



ROYAL CARE
HOSPITALS
making life better



H-2022-0901



IHCO-60010614



1A0D86A



2025-28

ROYAL CARE INSTITUTE OF LIVER SCIENCES & TRANSPLANTATION

Comprehensive Liver Transplant Program

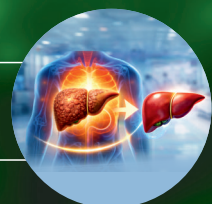
Royal Care Super Specialty Hospital, Coimbatore



**ROYAL CARE
LIVER TRANSPLANT
PROGRAM**

Live Life to the fullest

Contact: Liver First  Call Helpline – 8111005577





ABOUT THE PROGRAM



The Royal Care Institute of Liver Sciences & Transplantation provides comprehensive, end-to-end care for patients with advanced liver disease.

With highly specialised experts in the field of liver transplantation with international experience (USA, Japan), we bring the latest cutting edge technologies from the best liver transplant practices around the globe to Coimbatore.

The program integrates hepatology, transplant surgery, critical care, anesthesia, radiology, and rehabilitation into a single coordinated service.

Our program is designed to provide safe, ethical, and affordable liver transplantation with outcomes comparable to leading international centers.

Services include:

- **Adult liver transplantation**
 - o Living donor liver transplantation
 - o Deceased donor liver transplantation
- **Pediatric liver transplantation**
 - o Reduced living donor liver grafts
 - o Split liver transplantation
- **Combined organ transplantation**
 - o Liver – kidney transplants
 - o Heart – liver transplants
- **Management of acute liver failure**
- **Advanced hepatobiliary surgery**



“LIVE LIFE TO THE FULLEST”



OUR ACHIEVEMENTS

Program Highlights

- First LT program in India to perform deceased donor liver transplantation in a patient with a permanent pacemaker and successful return to normal life.
- First LT program in western Tamil Nadu to correct graft volumes with in-situ reduction of graft to suit patient needs, with successful clinical outcomes
- Liver transplantation in the presence of severe frailty - a key achievement from the multidisciplinary patient management team in liver transplant
- Successful adult and pediatric liver transplantation experienced surgical team
- Heart - Liver transplant capability: In-house heart transplant team in Western Tamilnadu
- Dedicated transplant ICU team with senior intensivist care for the entire hospital stay during transplant
- Dedicated twin operating rooms for living donor liver transplant
- Structured donor safety protocols
- Standardized perioperative care pathways

Clinical Strengths

- Complex vascular reconstruction expertise with experience of > 500 vascular procedures by the senior surgeon
- Only transplant hepatologist with IDCCM qualification in critical care in India
- Only liver transplant anesthesiologist with DM in liver transplant anesthesia and critical care
- Only LT program with expertise in the management of Pediatric metabolic liver disease
- Locally developed hypothermic machine perfusion protocol to ensure better graft function in marginal liver grafts
- Retransplantation capability
- Acute liver failure transplant readiness

The Royal Care liver transplant program continues to expand access to life-saving transplantation across Western Tamil Nadu and neighboring states.



THE TRANSPLANT TEAM



Surgical Leadership

Dr. Ilango Sethu, MS, MCh, FACS
Head of Liver Transplant Surgery

Dr. Ilango Sethu is an internationally trained liver transplant and hepatopancreatobiliary surgeon who leads the Royal Care Liver Transplant Program with a strong focus on surgical excellence, team-based care, and program development. He completed advanced fellowship training in multi-organ transplantation at UPMC, Pittsburgh, USA, and further specialized in pediatric liver transplantation at NCCHD, Tokyo, Japan. With senior leadership experience across major transplant centers in Chennai, Bangalore, and Vellore, he brings deep expertise in complex liver transplant surgery, HPB surgery, and multidisciplinary transplant care. Dr. Ilango Sethu has extensive clinical experience of more than 250 liver transplants and over 350 renal transplants. His leadership reflects precise operative judgment, commitment to patient safety, and dedication to building a comprehensive, high-quality transplant program.

