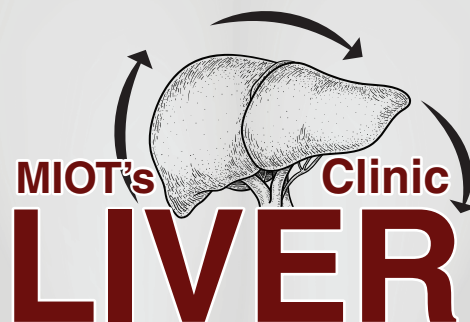
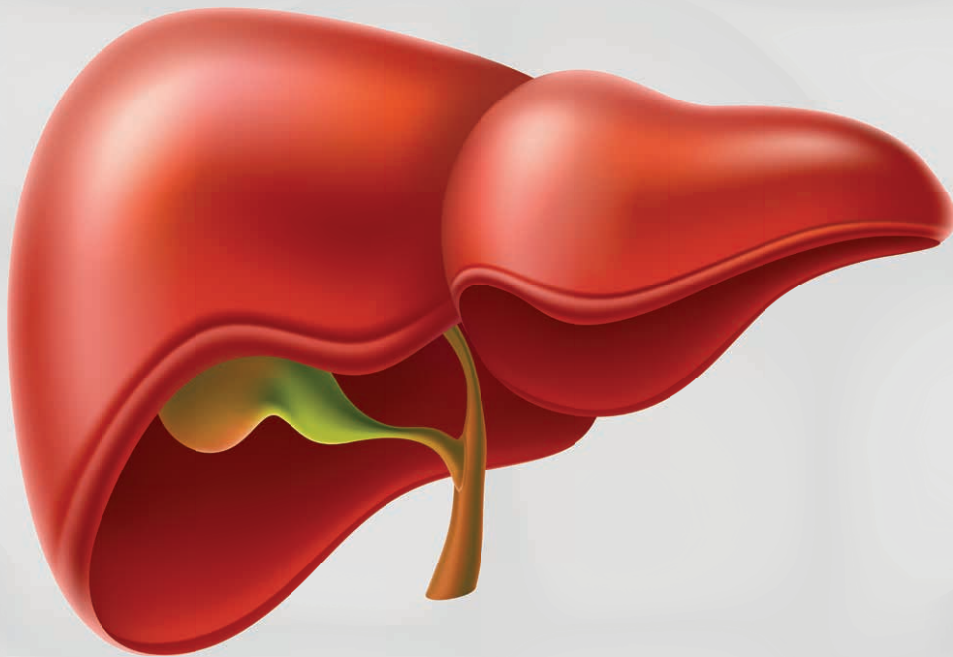
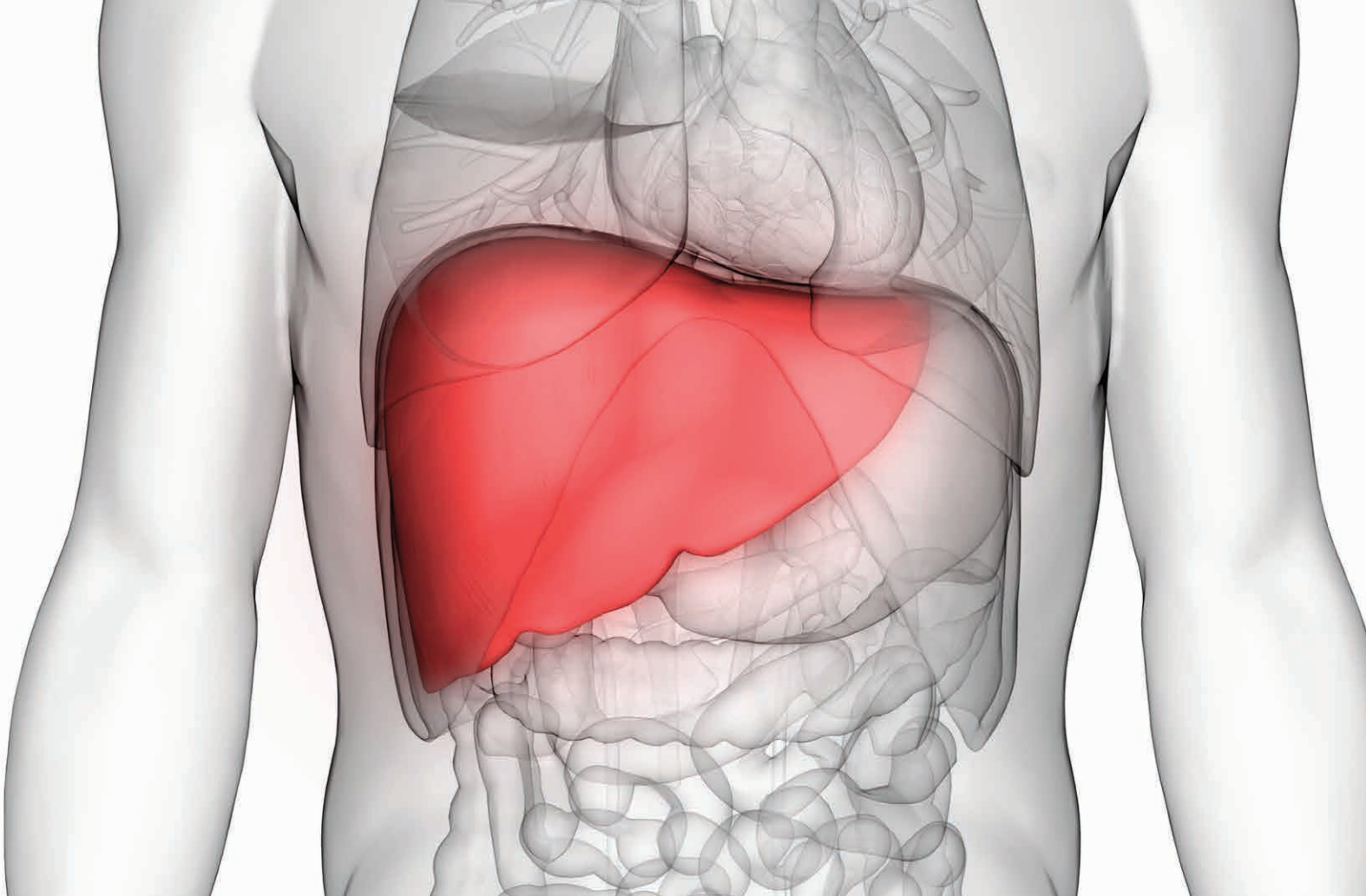


