PSG HOSPITALS, COIMBATORE

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About Medical Tourism

- Medical tourism is a growing sector in India. In October 2015, India's medical tourism sector was estimated to be worth US$3 billion. It is projected to grow to $7–8 billion by 2020. According to the Confederation of Indian Industries (CII), the primary reason that attracts medical value travel to India is cost-effectiveness, and treatment from accredited facilities at par with developed countries at much lower cost. The Medical Tourism Market Report: 2015 found that India was "one of the lowest cost and highest quality of all medical tourism destinations, it offers wide variety of procedures at about one-tenth the cost of similar procedures in the United States."
Foreign patients travelling to India to seek medical treatment in 2012, 2013 and 2014 numbered 171,021,236,898, and 184,298 respectively. Traditionally, the United States and the United Kingdom have been the largest source countries for medical tourism to India. However, according to a CII-Grant Thornton report released in October 2015, Bangladeshis and Afghans accounted for 34% of foreign patients, the maximum share, primarily due to their close proximity with India and poor healthcare infrastructure.

Russia and the Commonwealth of Independent States (CIS) accounted for 30% share of foreign medical tourist arrivals. Other major sources of patients include Africa and the Middle East, particularly the Persian Gulf countries.
In 2015, India became the top destination for Russians seeking medical treatment.[4] Chennai, Kolkata, Mumbai, Hyderabad, Bangalore and the National Capital Region received the highest number of foreign patients primarily from South Eastern countries, with Chennai having come to be known as "India's health capital“

Advantages of medical treatment in India include reduced costs, the availability of latest medical technologies, and a growing compliance on international quality standards, Doctors trained in western countries including US and UK, as well as English speaking personnel, due to which foreigners are less likely to face language barrier in India.
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DEPARTMENTS

- Neurology
- Pulmonary
- Cochelar Implant
- Gastroenterology & liver transplant
- HPBLT
- General surgery
- Cardiothoracic surgery
- Nephrology
Epilepsy affects 50 million people worldwide. One in 100 people will develop epilepsy. Each year over 1,25,000 to 1,50,000 are newly diagnosed with epilepsy.

Every two minutes a new case of epilepsy is diagnosed.

Epilepsy strikes most often among the very young and the very old, although anyone can get it at any age. 30% of those diagnosed are children.
Surgery is used when the injured brain tissue causing the seizure can be identified and safely removed without damaging psychological or major body functions.

Epilepsy surgery is the most underutilized of proven effective therapeutic interventions in the field of medicine.
The operations include removal of the area of the brain that is producing the seizures and interruption of the nerve pathways along which seizure impulses spread.
Procedure taken

- This test requires an admission to the hospital
- Average stay is 3 to 5 days
It cause any pain?????

- No
- Only the electrodes are pasted to the head as in a routine EEG
Conduct

- PSG COMPREHENSIVE EPILEPSY CARE CENTRE – EMU (Epilepsy Monitoring Unit)
- PSG Hospitals
  Peelamedu, Coimbatore – 641004, Tamilnadu
Epilepsy doctor

- Dr. Rajesh Shankar Iyer
  MD, DNB(MED), DM, DNB(NEURO), MNAMS
- Fellowship In Epilepsy Neurologist & Epileptologist
- Director – Comprehensive Epilepsy Care Centre
- Actively involved in the presurgical workup, epilepsy surgery and long-term postoperative follow up of more than 300 people with refractory epilepsy.
AWARD FOR TAKING EPILEPSY TREATMENT TO THE COMMON MAN
LUNG TRANSPLANTATION is an established therapeutic option with favorable risk benefit ratio for patients with advanced lung diseases for which there is no treatment or not doing well in spite of maximal medical management.

Physician treating chronic lung diseases, need to be aware of candidacy considerations, contraindications and timing of referral.
Diseases

- Interstitial lung disease
- COPD
- Pulmonary vascular diseases
Pulmonary Doctor

Dr. RM. PL. Ramanathan

- Awarded the “Fellow of American College of Chest Physicians” (FCCP) on 22nd October 2006.
- Received “Vocational Excellence Award” by Coimbatore Rotary Manchester on March 2012.
- He publication many national Journals & International Journals.
- He member in Life Member of Indian medical association, American Thoracic Society, etc.
Dr. Jnanesh J. Thacker

- He did two lung Transplant in India (Mumbai 2012 & Chennai 2013)
- He published many journals
- He gave lot of Guest lecture about Transplantation.
- He trained 20 Residents in Thoracic Surgery heart & lung procurement and 11 American and International fellows to do both procurement heart and lung and also implantation of heart and lung at the university of Pittsburgh from 2005 to 2011
Pulmonary medicine doctors
Cochlear Implant is a device that can be surgically implanted into a person's cochlear to stimulate it to cause hearing. It consists of a tiny receiver which is placed under the skin in the bony part behind the ear.
OBSTRUCTIVE SLEEP APNEA (OSA)

- Obstructive sleep apnea is a life threatening and life altering condition that occurs when a person repeatedly stops breathing during sleep because his or her airway collapses and prevents air from getting into the lungs.
- Sleep is repeatedly disrupted by apneas, depriving OSA sufferers from the deepest, most restful stages of sleep.
SYMPTOMS

- Excessive day time sleepiness
- Restless sleep at right
- Loud, disruptive snoring
- People with a thick, short neck
- Choking and gasping during sleep
- Long pauses in breathing
- Morning headaches, waking up tried
- Loss of energy, fatigue
- Depression
- Obesity
- Post menopausal add on weight in women
- Forgetfulness, irritability
- Trouble in concentrating
What may happen if OSA is not treated???