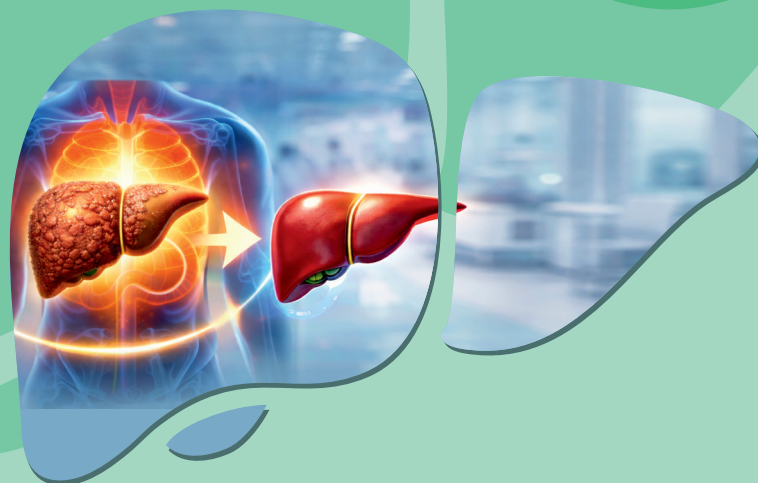
Education & Training

- MBBS – Madurai Medical College
- MS (General Surgery) – Medical College, Trivandrum
- MCh (GI & HPB Surgery) – Madras Medical College
- ASTS Multi-Organ Transplant Fellowship – UPMC, Pittsburgh, USA
- Pediatric Liver Transplant Fellowship – NCCHD, Tokyo, Japan
- Fellow, American College of Surgeons (FACS)

Professional Experience

- Head, GI Surgery & Solid Organ Transplant – Naruvi Hospital, Vellore
- Senior Consultant, HPB & Solid Organ Transplant Surgery – MIOT International, Chennai
- Senior Consultant, Liver Transplant & HPB Surgery – Fortis Hospitals, Bangalore
- Head, GI, HPB & Liver Transplant Surgery – Kauvery Hospital, Chennai

“LIVE LIFE TO THE FULLEST”



Core Transplant Team

Dr. Hemamala Ilango – Senior Consultant Transplant Hepatologist

Dr. Hemamala Ilango is a senior transplant hepatologist with advanced training in hepatology, transplant medicine, and critical care. She completed her DM in Medical Gastroenterology and Hepatology from Madras Medical College, followed by an IDCCM fellowship in critical care. She further underwent specialized training in transplant hepatology at the University of Pittsburgh Medical Center, USA. With this unique combination of expertise, Dr. Hemamala plays a pivotal role in the comprehensive care of patients with advanced liver disease, liver failure, and those undergoing liver transplantation, with strong focus on pre-transplant optimization, post-transplant care, and long-term hepatology follow-up.

Dr. Soundappan - Consultant GI, HPB & Transplant Surgeon

Dr. Soundappan is a skilled gastrointestinal, hepatopancreatobiliary, and liver transplant surgeon with focused training in complex GI and HPB surgery. He completed liver transplant fellowships at AIG Hospitals, Hyderabad, and Max Hospital, New Delhi, under Prof. Subhas Gupta. With a strong academic foundation and dedicated surgical training, he brings expertise in managing benign and malignant GI and HPB disorders, as well as liver transplant surgery. His clinical approach is defined by careful judgment, precise surgical technique, and commitment to delivering safe, patient-centered care across the spectrum of advanced gastrointestinal and hepatobiliary disease.

Dr. Seema Math - Consultant, HPB & Transplant Surgeon

Dr. Seema Math is a transplant surgeon trained under Prof. Vinay Kumaran, with strong expertise in liver transplantation and hepatopancreatobiliary surgery. She brings seven years of dedicated experience in living donor liver transplantation and HPB surgery, with a clinical practice grounded in precision, judgment, and multidisciplinary care. In addition to her transplant credentials, she is qualified in minimally invasive gastrointestinal surgery, allowing her to combine advanced open and laparoscopic surgical approaches according to patient need. Her work reflects a commitment to safe operative technique, thoughtful decision-making, and comprehensive perioperative care. With experience spanning complex hepatobiliary and transplant procedures, Dr. Seema Math contributes skilled, patient-centered care across the spectrum of advanced GI, HPB, and liver transplant surgery in both elective and high-acuity settings for diverse patients.