A Revitalised
Liver is Just a Turn Away





MIOT Institute of Integrated Liver Transplantation

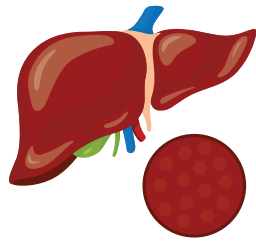
The liver is an essential organ, performing hundreds of functions necessary to sustain life, including filtering blood of toxins, producing bile to help digest food, producing immune factors essential for fighting infections, metabolising proteins and making hormones that other parts of the body need.

Your body cannot function if your liver stops working. Unfortunately, you remain largely unaware that your liver is damaged because there are no indicators until the damage is severe. A liver transplant may be necessary if your liver is no longer able to perform its critical functions.

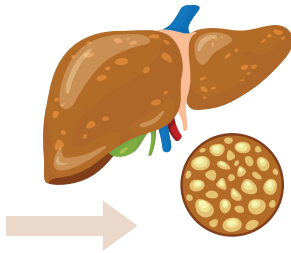
The liver is the second most transplanted organ. Liver transplantation is a surgery where a damaged liver is replaced with a healthy donor liver. The procedure involves removing the diseased liver and placing a new one to restore its vital functions. Liver transplantation can be from a deceased donor or a living donor.

Liver diseases such as advanced cirrhosis, liver cancers, inherited and congenital diseases are common reasons for a liver transplant. The procedure is curative when performed earlier in the disease phase as it provides a second chance at life.

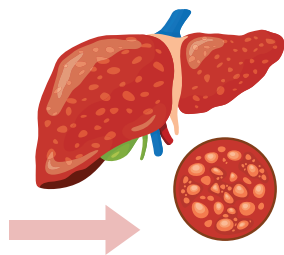
Stages of Liver Damage



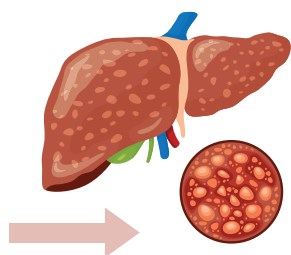
Healthy Liver



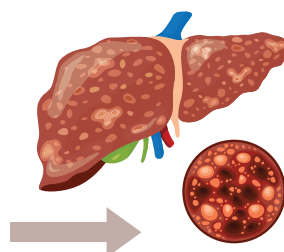
Fatty Liver



Fibrosis Liver



Liver Cirrhosis



Liver Cancer

Why Choose MIOT International for Liver Transplantation Surgery?

