1.GENERAL MEDICINE

Outpatient services

- Diabetes clinic
- Hypertension clinic
- Endocrine clinic

Inpatient services

- Emergency care
- Intensive Care Unit
- Dialysis unit
- Infectious diseases
- Respiratory diseases
- Liver and GI disorders
- Renal diseases
- Neurological disorders
- Endocrine diseases
- Cardiac disorders
- Rheumatological diseases
- Poisonings, bites and stings
- Geriatric care

2.GENERAL SURGERY

Outpatient services

- General surgery
- GI surgery
- Paediatric surgery
- Urology
- Vascular surgery
- Plastic surgery

Inpatient services

- Breast and thyroid surgeries
- **Onco-surgery:** Carcinoma of colon, stomach, gist, carcinoma of liver and gallbladder
- Cancers of thyroid and breast and sarcomas
- **Gastro-intestinal surgery:** Surgeries of liver, and pancreas such as Whipple's and Frey's
- Paediatric surgery
- Diagnostic endoscopic services
- Laparoscopic surgery
- Emergency Surgery
- Hernia surgeries
- Proctology
- Diabetic foot management
- Urology procedures

3.PSYCHIATRY

- Outpatient services
- In patient services
- General psychiatry services
- Deaddiction clinic (alcohol, other drugs, behavioural addiction) including Tobacco Cessation centre
- Geriatric mental health services
- Child and adolescent mental health
- Intellectual Quotient (IQ) assessment
- Specific Learning Disability (SLD) assessment
- Developmental screening for age group of 0-15 years
- Counselling and Psychotherapy which includes individual, marital, family counselling etc.
- Multidisciplinary Team (MDT) Clinic in collaboration with Pain and Palliative Medicine
- Yoga therapy for mental health issues
- Cross Consultation services (CLP - Consultation Laison Psychiatry)

4.PAEDIATRICS

Outpatient services

- Routine checkups like growth monitoring, development and address concerns by parents
- Immunisation services
- Treatment of common illness like cold, cough, ear infections, respiratory infections, asthma, allergies etc.
- Chronic conditions like asthma, diabetes, epilepsy etc.

Inpatient services

Paediatric ward

In general illness which are not severe –

- **Respiratory:** Pneumonia, asthma, chronic cough, etc.
- **Gastrointestinal and Renal:** Diarrhoea, pain abdomen non-surgical, hepatitis, constipation, nephrotic syndrome, acute glomerulonephritis, urinary tract infection, etc.
- **Cardiovascular:** Congenital heart disease, rheumatic heart disease etc.
- **Central Nervous System:** Epilepsy, febrile seizures, meningitis, encephalitis etc
- **Others:** Rheumatoid arthritis, diabetes mellitus, hypothyroidism, etc.

Paediatric Intensive Care (PICU)

- Non-invasive and invasive ventilation services for both respiratory, cardiac and other problems
- Humidified high flow nasal cannula ventilation
- **Respiratory:** Moderate to severe respiratory distress like pneumonia, acute bronchiolitis, asthma etc.
- **Cardiovascular:** Congestive cardiac failure, congenital and acquired heart diseases requiring PICU care
- **Central Nervous System:** Meningitis, encephalitis, encephalopathy, status epilepticus
- **Gastrointestinal and Renal:** Severe diarrhoea, severe jaundice, acute glomerulonephritis with hypertensive emergency and urgency, nephrotic syndrome with severe edema, etc.

- **Other conditions:** Severe dengue, malaria, sepsis with shock, severe anaemia, diabetic ketoacidosis, scorpion sting and snakebite, poisoning, dyselectrolytemia, metabolic disorders etc.

