

Services Available

The broad scope of services is as follows:

Clinical Services

- Anesthesiology
- Cardiac Anesthesia
- Pain and Palliative care
- Clinical Hematology
- Critical Care
- Interventional Pain Clinic
 - Bone Marrow Transplantation
- Cardiology
 - Interventional Cardiology
- Cardiothoracic Surgery
- Dentistry
- Dermatology and Venereology
- Cosmetology
- Emergency Medicine
- Endocrine Surgery
- Medical Endocrinology
- General Medicine
- Geriatrics
- General Surgery
 - Minimal Access Surgery
 - Hepato Pancreatic Biliary Surgery
- Immunology & Rheumatology
- Infectious Diseases
- Maxillofacial Surgery
- Medical Oncology
- Neonatology
- Nephrology
- Dialysis
- Neurodevelopmental Pediatrics
- Neurology
 - Interventional Neurology
- Neurosurgery
- Spine Surgery
- Nuclear Medicine
- Obstetrics & Gynecology (OBG)
- Ophthalmology
- Orthopedic Surgery including Joint Replacement Surgery
- Otorhinolaryngology (ENT)



- Pediatric Cardiology
- Pediatric Oncology
- Pediatrics
- Physical Medicine & Rehabilitation
- Plastic & Reconstructive Surgery
- Psychiatry
- Pulmonary Medicine
- Interventional Pulmonology
- Radiation Oncology
- Radiology
- Interventional Radiology
- Respiratory Medicine
- Robotic Surgery
- Sports Medicine
- Medical Gastroenterology
- Hepatology & Interventional Endoscopy
- Surgical Gastroenterology
- Pancreatology
- Surgical Oncology
- Thoracic Surgery
- Urology
- Urology Onco Surgery
- Vascular surgery

Laboratory Services

- Clinical Biochemistry
- Clinical Microbiology
- Infectious Serology
- Clinical Pathology
- Cytopathology
- Hematology
- Histopathology
- Molecular Biology
- Flowcytometry

Diagnostic Services

- Audiology
- BMD/DEXA Scan
- C-Arm

- CT-Scan



- DSA Lab
- EEG
 - EMG
 - Fluoroscopy
 - Mammogram
 - MRI Scan
 - OPG
 - PET –CT
 - Pulmonary Function Test
 - SPECT –CT
 - Doppler Study
 - X-Ray(Digital,Dental,Portable)
 - Ultrasound
 - EBUS (Endobronchial Ultrasound)
 - Bronchoscopy(Rigid & Flexible)
 - Polysomnography (Sleep Study)
 - Thoracoscopy

Transfusion Services

- Blood Bank
- Blood Transfusion Services

Other services

- Ambulance Service
- Pharmacy
- Physiotherapy
- Speech Therapy
- Occupational Therapy
- Radioactive Iodine Therapy

Services Not Available

- Medical Termination of Pregnancy
- Severe burns
- Organ Transplantation Services
- Sterilisation



DEPARTMENTAL SCOPE OF SERVICES:

Anesthesiology

Department of Anesthesiology is the facilitator for the surgical work undertaken in the hospital and it has now grown to a multi-specialty facility catering from general surgery to super specialty and delicate surgeries with intensive and palliative care. Highly sophisticated invasive and non-invasive monitors and equipment like state of art ventilators and fibre optic bronchoscope are its assets.

BMT



Bone marrow transplant (BMT) is a special therapy for patients with certain cancers or other diseases. A bone marrow transplant involves taking cells that are normally found in the bone marrow (stem cells), filtering those cells, and giving them back either to the donor (patient) or to another person.

Cardiology

The department of Cardiology has earned a great reputation for rendering excellent service in the past with one of the best Coronary Intensive Care Units in the central Kerala with cardiac monitors, ventilators and other accessory equipment.

Adult & pediatric Echocardiography, TMT, TEE and 24 HR. Holter monitoring.