A general practitioner might refer you to a hepatologist if they suspect severe liver damage or failure, or if you show symptoms like jaundice, fatigue, or fluid retention.

You may need a liver transplant if you have a serious liver condition that isn't responding to treatment or if your liver isn't functioning properly. If your liver disease worsens and impacts your overall health and quality of life, a liver transplant could be recommended as a life-saving option. If a person shows the following signs or symptoms that may be an indication of an underlying liver problem,



Jaundice



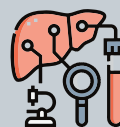
Ascites



Hepatic Encephalopathy
(Confusion, Excess Sleep)



Vomiting blood



Abnormal liver function
test results



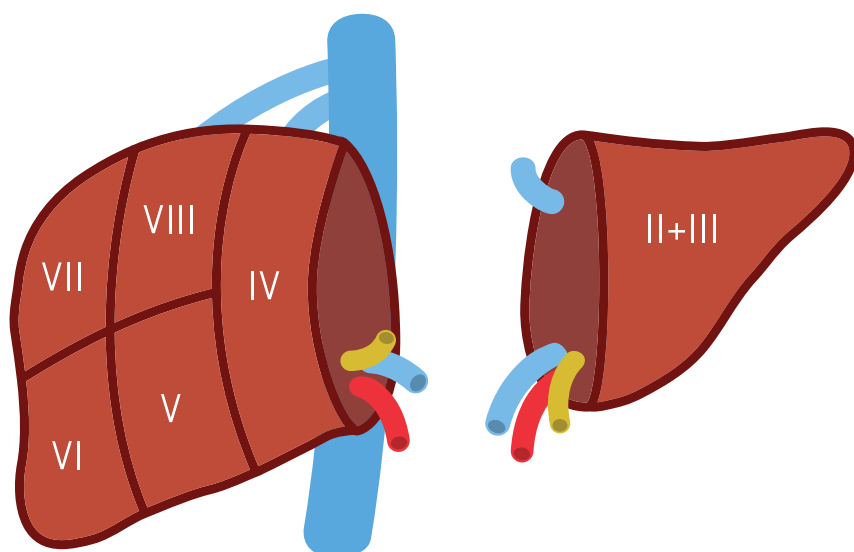
Gastrointestinal bleeding

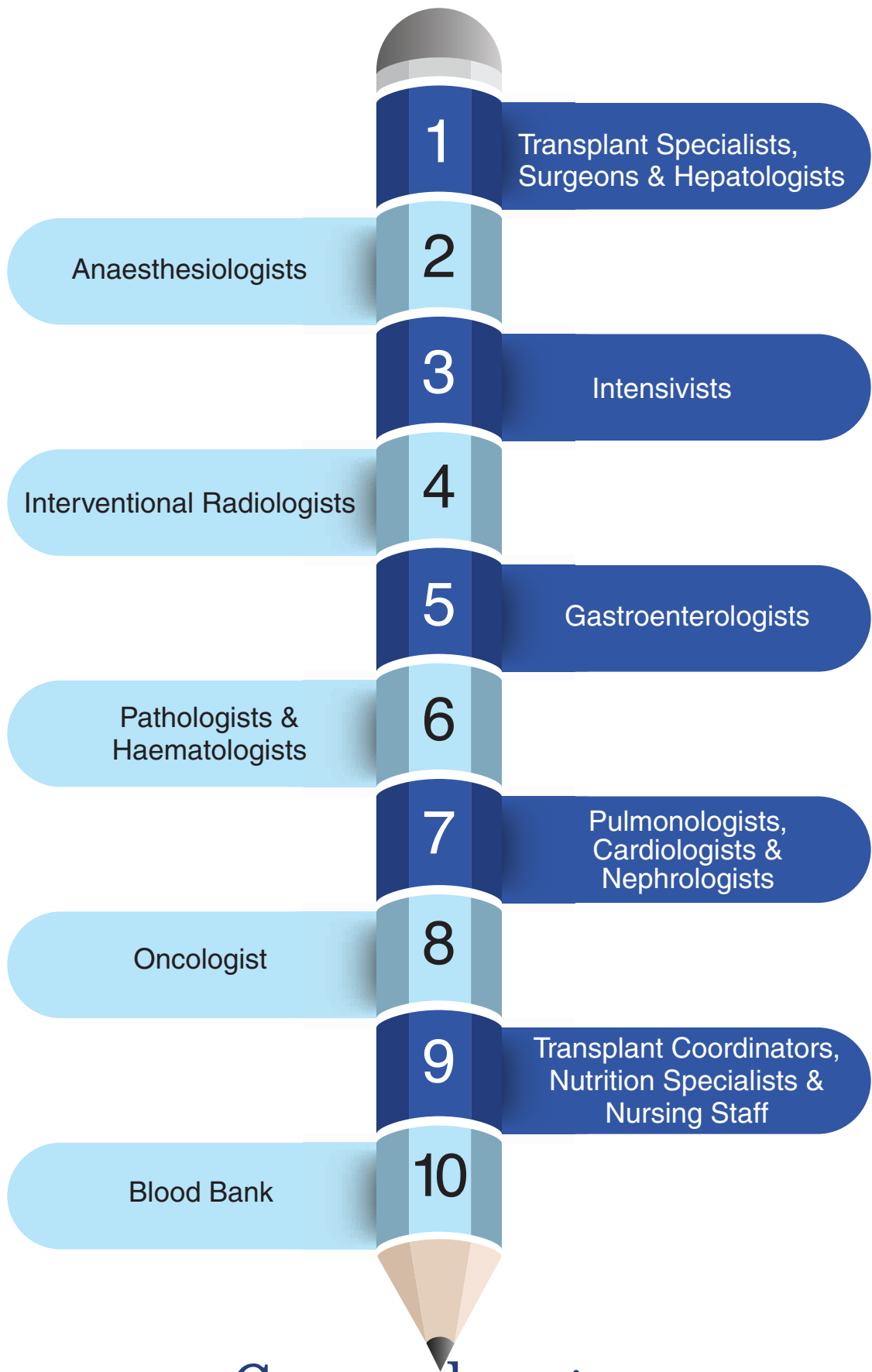
Dr. Karthik Mathivanan is the Program Director and Senior Surgeon of Liver and Multi-organ Transplant at MIOT International. He is an internationally renowned liver transplant surgeon. With more than 15 years of experience, he has extensive expertise in hepatobiliary and pancreatic transplants, laparoscopic gastrointestinal surgeries, and transplant oncology. Transplant oncology often involves advanced liver cancers, such as advanced hepatocellular carcinoma (HCC), locally advanced intrahepatic cholangiocarcinoma and advanced cholangiocarcinoma, colorectal and neuroendocrine cancers with liver metastasis. Dr. Karthik Mathivanan has been a core team member in over 2,000 transplant surgeries, demonstrating proficiency in complex and high-risk liver surgeries, particularly in living donor transplants.

