



ONCOLOGY SERVICES



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RESPECT FOR LIFE

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Respect for Life
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At Sir H. N. Reliance Foundation Hospital and Research Centre, the department of Oncology Services offers comprehensive services encompassing the finest evidence-based care. Patients and their families are assured of total empathy from doctors, nurses and paramedical staff.

The central theme is to provide, under one roof, all the complex and diverse care that every oncologic patient needs and deserves. Our role includes not only diagnosis and treatment, but also prevention, rehabilitation and restoration of normal life.

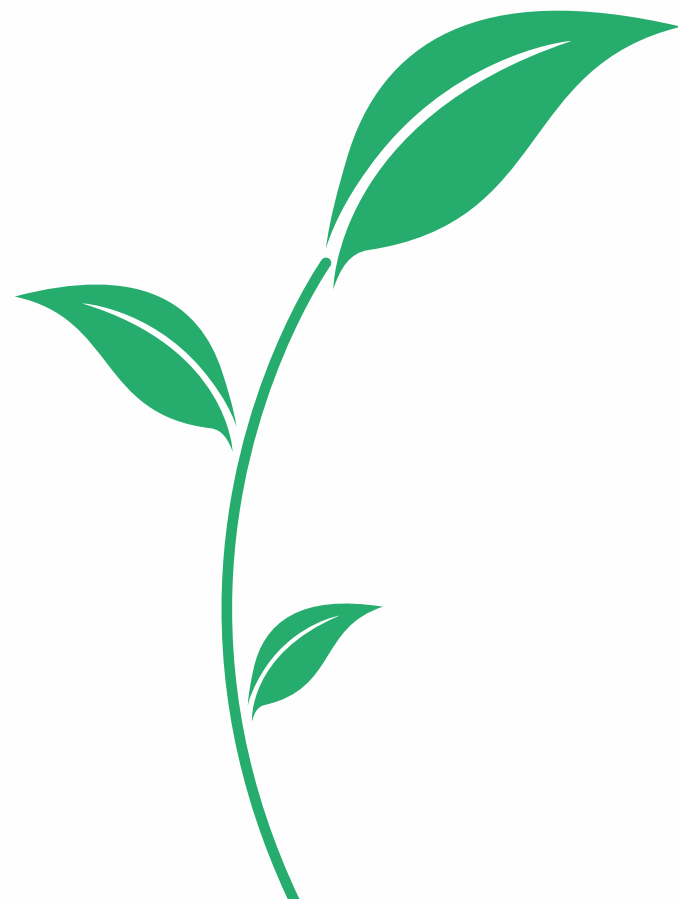
Indeed, at Sir H. N. Reliance Foundation Hospital and Research Centre, we don't just treat the body, we go further: we respect life.

TECHNOLOGY & INFRASTRUCTURE

Meticulous planning has gone into creating world-class infrastructure and procuring cutting-edge equipment for our Oncology Department.

- We conduct the most advanced and complicated surgical procedures in our modular operating theatres. We have the da Vinci Robotic system and advanced laparoscopic and thoracoscopic systems for minimally invasive surgery. In addition, we have the Intra-Operative Ultrasound (IOUS), Cavitron Ultrasonic Aspirator and Dissector (CUSA) for liver parenchymal transections, Argon Plasma Coagulator (APC) and Harmonic Scalpel. For intra-operative chemotherapy administration, we are equipped with HIPEC/ HITHoC delivery systems

- For optimal administration of chemotherapy, all modern-day chemotherapy facilities, HEPA filtered rooms, isolation rooms for immunocompromised patients and Laminar Flow cabinets to prepare chemotherapy drugs in a safe environment are in place
- We have the country's first 'True beam STX' Linac with 6 D couch and EDGE SRS package, capable of delivering high-precision radiotherapy treatments
- Sophisticated diagnostic services and well-equipped Intensive Care Units (ICUs) manned by qualified senior consultants help our doctors ensure better outcomes. Colposcopies help diagnose and treat the most common cervix-related problems most efficiently
- To support our sophisticated treatment capabilities we have established state-of-the art lab facilities with flow cytometry and molecular pathology systems
- Our patients will also benefit greatly from the rehabilitation services, equipped with the latest physiotherapy equipment



SURGICAL ONCOLOGY

HEAD NECK ONCOLOGY AND RECONSTRUCTIVE SURGERY

This department offers treatment for malignancies of the oral cavity, pharynx, larynx, salivary glands, thyroid, parathyroid and skull base. The centre is multidisciplinary, encompassing all aspects of care, including diagnosis, evaluation, treatment, rehabilitation and palliation. It functions through a multi-disciplinary tumour board to provide currently recommended standard-of-care approaches.