- 12 Bedded Coronary care unit with invasive monitoring, ventilator support and bedside dialysis facility.
- Coronary Angiography, Primary and elective Angioplasty.
- Device/Coil Closure of ASA, VSD & PDA
- Embolization of bleeding Vessels, A-V Malformation, etc. using coils, Microspheres
- AAA Stenting
- Balloon Mitral Commissurotomy
- Permanent Pacing
- Cardiac Resynchronization Therapy, Implantation of ICD
- IVUS (Intravascular Ultrasound) and FFR
- TAVI
- EPS and KFA

Cardio Vascular and Thoracic Surgery

Department of Cardio Vascular and Thoracic Surgery have Cardiac Catheterization Laboratory and Cardiovascular Surgical theatre, Post Cath Intensive Care Unit and Post Cardiac Catheterization Unit where both Angioplasty and Cardiac Surgery can be done at one sitting. Facilities for Angioplasty, Bypass surgery, Valve repair, Balloon dilatation of the valves, Valve replacement surgery, Pacemaker Implantation etc are available here.


Child Development Clinic(CDC)


OPD Services

Development screening and assessments

ASD (Autism spectrum disorder) / ADHD (Attention deficit Hyperactivity Disorder) screening and assessment

Development therapy



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Occupational therapy

Psychological assessments

- s IQ assessment
- s Learning disability assessment
- s Behaviour therapy
- s Psychology counseling

Remedial education

Speech Therapy

High risk newborn follow up

Dentistry

The Department of Dentistry has achieved international standards in providing dental treatments and sterilization techniques. The department provides various advanced treatments like cosmetic dental treatment (tooth colour filling, correction of spaced teeth in single visit), Ceramic bridge and Caps, Root Canal treatment (multiple and single visits),Surgical removal of teeth, Maxillofacial Surgeries, Implants (Single tooth implants, Implant returned floating denture, Periodontal surgeries, Dentures(full, partial, fixed, cast partial, immediate and over dentures), Preventive treatments for dental carries in children (sealants and fluoride application), prosthesis for cancer patients.

Dermatology

Department of Dermatology has a fully equipped & daily functioning department with up to date facilities are available. Special clinics in Allergy, Acne, Psoriasis, Vitiligo, Colour changes and hair fall are functioning. Various procedures such as Microdermabrasion, chemical peeling, Facial rejuvenation, Punch grafting, Biopsy, Cryosurgery, Radiosurgery and Electrosurgery, Painless injection for keloids, Iontophoresis are done at an affordable cost.

ENT

The Department of ENT provides all general ENT surgeries, Micro surgeries of the ear, Endoscopic Sinus surgeries for chronic sinusitis and Nasal polyps, Microlaryngeal Surgeries, Phonosurgeries for voice pathologies, Endoscopic procedures in Larynx, Head and neck surgeries, Diagnostic and Therapeutic endoscopic procedures in esophagus & bronchus including foreign body removal.

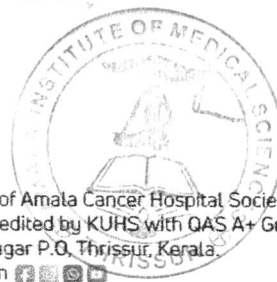
Major Cancer Surgeries of Head & Neck with Rehabilitation

Microscopic Ear Surgeries

FESS & Septal Surgeries

CSF Rhinorrhea Repair

Adenotonsillectomy



Tracheostomy
Microlaryngeal Surgeries
Advanced Endoscopic Anterior Skull Base Surgery & Lateral Skull Base Surgery
Coblation-Assisted Oropharyngeal Surgeries
Thyroid Surgeries

Gastroenterology

The Department of Gastroenterology provides ICU modern endoscopic theatre with endoscopy, colonoscopy, enteroscopy, ERCP and all Therapeutic endoscopic procedure like EVL, Polypectomy, APC, REG, Feeding, Sub mucosal resection. The OP facility includes general OPD with liver and pancreatic Clinic.

General Medicine

The Department of General Medicine is often considered the backbone of the hospital and it has the largest number of beds in the hospital. The department has most modern ICU with ventilators, ABG Machine, multipara monitors. The department has developed several specialty services like hematology, diabetes, critical care, snake bite and also gives awareness for HIV infection and endocrine disorders and adult immunization.