Neonatal Intensive Care (NICU)

- Care of preterm
- Perinatal asphyxia
- **Ventilation:** Invasive and non-invasive ventilation, high frequency ventilation, CPAP, humidified high flow nasal cannula ventilation, inhaled nitric oxide (iNO)etc.
- Phototherapy and exchange transfusion for high bilirubin levels
- Hypothermia, hypoglycaemia and other newborn conditions which can be managed here

5.NEUROLOGY

Outpatient services

- Patients with different kinds of headache, migraine, vertigo, visual disturbance, parkinson's, dystonia, tremors, dementia, neck and back pain, limb pain, body pain, epilepsy, stroke, brain hemorrhage, traumatic brain injury, muscle weakness, peripheral neuropathy, urine and stool incontinence, memory problems, change of personality, sleep problems, weakness of arms/legs, pins and needles in limbs/different parts of the body, carpal tunnel syndrome and other peripheral nerve entrapment and palsies, cranial nerve palsies, spondylosis, unsteadiness and imbalance of gait and posture, frozen shoulder etc.
- **Investigations:** Video EEG, NCS/EMG, EVOKED POTENTIALS

Inpatient services

- Meningitis, encephalitis, epilepsy, stroke due to infarcts and haemorrhage, cortical venous thrombosis, unconsciousness and altered awareness, abnormal behaviour, dystonia, CNS cysticercosis, CNS tuberculosis, brain tumors, optic neuritis, ataxia, cranial nerve palsies, radiculopathy, myelopathy, peripheral neuropathy, muscle disease, myasthenia gravis

6.OTOLARYNGOLOGY

Outpatient services

- ENT consultations and follow-up care
- **Minor OPD procedures**
  - DNE – Diagnostic Nasal Endoscopy
  - Fibreoptic laryngoscopy
  - Otoscopy and microscopic ear examination
  - **Ear syringing**
    - Foreign body removal (ear/nose/throat)
    - Nasal packing for epistaxis
    - Dressing and suction clearance
  - Specialty clinics (allergy, headache, vertigo, tinnitus, voice)
  - Narrow band imaging
  - Stroboscopy
  - Incision and drainage of abscess
  - Biopsy of oral/nasal lesions
  - Nasal cauterisation
  - Ear and nose piercing
  - Ear lobuloplasty

- **Audiology services**
    - Pure Tone Audiometry (PTA)
    - Impedance Audiometry (Tympanometry)
    - Oto-acoustic emissions
    - Auditory Brainstem Response (ABR)
    - Automated Auditory Brainstem Response (AABR)
    - Auditory Verbal Therapy (AVT)
    - Speech therapy

Inpatient services

- Management of ENT infections and trauma
- Emergency airway management (e.g., tracheostomy)
- Treatment of epistaxis
- Management of vertigo and balance disorders
- **Surgical services: Elective surgical services**
    - A. Ear surgeries
        - Myringotomy with/without grommet insertion
        - Tympanoplasty
        - Cortical and modified radical mastoidectomy
        - Ossiculoplasty
        - Facial nerve decompression
        - Temporal bone resection
        - Stapedectomy/Stapedotomy
        - Excision of preauricular sinus or cyst
    - B. Nose and sinus surgeries
        - Septoplasty
        - SMR – Submucous resection
        - Coblation turbinoplasty
        - Functional Endoscopic Sinus Surgery (FESS)
        - Endoscopic Dacryocystorhinostomy (EN-DCR)
        - Nasal fracture reduction
        - Endoscopic CSF rhinorrhoea repair
        - Balloon eustachian tube dilatation
    - C. Oral cavity, throat and laryngeal surgeries
        - Coblation assisted release of fibrous bands
        - Tonsillectomy (conventional/ coblation)
        - Adenoidectomy (conventional/ coblation/microdebrider)
        - Uvulopalatopharyngoplasty (UPPP) for OSA
        - Microlaryngeal surgeries (e.g., vocal cord polypectomy, biopsy)
        - Phonosurgeries
        - Laryngectomy
    - D. Head and neck surgeries
        - Excision of benign and malignant neck masses
        - Thyroglossal cyst/sinus excision
        - Branchial cyst excision
        - Lymph node biopsy/excision
        - Parotidectomy
        - Thyroid surgery