Dr. Karthik Mathivanan is a pioneer in advocating for 'Organ Preservation', leading to numerous successful transplants. He has achieved several revolutionary milestones in liver transplantation, including receiving the "Travel Grant Award" at ILTS, Seoul for his paper titled "Effect of Extremes of BMI on Outcomes in Living Donor Liver Transplant - A Single Centre Experience of 942 Patients". Furthermore, he delivered a TEDx Talk on Emerging Research and Trends in Transplant Oncology and Cellular Therapy, showcasing his groundbreaking contributions to the field. He has published several influential articles in peer-reviewed medical journals.

His areas of expertise include:

- Acute Liver Failures
- ABO Incompatible Transplant
- Elderly Recipients
- Recipients with Extreme BMI
- SWAP Transplant
- Domino Transplant
- Split Liver Transplant
- Combined Cardiac Bypass and Liver Transplantation





Comprehensive Transplant Care Team

Left to right: **Dr. Thianesh Raj**, Anaesthesiologist; **Dr. Ashish Bangaari**, Liver Transplant - Anaesthesia & Critical Care; **Dr. K. Partheeban**, Senior Anaesthetist - Solid Organ Transplantation; **Dr. Vimalraj Velayutham**, Senior Surgeon - Hepatobiliary, Pancreatic & Solid Organ Transplantation; **Dr. Surendran. R**, Chairman Emeritus - Department of Hepatopancreatic Biliary Surgery & Liver Transplant; **Dr. Karthik Mathivanan**, Program Director & Senior Surgeon, Liver & Multi-organ Transplant; **Dr. Karthik Raj. M**, Program Director, Liver Transplant - Anaesthesia & Critical Care; **Dr. P. Venkata Sagar**, HPB & Liver Transplant Surgeon; **Dr. Vaibhav Vijay Savadi**, Anaesthesiologist, Department of Hepatopancreatic Biliary Surgery & Liver Transplant; **Dr. P. Ajay**, Registrar - Department of Liver and Multiorgan Transplant; **Dr. A. Pradeep Karthikeyan**, Intensivist - Liver Transplant ICU.