Chest & Respiratory diagnosis for chronic pulmonary diseases, Hematology disorders of blood & blood clotting

General Surgery

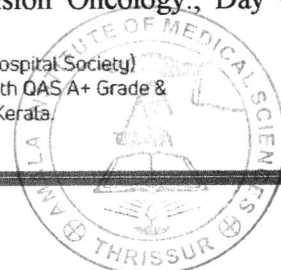
The Department of General Surgery is equipped to cater to all elective and emergency surgical procedures. Apart from general and emergency surgery and Trauma Care, the department also provides facility to basic advanced laparoscopic surgery. A wide range of laparoscopic surgeries are performed that include Diagnostic Laparoscopy, Laparoscopic appendectomy, Laparoscopic Cholecystectomy, Laparoscopic Hernia repair - Inguinal, Ventral, Incisional, Umbilical. Laparoscopic Fundoplication, Abdominal Rectopexy, Onco surgery and other bowel related surgery, including stapler Haemorrhoidopexy.

Geriatrics

Medical Oncology

Medical Oncology as part of Comprehensive Cancer Care that offers treatment of both solid and dermatological malignancies, with stem cell transplantation added recently, has exclusive 'Day Care' Chemotherapy ward and equipped with facilities to manage chemotherapy induced complications. We have counselors and dieticians to guide the patients. We are well versed in giving Chemotherapies, including newer targeted therapies as per latest international guidelines.

Paediatric Oncology, Paediatric and Adult Leukemia Unit., Precision Oncology., Day Care



Therapy Unit and Procedure Room, Bone Marrow Transplantation Unit (Autologous, Allogenic Related, Maternal unrelated, Haloidental donor transplantation, CART cell therapy, Neutropenia ICU with Semi ICU facility, Clinical Research Unit, Molecular Oncology Lab, Comprehensive Cancer Registry)

Neonatology

Neonatology is the specialized care of new born including premature babies. The advent of newer therapeutic modalities, artificial life support techniques and infection control mechanism has tremendously decreased mortality in new born. The Neonatal Intensive Care Unit has all facilities like neonatal ventilators, Arterial blood Gas monitoring, Neonatal Echo Cardiography, Ultrasonogram, MRI, Central / Peripheral Arterial Catheterisation, Umbilical venous catheterization, phototherapy, exchange transfusion etc. The NICU team is highly qualified with experience abroad and is capable of dealing with any neonatal emergency including neonatal surgical problems.

Nephrology

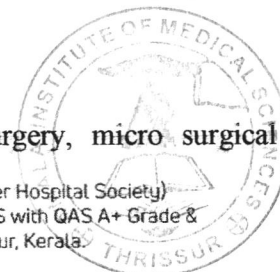
The Department of Nephrology has facilities for investigation of patients with kidney diseases, Diagnosis and treatment of all renal problems, Haemodialysis for acute & chronic renal failures, Continuous Arterio-venous and Veno-venous haemodialysis. Fully equipped Hemodialysis unit. ICU Dialysis, Sustained low-efficiency Dialysis (SLED), Ultrasound guided percutaneous Renal biopsy, Plasmapheresis, Hemoperfusion for poisonings, Acute Peritoneal Dialysis, CAPD (continuous Ambulatory Peritoneal Dialysis) Programme, Access creation for dialysis: Permanent and temporary hemodialysis catheter insertions, AV fistula creation, CAPD catheter insertions.

Neurology

Department of Neurology provides quality patient care and is equipped with latest modalities for the diagnosis and management of various neurological disorders. The Department actively pursues clinical care in the sub specialties of Stroke, Epilepsy, movement disorders, headache, Neuro infection and immunology, Neuro-muscular disorders and Dementia. Time is brain when it comes to treating stroke. Our team is 24x7 hours deep alert in treatment and acute Ischemic Stroke and to treat appropriate patients with intravenous tissue plasminogen activator (IV tPa) a thrombolytic agent also known as clot busting drug. The Department has facilities for intra arterial Thrombolytic Therapy for acute stroke. Facilities available: Electro encephalogram (EEG), Nerve Conduction Studies (NCS), Electromyography (EMG), Evoked Potential (VEP, SSEP, BERA), Video EEG Monitoring, Cerebral Angiogram, Carotid Doppler, Trans cranial Doppler, Plasmapheresis.