- Tracheoplasty

- E. Airway and emergency procedures
  - Tracheostomy (elective and emergency)
  - Foreign body removal from airway/oesophagus under GA
  - Endoscopic evaluation and management of airway obstruction

- F. Facial and aesthetic surgeries
  - Rhinoplasty (functional and aesthetic)
  - Facial reanimation techniques
  - Oral Commissuroplasty
  - Management of maxillofacial fractures
  - Rhytidectomy

- G. Specialised/Advanced surgeries
  - Endoscopic skull base surgery
  - Cochlear implant surgery
  - Balloon sinuplasty
  - Coblation surgeries for ENT lesions

7.DENTAL

Outpatient services

- **Clinical procedures**
  - Supra gingival scaling , Root planning
  - Gingivectomy and Gingivo-plasty
  - Frenotomy and frenectomy
  - Treatment of gingival and periodontal abscess
  - GIC restoration for initial caries and composite restoration.
  - Root Canal Treatment (RCT)
  - Crown (only for faculty)
  - FPD and RPD (only for faculty)
  - Orthodontic treatment (Only for students)
  - Extraction, trans alveolar extraction, surgical disimpaction, canine disimpaction, canine exposure, soft tissue biopsy, premalignant lesions, cyst enucleation, marsupialisation, peripheral osteotomy of cystic lesions, maxillofacial jaw fractures, intra lesional steroids for oral sub mucous fibrosis, extra oral mole or wart removal, TMJ arthrocentesis, ridge augmentation using mandibular symphysis graft.
- **Investigations**
  - RVG (X- ray)
  - CT and MRI

8.RADIOLOGY:

Diagnostics

- Conventional Radiography (X-ray)
- Special X-ray and fluoroscopic procedures (Barium studies, MCU, RGU, IVP, HSG, etc.)
- Mobile radiography (available for inpatients and critical care units)
- CT scan services (including contrast-enhanced and multiphase studies)
- MRI services (neuro, MSK, abdominal, vascular, fetal MRI and dedicated protocols)
- Ultrasound imaging (abdomen, pelvis, obstetric, thyroid, breast, etc.)
- Colour Doppler studies (arterial, venous, obstetric, and foetal doppler)
- Diagnostic Fetal medicine service(early, anamoly scan, NT Scan , fetal echo, growth scan)
- Non-vascular interventional procedures (USG/CT-guided FNAC, biopsies, aspirations, drainages, etc.)

9.PHYSIOTHERAPY

Outpatient services

1. Musculoskeletal physiotherapy

- Treatment of back, neck, shoulder, knee, and joint pain
- Post-fracture and orthopaedic surgery rehabilitation
- Sports injury management
- Manual therapy (mobilisations, manipulations)
- Exercise prescription and functional training

2. Neurological physiotherapy

- Stroke rehabilitation
- Spinal cord injury
- Parkinson's disease and other movement disorders
- Multiple sclerosis
- Balance and co-ordination training

3. Cardiopulmonary physiotherapy

- Post-surgical cardiac rehabilitation
- Chronic obstructive pulmonary disease (COPD) management
- Asthma, bronchitis, and post-COVID recovery
- Breathing exercises and chest physiotherapy for ICU and General Ward patients
- Early mobilisation in ICU
- Weaning from ventilator support
- Positioning and secretion management
- Prevention of ICU-acquired weakness

4. Paediatric physiotherapy

- Developmental delay interventions
- Cerebral palsy management
- Congenital disorders (e.g., spina bifida, torticollis)
- Motor co-ordination training
- Chest and respiratory physiotherapy for NICU, PICU and paediatric ward children

5. Geriatric physiotherapy

- Fall prevention and balance training
- Osteoarthritis and osteoporosis management
- Strength and mobility training
- Pain management for age-related conditions