Why Choose MIOT International for Liver Transplantation Surgery?

- MIOT International is a leader in liver transplantation, combining advanced technology, expert care, and personalised treatment plans for the best outcomes.
- Robotic surgery, cutting-edge diagnostic tools, and state-of-the-art medical equipment ensure precision and quality care.
- MIOT follows stringent protocols to maintain a sterile and safe environment.
- Focused on high success rates and quality of life, our program achieves a success rate of 90-95%.
- From diagnosis to recovery, we provide holistic, continuous support to guide you every step of the way.



Robotic Surgery for Organ Transplantation

Currently, MIOT International uses robotic technology for live-related donor organ retrieval, offering enhanced precision and minimal invasiveness. Robotic surgery reduces the risk to surrounding tissues and risk of injury, shortens recovery times, and improves overall surgical outcomes. We are now poised to extend robotic technology to organ recipients as well, truly offering a minimally invasive surgical treatment. With advanced robotic-assisted intraoperative ultrasound, real-time imaging enables our surgeons to maintain precision throughout the procedure, leading to improved transplant success.

The Process of Liver Transplantation

- **Determining the Need for a Transplant:** A liver transplant is recommended for end-stage liver disease, acute liver failure, or liver cancer after thorough evaluation by specialists.
- **Pre-Transplant Evaluation:** Comprehensive health assessments ensure patients are fit for surgery and post-operative care.
- **Recipient Optimisation and Legal Processing:** The patient undergoes medical tuning for optimal condition, while legal formalities and ethical approvals are secured according to transplant protocols.
- **The Transplant Surgery:** The damaged liver is replaced with a healthy donor liver during a transplant, using robotic precision when necessary.
- **Post-Transplant Care:** Patients undergo close monitoring, immunosuppressive therapy, and regular follow-ups to ensure successful recovery.
- **Recovery:** A tailored recovery plan supports the resumption of normal activities within three months or more, depending on health.



MIOT Gold Standard Liver Transplant Programme (MGST)

Our MIOT Gold Standard Liver Transplant Programme ensures the best outcomes with a "no-compromise" approach to organ selection and care. Through careful selection of donor organs and the use of the latest medical techniques, our program aims for long-term survival and an improved quality of life.

- **High Success Rates:** With a success rate of 90-95%, we have one of the highest transplant success rates in the country.
- **Comprehensive Care:** Our multidisciplinary approach guarantees the best possible treatment before, during, and after the surgery.
- **Patient-Centered Support:** We are committed to providing emotional and medical support to patients and families throughout the transplant journey.



Comprehensive Diagnostic Approach for Liver Transplantation

- MIOT International offers a thorough assessment of the liver and other systems for accurate diagnosis and treatment planning.
- The hospital uses advanced, non-invasive tools such as Multi-slice CT/PET CT, 3T HDxt MRI, 4D ultrasound, and Fibroscan to detect and stage liver disease.
- These tools are quick, painless, and minimally invasive, providing a complete view of the patient's condition.
- The NABL-certified Laboratory Sciences department ranked 8th globally, provides cellular-level data for precise disease staging, decision-making, and post-transplant monitoring.

MIOT's Serene Environment Fostering Optimism and Goodness

Understanding that environment plays a significant role in overall health, the MIOT campus is located on a serene 14-acre space, offering a green, peaceful environment filled with fresh air, ideal for healing and rejuvenation.

To provide comfort for patient attendants confined to hospital rooms, MIOT introduced "The Healing Garden".

It provides a refreshing retreat for patient attendants and uplifts their spirits. In addition, to ensure everyone feels

at home, MIOT has launched Vindaloo restaurant, offering authentic global cuisines inspired by 130 countries.

At MIOT, we believe in caring for both the body and mind, providing a holistic healing experience for patients and their loved ones.



MIOT International is here to support you through your transplant journey with expert care. Reach out today for a healthier tomorrow.

For inquiries related to liver transplantation, please reach out to our team. We look forward to helping you achieve a healthier, more fulfilling life.

For more information or to schedule a consultation, please contact us: **Phone: +91 91761 96516**

Email: liverdiseases@miotinternational.com



MIOT Hospitals, Manapakkam, Chennai – 89.
www.miotinternational.com

Scan the
QR code to
know more