Neurosurgery

The department of Neurosurgery offers advanced spinal surgery, micro surgical tumor



surgeries and head injury surgeries. Has comprehensive trauma care facility for head and spinal surgery, for head spine injury also has facility for evacuation of intracranial and spinal hematomas, decompressive craniotomy, Laminectomy, spinal instrumentation. Facilities for Electroencephalography, Electroneuromyography, Evoked Potentials, Photosensitivity testing and Neuro imaging is available.

Obstetrics & Gynecology & Fertility

Tertiary level care for expectant mothers with high-risk pregnancies, Continuous foetal monitoring and non-stress testing, Ultrasound and Doppler studies, Level-V Laparoscopic surgeries, Morcellator and endoscopic examinations. Well-equipped labour room with: Continuous foetal monitoring, colour, State of the art Labour Room with exclusive Labour Suite, Doppler scanning, 3D/4D Scanning, CTG, Infertility Unit: Systematic evaluation and individualized treatment for infertility, Ultrasound scanning, Doppler, HSG, Hysterosonogram, IUI- treatment, Hysteroscopy and Laparoscopic surgeries for infertility treatment. All kinds of vaginal surgeries including: Vaginal Hysterectomy, Non-descend vaginal hysterectomy, Vault prolapsed surgery, Sacrospinous Colpopexy Advanced Laparoscopy and Hysteroscopy for Removal of uterus, Uterine Fibroids, Endometriosis, Endometrial, Uterine septum, Uterine synechiae. High Risk Obstetric case management with fetal screening, Facilities for Epidural Analgesia (Painless Labour), Advanced Open & Vaginal Surgeries, Advanced Laparoscopic Surgeries, Facilities for Operative Hysteroscopy, Advanced Gynaec Oncology Surgeries, Urogynaecology, Cancer Detection Clinic, Adolescent Clinic, Menopausal clinic

Ophthalmology

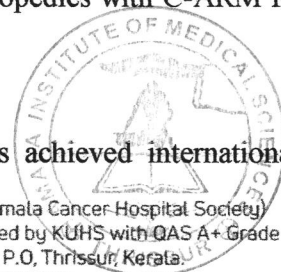
The Department of Ophthalmology ensures treatment for routine eye testing, evaluation of refractive errors and contact lens evaluation. For further development, the department plans for corrective surgery for birth defects, reconstructive eye surgeries and surgery of retinal detachment.

Orthopaedics

Arthroscopy with shaver system for key hole surgery of joints, Interlocking nailing with C-arm image intensifier, Total joint replacements, Ilizarov ring fixator, Treatment of complicated fractures using AO principles, Treatment of bone tumors. Level III Trauma Care Unit consisting of emergency medicine, neuro surgeon, orthopedic surgeon and general surgeon working as a team 24 hours a day, Trauma ICU with a 1:1 patient to nurse ratio, fully stainless steel laminar flow operation theatre exclusively for orthopedics with C-ARM facilities for hip and spine surgery.

Oral & Maxillo Facial Surgery

The Department of Oral & Maxillo facial Surgery has achieved international standards in



providing dental treatments and sterilization techniques. The Department provides various advanced treatments like cosmetic dental treatment (tooth color filling, correction of spaced teeth in single visit), Ceramic bridge and Caps, Root Canal treatment (multiple and single visits), Surgical removal of teeth, Maxillofacial Surgeries, Implants (Single tooth implants, Implant returned floating denture, Periodontal surgeries, Dentures (full, partial, fixed, cast partial, immediate and over dentures), Preventive treatments for dental carries in children (sealants and fluoride application), prosthesis for cancer patients.