6. Women's health physiotherapy

- Antenatal and postnatal care
- Diastasis recti management, postural management and breastfeeding techniques
- Pelvic floor rehabilitation
- Urinary incontinence
- Menopause-related musculoskeletal issues

7. Post-surgical rehabilitation

- Total joint replacement (hip, knee, shoulder)
- Spinal surgery
- Abdominal and thoracic surgery recovery
- Scar tissue management and mobility restoration

8. Pain management

- Chronic pain syndromes
- Fibromyalgia
- Myofascial pain
- Electrotherapy modalities (TENS, IFT, ultrasound, Wax therapy, EMS, Traction)
- Exercise therapy and home exercise programmes

9. Ergonomics and occupational health

- Repetitive strain injury management
- Return-to-work programmes
- Postural training

10. Preventive and wellness programmes

- Fitness assessments
- Lifestyle and physical activity counselling
- Weight management programmes
- Community education and health promotion by conducting camps

11. Oncology and Palliative Care Physiotherapy

- Cancer rehabilitation (lymphedema, fatigue management)
- Pain and mobility management for palliative patient

12. Performance and sports science

- Athlete performance assessment and enhancement
- Injury prevention workshops
- Return-to-sport conditioning

13. Vestibular and balance rehabilitation

- Vertigo and dizziness management
- Vestibular hypofunction therapy and neurological cases
- Fall prevention for elderly and neurological cases

14. Maxillofacial and Temporomandibular Joint (TMJ) Physiotherapy

- TMJ dysfunction treatment
- Facial palsy rehabilitation

15. Community-Based Rehabilitation (CBR)

- Rural and community outreach programs

10.AYURVEDA

Outpatient services

- **Digestive disorders:** Gastritis, acid reflux, IBS
- **Respiratory disorders:** Asthma, sinusitis, allergies, bronchitis
- **Women's health:** PCOS, menstrual disorders, menopausal care
- **Joint and musculoskeletal issues:** Osteoarthritis, sciatica, rheumatoid arthritis, spondylitis, osteoporosis, post-fracture rehabilitation
- **Paediatric care:** Allergies, fever, skin problems, asthma, immunity rejuvenation
- **Lifestyle disorders:** Diabetes, hypertension, obesity

11.OPHTHALMOLOGY

Outpatient services

1. Clinical services offered

- Comprehensive ophthalmic evaluation
- Refractive error assessment and spectacle prescription
- Cornea clinic
- Glaucoma screening and management
- Retinal disorders screening and medical management
- Paediatric ophthalmology and strabismus screening
- Ocular trauma assessment and primary care
- Ocular surface disorders clinic
- Neuroopthalomolgy clinic

2. Diagnostic facilities

- Slit lamp biomicroscopy
- Applanation and non-contact tonometry
- Fundus examination (direct and indirect ophthalmoscopy)
- Visual acuity and refraction
- A-scan biometry
- B-scan ultrasonography
- Fundus photography
- Optical Coherence Tomography (OCT)
- Perimetry – Visual Field Analysis

3. Community ophthalmology and outreach

- Regular free eye screening camps in rural and under-served areas
- School screening programmes
- Awareness drives on preventable blindness and eye donation

Inpatient services

- Pre-operative evaluation of cataract and other eye disorders
- Post-operative management
- Management of complex ocular infections and inflammations
- Medical Management for ocular trauma, orbital cellulitis, optic neuritis, etc.

Surgical services

- Cataract surgery: Phacoemulsification with IOL implantation
- Pterygium excision with conjunctival auto graft
- **Lid surgeries:** Chalazion, entropion, ectropion correction
- Corneal procedures like keratoplasty

- Ocular surface disorder procedure like – SLET
- Intravitreal injections
- Ocular trauma repair
- **Minor OT procedures:** Syringing, probing, cyst removal, foreign body removal

Eye bank services (planned)

- Corneal retrieval and transplantation services
- Eye donation awareness and co-ordination with NGOs
- Storage and distribution of donor corneas
- Eye bank technician training