- Stroke
- Untreated OSA
- Cardiovascular disease
- High blood pressure
- Diabete
- Abnormal heart rhythms
DR. ANAND
MBBS, MS(ENT), DNB(ENT)
Cochlear Implant Dr. Anand

- Successfully completed 120 Cochlear Implant within a year in PSG IMSR.
- Best Doctor Award by Tirupur Rotary Club.
- Best Temporal Bone Dissection Award from Prof. Ugo Fisch.
- In Coimbatore the first post lingual adult cochlear implant (at the age of 55)
Surgical Experience

- Tonsillectomy
- Endoscopic sinus surgery
- Mastoidectomy
- Stapes surgeries
- Microlaryngeal surgeries
Other than routine surgeries

- Coblation Assisted intra oral laryngeal cancer surgeries (first one in india)
- Facial nerve decompression
- Endoscopic skull base surgeries like pituitary, CSF fistula closure
- Head & Neck oncology surgeries
Gastroenterology referral for liver transplant

Meets criteria for liver transplant (As above)

Liver transplant evaluation

Medically fits criteria for transplant

Deceased donor

Live Donor
A pancreas transplant is a surgical procedure to place a healthy pancreas from a deceased donor into a person whose pancreas no longer functions properly.

Types of pancreas transplant:
- Pancreas Transplant Alone (PTA)
- Simultaneous Pancreas Kidney Transplant (SPK)
- Pancreas After Kidney Transplant (PAK)
Who needs pancreas transplant??

- Type I Diabetes mellitus
- Type I Diabetes mellitus with end stage renal disease
- Type I Diabetes mellitus with other complications like retinopathy, neuropathy etc
- Failure of insulin therapy for diabetes management also patient with brittle diabetes.
- Patients with diabetes related metabolic complications like ketoacidosis, unawareness of hypoglycemic state
- To protect the transplanted kidney from diabetes related nephropathy.
LIVER TRANSPLANT OUTCOME

More than 85% of patients survive for several years following liver transplant.

PANCREAS TRANSPLANT OUTCOME

More than 85% of the patients live their life for several years without insulin and also free from diabetic related complications.
TRANSPANT DOCTORS

- Dr. L. Venkatakrishnan MBBS, MD, DM, DNB
- Dr. Swaminathan Sambandam MBBS, M.S (General Surgery), Abdominal Transplant Fellowship (USA)
- Dr. Joseph John MBBS, FRCS (UK), MRCS (EDINBURGH)
GENERAL SURGERY

- Advanced Surgeries
  - Head and Neck cancer surgery & reconstruction.
  - Oesophageal resections
  - Pancreatic surgeries
  - Colon & rectal cancer resections
  - Portal hypertension
  - Hepatobiliary and laparoscopic advanced surgery
  - Banalni surgery
Dr. T.S. Balashanmugam BSC, MBBS, MS(GEN SURGERY) F.MAS

- Minimal Access Surgery
- Gastroesophageal reflux disease
- Bartritic Surgery
- Natural orifice translumenal endoscopic surgery
- Laparoscopic surgery
- Laparoscopic colo-rectal surgery
- Acute pancreatitis

He member in many societies like SAGES, IAGES, AMASIEtc....
Thoracic surgical procedures for various diagnostic and treatment modalities of chest diseases.

Over a decade the department of cardio thoracic surgery is pioneered in emergency lung surgery of coughing out blood, lung cancer and tracheal reconstruction.
Facilities Available

- VATS (Video Assisted Thoracoscopic Surgery)
- Mediastino Scopy
Other Surgeries

- Minimal access cardiac surgery including off pump CABG
- Left ventricular restorative surgeries
- Aortic Aneurysmal Surgery
- Carotid endarterectomy
- Video assisted thoracoscopic surgeries
- Tracheal reconstruction surgery
- Heart – Lung Transplantation programme
- Circulatory assist devices, ECMO
Cardiothoracic surgery doctor

- Prof. Dr. Periyanarkunan Ramaiya Murugesan MBBS, MS, M.Ch, DNB (Gen. Sur), DNB (Card. Thoracic & Vascular Surgery)
  - He undergone 2000 open heart surgeries and 750 major vascular and thoracic procedure & 10000 major cardiac, vascular and thoracic procedure including CABG, Aortic Aneurysm Repair, Pneumonectomy and Tracheal reconstruction.
Awards and honors

- Best Outgoing student in under graduation in 1995
- Gold medal winner in general surgery in 1998
- Merit award for top score in national board examination cardiothoracic & vascular surgery
- Scientific Book written in tamil regarding cardiac surgery and preventive care for heart diseases