Palliative Care

Palliative care is the active total care of patients and their families by a multi-disciplinary team at the time when the patients' disease is no longer responsive curative treatment. It is an approach that improves the quality of life of patients and their families facing the problem associated with life threatening illness, through the prevention and relief of suffering. Palliative care responds to physical, psychosocial, mental, economic and spiritual needs. It also extends necessary support in bereavement.

Pediatrics

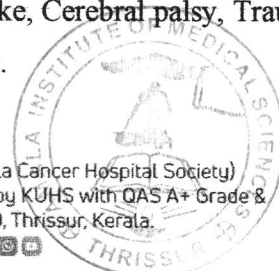
Pediatric department is a well-equipped department with all facilities to provide primary, secondary and tertiary health care to children. Consultant pediatricians are available in the hospital 24 hours. Outpatient services, Outpatient emergency services, Evening OP, 24*7 Emergency services, Specialty OPS: Immunization clinic, Child development center (CDC), Paediatric cardiology clinic, Paediatric rheumatology clinic, Paediatric asthma clinic, High risk new born clinic, In patient services, NICU, PICU

Pediatric Surgery:

Pediatric Surgery department deals with all the surgical conditions in children below the age of 14 years, including congenital malformations (birth defects) like cleft lip, imperforate anus, Trachea Esophageal fistula, Diaphragmatic Hirsch springs disease, club foot etc and all neonatal surgical problems.

Physical Medicine & Rehabilitation

Rehabilitation is a relatively new branch of medicine and is not as well known as other traditional branches. Though the aim of all medical practitioners is to prevent diseases as far as possible, not all diseases can be prevented while some diseases can be treated to a state of recovery. There are some diseases which result in one time which is non progressive. Some examples of such diseases are Traumatic brain injury, Stroke, Cerebral palsy, Traumatic spinal cord injury, Amputation, Neuromuscular diseases, Arthritis.



Plastic and Micro Vascular Surgery

The Department of Plastic and reconstructive surgery offers its services for the repair of various parts of the body following burns, Traumatic injuries, Congenital defects correction, Accident and Trauma care, Hand Injury, facial and flap coverage for trauma, Cosmetic surgery and Micro surgery. These corrections are done using separable tissue from the patient's body itself.

Psychiatry & Psychology

The Department of Psychiatry & Psychology has an excellent facility for Psycho diagnostics, which would help in adequate diagnosis and management of various psychiatric and other disorders. A large number of special schools are utilizing the required services from our institution. Family therapy and other family welfare programs are the other attractions of the center. We have facilities for behavior therapy, cognitive behavior therapy and sex therapy. We have a special clinic for hearing disability and childhood behavioral problems. Bedside counseling is provided for the patients. Parents and relatives are educated for the nature of illness and lifestyle changes that could play a therapeutic or preventive role. Dietary and nutrition advice, alcohol and drug de-addiction programs, child psychiatry and the HIV cell are some of the special services that offer the patient an insight in to their problem.

Psychiatry

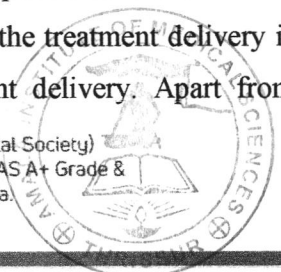
The work of the department is guided by the Alma Ata WHO declaration, which seeks for a healthy mind in a healthy body. General adult psychiatry, child psychiatry, De-addiction services, Bio feedback, Psychotherapy are the services given by the department.

Radio diagnosis

The Department of Radiology is well equipped with all modern imaging modalities like Digital X-Ray, MRI, Spiral CT, Ultrasound, Mammography, Image Intensifiers and Colour Doppler etc. All sophisticated Radiological and imaging investigations are undertaken.