12.ORTHOPAEDICS

Outpatient services

- **Consultation and examination**: Evaluation of bone, joint, and muscle conditions
- **Specialised clinics**
  - **Spine clinic:** Treating spinal disorders and injuries, trauma and fracture indicator treatment
  - **Joint and arthroplasty clinic:** Joint replacement and resurfacing
  - **Paediatric orthopaedics:** Treating orthopaedic conditions in children
  - **Sports medicine clinic:** Treating sports-related injuries
  - **Hand and microsurgery clinic:** Treating hand and finger conditions
- **Non-surgical treatments**
  - **Physical therapy**: Exercises and stretches for recovery
  - **Medications**: Managing pain and inflammation
  - **Lifestyle changes**: Recommendations for diet, exercise, and habits

Inpatient services

- **Surgical procedures**
  - **Joint replacement surgery**: Replacing damaged joints with artificial ones
  - **Arthroscopy**: Minimally invasive surgery for joint issues
  - **Soft tissue repair**: Repairing muscles, tendons, and ligaments
  - **Fusion surgery**: Joining vertebrae in the spine
  - **Osteotomy**: Cutting and reshaping bone
  - **Fracture repair**: Treating broken bones
  - Deformity correction procedures
  - Illizarov procedure
- **Conditions treated**
  - **Bone problems**: Fractures, bone deformities, bone infections, bone tumours
  - **Joint problems:** Arthritis, bursitis, dislocation, joint pain, joint swelling
  - **Muscle and tendon issues**: Ligament and tendon tears, tendonitis
  - **Spinal conditions**: Herniated disks, spinal stenosis, scoliosis, spinal fractures

13.ANAESTHESIOLOGY

- General and regional anaesthesia
- Awake tracheal intubation
- Continuous spinal anaesthesia
- Continuous erector spinae plane analgesia

- Greater occipital nerve block for PDPH
- ICU support

Outpatient services

- **Pain medicine:**
  - Outpatient clinic
  - MDT clinic with psychiatry and clinical psychology
  - Pain medicine interventions
  - Clinical research
  - Inpatient pain management
- **Palliative care clinic**
  - Outpatient clinic
  - Inpatient pain management
  - Palliative care interventions
  - MDT Clinic
  - Clinical research

14.DERMATOLOGY

Outpatient services

- **Dermatology consultations and follow up care procedures**
- Intralesional steroid injections
- Phototherapy
- Cryotherapy
- Iontophoresis
- Electrocautery
- Biopsies of skin and nail
- **Care for Rare**
  - Epidermolysis bullosa
  - Xeroderma pigmentosa
  - Palmoplantar keratoderma
  - Ichthyosis

15.OBSTETRICS AND GYNAECOLOGY:

Outpatient services

- **General gynaecological services**
  - Diagnosis and management of menstrual disorders (e.g., menorrhagia, amenorrhea, dysmenorrhea)
  - Management of pelvic pain, fibroids, ovarian cysts, endometriosis, and other benign conditions
  - Contraceptive counselling and procedures (IUCD, injections, implants, sterilisation)
  - Minor procedures (D and C, polypectomy, biopsy)
- **Preventive obstetrics - high risk**
  - GDM screening
  - PIH screening

- **Antenatal Clinic**
  - ANC yoga
  - Pregnancy nutrition
- **High-risk pregnancy identification and management**
  - Triaging of high-risk mothers in OPD
  - Surgical intervention in pregnancy if indicated (cervical cerclage, appendicectomy)
- **Reproductive endocrinology and infertility**
  - Evaluation and management of infertility
  - Hormonal therapies and basic assisted reproductive techniques (if available)
- **Adolescent clinic**
  - Evaluation and management of puberty-related concerns, menstrual irregularities, PCOS
  - Counselling on reproductive health and hygiene
- **Menopause clinic**
  - Management of menopausal symptoms
  - Osteoporosis screening and treatment
  - Hormone Replacement Therapy (HRT) counselling
- **Family planning clinic**
- **Oncology clinic**
- **Urogynaecology services**
  - Diagnosis and management of urinary incontinence, pelvic organ prolapse
- **Infectious diseases**
  - Diagnosis and management of sexually transmitted infections (STIs)
  - Vaginal infections, pelvic inflammatory disease (PID)
- **Counselling and health education**
  - Patient education sessions on reproductive health, family planning, menopause, and cancer awareness