Dr. Abhinaya S. V. - Consultant Liver Transplant Anesthesiologist

Dr. Abhinaya S. V. is a consultant anesthesiologist with super-specialty expertise in liver transplant anesthesia, perioperative management, and critical care. She completed her DM in Organ Transplant Anaesthesia and Critical Care from the Institute of Liver and Biliary Sciences, New Delhi, after her MD in Anaesthesiology from ABVIMS and Dr. Ram Manohar Lohia Hospital, New Delhi. Her expertise includes anesthesia for liver and kidney transplantation, major HPB and GI surgery, advanced invasive hemodynamic monitoring, airway management, and perioperative critical care. She plays a key role in optimizing high-risk patients and ensuring safe anesthetic care through the transplant journey.



LIVING DONOR LIVER TRANSPLANT

Living donor liver transplantation offers a timely and effective treatment option for patients with advanced liver disease.

How do we ensure donor safety?

We promise 100% donor safety in our living donor liver transplant program. Our living donor protocols are designed for 100% safety and tested over 10 years of clinical practice in India

- Comprehensive 3 step donor evaluation
- Standardized surgical protocols in donor evaluation and surgery
- Post-donation monitoring program for life

Living donor recipient surgery

- Reduced graft liver transplantation in pediatrics
- Hooded hepatic vein outflow
- Technology to handle complex vascular issues

All donors undergo rigorous medical, surgical, and psychological assessment before donation.

Multidisciplinary Support Team

- Transplant Coordination
- Transplant ICU Team
- On Site Interventional Radiology
- Institute of Physical Medicine and Rehabilitation

Liver transplantation is delivered through coordinated team-based care rather than individual practice.



WHEN TO CONSIDER LIVER TRANSPLANTATION IN YOUR PATIENTS

Clinical Category	Specific Referral Criteria	Referral Trigger
Ascites	Refractory ascites; ≥ 1 SBP; HRS; Na < 130 mEq/L	First decompensation
Variceal Bleed	Recurrent bleed; Rescue TIPS	Persistent bleed after EVL, post TIPS
Hepatic Encephalopathy	≥ 2 overt episodes; Persistent HE despite therapy	Second episode
Synthetic Failure	MELD ≥ 15 ; Child B/C; Bilirubin > 3 mg/dL; INR > 1.5 ; Albumin < 3 g/dL	Early synthetic decline
HCC	any HCC Association with Chronic Liver Disease	At diagnosis of HCC in the presence of cirrhosis
Acute Liver Failure	INR ≥ 1.5 with encephalopathy; King's College criteria	Immediate referral
Cholestatic Disease	Recurrent cholangitis; Intractable pruritus	Symptom progression
Vascular Disease	Budd–Chiari; PVT with decompensation; Failed TIPS	Clinical deterioration
Pulmonary Complications	Hepatopulmonary syndrome; Selected portopulmonary HTN	Confirmed diagnosis

PEDIATRIC LIVER TRANSPLANT REFERRAL CRITERIA

Clinical Category	Specific Referral Criteria	Referral Trigger
Biliary Atresia	Failed Kasai; Persistent cholestasis; Recurrent cholangitis	Persistent jaundice beyond 3 months post-Kasai
Chronic Cholestasis	PFIC; Alagille; Severe pruritus; Growth failure	Growth faltering
Metabolic Disorders	Wilson disease; Urea cycle defects; MSUD; Tyrosinemia	First decompensation
Acute Liver Failure	INR ≥ 1.5 with encephalopathy; Rising INR; Metabolic acidosis	Immediate referral
Cirrhosis	Ascites; Variceal bleed; Encephalopathy	First decompensation
Growth Failure	Weight < 5 th percentile with liver disease	Documented malnutrition
Hepatoblastoma	Unresectable tumor; PRETEXT III/IV; Post-chemotherapy residual	At staging
Portal Hypertension	Recurrent bleed; Hypersplenism requiring transfusion	After first major bleed

For More Information



ROYAL CARE
HOSPITALS

making life better

- 📍 Royal Care Super Speciality Hospital Limited
No 1/520, Neelambur, Sulur Taluk,
Coimbatore, Tamil Nadu, 641062
- ☎ +91 422 2227000 +91 91434 91434
contact@royalcarehospitals.in
- ✉ transplant@royalcarehospitals.in

Contact: Liver First 📞 **Call Helpline – 8111005577**