Radiation Oncology

Patients upon referral for external radiation are seen by the radiation oncologist who briefs them about the various aspects of radiation. Patients then undergo CT scan of the affected area for radiotherapy planning purpose. These images are transferred to the planning computers where the tumor and the normal structures are accurately drawn. Computerized planning is done so that radiation treatment is focused on the tumor region thereby delivering maximum dose to the tumor, while minimizing the dose to the surrounding critical structure as much as possible. The best plan is then transferred from the planning computers to the treatment machine using LANTIS. Patients are then set up and the accuracy of the treatment delivery is assessed using electronic portal imaging before the actual treatment delivery. Apart from



delivering accurate state of the art radiation it is also our endeavor to make the patients treatment as comfortable as possible.

Urology

Treatment for prostate problems, Urinary stone disease treatment, all Uro surgical procedures including Keyhole (Laparoscopic) surgeries. The Department of Urology in this pre-eminent missionary institution has been a leader in providing tertiary level expertise in Urological care at an affordable cost to a large section of society in Kerala. We have always attempted at the forefront of the innovations and technological refinements occurring in our field and have been able to maintain a high level of integrity and scientific approach in our patient care with great results on patient acceptability and trust. Main services provided and procedures are Prostate Enlargement - TUR (Trans Urethral resection), Bladder Masses, Urinary stone treatment ESWL, Ureteroscopy (URS) + Lithotripsy, PCNL, Female Urology Anti Incontinence Surgery, Pediatric Urology, Andrology, Oncological and Reconstructive Urology (In association with our department of Oncology).

Oncology

Cancer patients can get Surgical, Medical and Radiation Oncological Treatment all under one roof. Palliative care for patient and family is available. Thousands of patients and relatives make use of our Palliative Care Unit which even offer home care treatment. Our Radiation Department has got state of the art Radiation Treatment with facilities for External Beam Radiation (Teletherapy) and Internal beam Radiation (Brachytherapy).

Vascular Surgery

Amputation Prevention Services, Diabetic Foot-Preventive & Treatment Services (Arterial Diseases: - Angiogram-Angioplasty/Stents, Limb Bypass Surgery, Varicose Veins: Glue Therapy, Laser, Surgery, Foam Sclerotherapy, CKD Patient (AV Fistula, AV Graft, PERM Cath, Lower Limb Fistula), Aneurysm Surgery / Endovascular (EVAR, TEVAR, Open Surgery), Lymphodema Care, Deep Vein Stenting, Vascular Trauma



Betsy
Dr. BETSY THOMAS
MD, FRCOG, DNB, MICOG
PRINCIPAL

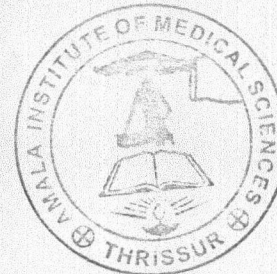
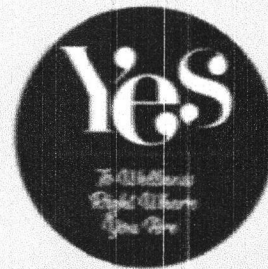
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AMALA NAGAR, THRISSUR-680 555



AIMS - Scope of Services

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- Clinical Haematology
- Child Development Centre



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Transfusion Services

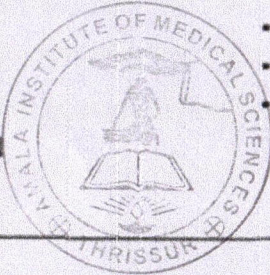
- Blood Bank
- Blood Transfusion Services

Unavailable Services

- Medical Termination of Pregnancy
- Severe burns
- Organ Transplantation Services
- Sterilisation

75+

DEPARTMENTS
MISSION
 YOUR HEALTH
 OUR SANCTUARY



Betty Thomas
DR. BETTY THOMAS

MD, FRCOG, DNB, MICOG
 PRINCIPAL

AMALA INSTITUTE OF MEDICAL SCIENCES
 AMALA NAGAR, THIRISSUR-680 555

The community it serves

Amala has grown into a premier institution rooted in four cardinal pillars- Clinics, Academics, Research & Human Welfare delivering healthcare services across Thirissur & near 04 districts of Kerala.