Inpatient services

- Major surgeries (hysterectomy, myomectomy, ovarian cystectomy)
- Laparoscopic and minimally invasive surgeries
- **Perinatal care and management**
  - Labor analgesia
  - Foetal monitoring in labour
  - Elective and emergency caesarean section
  - Contraceptive counselling
- **Post-natal care**
  - Post-natal counselling
  - Lactation counselling
  - Care of the newborn by neonatologist

16. Cardiothoracic and Vascular Surgery

Inpatient services

- **Cardiac surgery**
  - **Coronary Artery Bypass Grafting (CABG)**: Surgery to bypass blocked coronary arteries

- **Heart Valve Repair/Replacement**: Surgery to repair or replace damaged heart valves MVR/AVR/TVR/DVR
- **Surgery for Congenital Heart Defects**: ASD, VSD, TOF, PDA, COA, DORV, REPAIR OF VALVES, AVCD, TAPVC/PAPVC, GLENN/FONTAN, etc.
- Cardiac tumours
- Aortic aneurysm
- Pericardiectomy
- Permanent pacemaker insertion
- Pericardial window Lateral thoracotomy/ subcostal drainage
- Redo surgery

- **Robotic Cardiac Surgery**
- **Vascular surgery**
  - Vascular repair post trauma
  - AV fistula for dialysis
  - Peripheral vascular disease bypass surgery
- **Thoracic surgery**
  - **Mediastinal surgery**: Surgery to remove tumours or cysts in the mediastinum, non-malignant
  - **Pleural surgery**: Surgery to treat pleural effusions or other pleural disorders
  - Thyroid surgery with mediastinal extension requiring CTVS support
- **Advanced services**
  - **Minimally invasive surgery**: Surgery performed through small incisions, reducing recovery time and scarring
- **Multidisciplinary care**
  - **Collaboration with cardiologists**: Working together to provide comprehensive care for cardiac patients
  - **Critical care services**: Providing intensive care for patients after cardiothoracic surgery

17. Cardiology

Adult Cardiology

- CCU CARE
- Cardiac arrhythmia diagnosis and treatment
- Management of acute coronary syndromes
- Heart failure management
- Diagnosis and management of dissection of aorta
- Diagnosis and management of pulmonary embolism
- Cath lab services
- Coronary angiogram
- Coronary angioplasty and stenting
- IVUS guided coronary angioplasty and stenting
- Primary angioplasty in acute myocardial infraction
- Pace marker implantation
- Non-invasive cardiology
- Echocardiogram
- TMT
- Holter monitoring
- Trans oesophageal echocardiogram (TEE)

Paediatric Cardiology

- **Paediatric Cath lab procedures commonly performed**
  - **A. Diagnostic Cath Study to assess hemodynamic and anatomy of complex congenital heart disease**
  - **B. Cath Interventions**
    - ASD/VSD/PDA Device closure
    - Balloon aortic Valvuloplasty
    - Balloon pulmonary Valvuloplasty
    - Balloon Dilatation of Coarctation of Aorta
    - Coarctation of aorta stenting
    - Right ventricular outflow tract stenting
    - MAPCA coiling
    - Permanent Pacemaker Implantation
    - Balloon Atrial Septostomy
    - Ductal stenting
    - Pericardiocentesis
  - **C. Other Diagnostics services**
    - Foetal Echocardiography
    - Trans esophageal Echocardiography
    - CT pulmonary angiography
    - Cardiac MRI (starting soon)