HEAD NECK ONCOLOGY AND RECONSTRUCTIVE SURGERY:
Level 3, Tower, 8 am - 8 pm

SERVICES

Oncologic Surgery (Tumour/Ablative Surgery)

- Oncologic surgery for the Upper Aerodigestive tract Tumours (UADT) as well as the skin of the head, face and neck
- Conservation laryngeal surgery, laryngectomy
- Jaw tumours: Per-oral resections, pull-through procedures (avoiding/ minimising facial scars), improving functional and aesthetic outcomes, 3D reconstructions and computer-aided cutting guides
- Orbital tumours: Open craniofacial surgery for tumours of the anterior skull-base in conjunction with neurosurgery
- Skull-base surgery for tumours of the lateral skull-base, i.e., temporal bone resections
- Salivary gland tumour surgery with facial nerve monitoring
- Thyroid and parathyroid gland surgery with intra-operative nerve monitoring
- Vascular malformations involving the scalp, face, neck and UADT
- Transoral Robotic Surgery (TORS) for tumours of the oral cavity, oropharynx, larynx and laryngopharynx

- Transoral laser surgery for tumours of the oral cavity, oropharynx, larynx and laryngopharynx
- Submandibular salivary gland transfer

Reconstructive Surgery (Microvascular Reconstruction)

- Local and regional methods for reconstructive surgery to optimise functional and aesthetic outcomes
- Free Tissue-Transfer, including but not limited to immediate appropriate reconstruction with the use of standard soft-tissue, visceral or bone-flaps
- Facial reanimation procedures

Speech and Swallowing Rehabilitation

- Focus on optimising functional outcomes for all Head Neck tumours
- Post-laryngectomy/ Alaryngeal speech rehabilitation, including but not limited to tracheoesophageal punctures (primary and secondary) and prosthesis
- Prosthetic rehabilitation for the orbit, nose, ears
- Dental rehabilitation - primary and secondary osseointegrated implants, prosthetics
- Submandibular salivary gland transfer



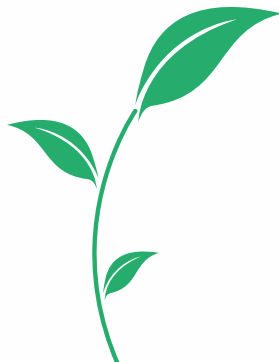
THORACIC SURGICAL ONCOLOGY

This department provides state-of-the-art care for cancers affecting the oesophagus, lung, as well as all other malignancies presenting in the thoracic region. A multi-disciplinary tumour board considers every aspect of the diagnosis, treatment and rehabilitation in all cases.

THORACIC SURGICAL ONCOLOGY:
Level 3, Tower, 8 am - 8 pm

SERVICES

- Open and minimally invasive surgery for oesophageal cancer, mediastinal mass resection, lung cancer (lobectomy, pneumonectomy, segmentectomy), metastatectomy
- Chest wall resection and reconstruction
- Minimally invasive pleural biopsies and VATS pleurodesis
- Bullectomy and mechanical decortication
- ORIF ribs for trauma
- VATS sympathectomy
- Video mediastinoscopy
- Diagnostic bronchoscopy
- Thoracoscopy and biopsy
- Early detection of carcinoma oesophagus and lung
- Endobronchial Ultrasound with FNAC (EBUS-FNAC)
- Endoscopic Ultrasound (EUS) and Endoscopic Mucosal Resection (EMR) of the oesophagus for early stage oesophageal cancers



HEPATO-PANCREATICO-BILIARY (HPB) SURGICAL ONCOLOGY

This department offers surgical treatment for cancers of the liver, bile duct and pancreas. With a team of well-trained and highly qualified surgeons, we offer the full gamut of services covering diagnosis, surgery and rehabilitation.

HEPATO-PANCREATICO-BILIARY (HPB) SURGICAL ONCOLOGY:
Level 2, Heritage, 8 am - 8 pm

SERVICES

- Radical surgery for pancreatic cancer
- Extended resection for pancreatic cancer with vascular resection/ reconstruction
- Management of primary and secondary liver tumours, including complex liver resection
- Use of advanced techniques in liver resection: ALPPS for bilobar metastatic disease/ hilar cholangiocarcinomas
- Extended resections for complex liver lesions/ hilar tumours with vascular reconstruction
- Radical surgery for gall bladder and biliary tract cancers
- Synchronous resections for liver metastases and colonic tumours
- Radical surgery for complex and advanced intra-abdominal tumours including complex sarcomas - requiring major complex organ and multi-visceral resections
- Allied HPB and GI conditions including stomach tumours, Gastro-Intestinal Stromal Tumours (GIST) and Neuroendocrine Tumours (NET)
- Evaluation and management of pancreatic cysts
- Percutaneous TransHepatic Cholangiography and Drainage (PTC/PTBD)
- TransArterial Embolisation & TransArterial ChemoEmbolisation (TAE/TACE)
- Radiofrequency Ablation (RFA)
- Key hole surgery for malignancies of the liver and pancreas
- Parenchyma preserving liver surgeries

GASTRO-INTESTINAL & COLORECTAL SURGICAL ONCOLOGY

This department offers surgery for cancers of the stomach, small intestine, colon, rectum and anal canal. Our team of specialists perform minimally invasive surgery as well as sphincter preserving surgery for colorectal cancer. We bring together the expertise of a multidisciplinary team to provide comprehensive and co-ordinated care for all types of gastro-intestinal cancers.

GASTRO-INTESTINAL & COLORECTAL SURGICAL ONCOLOGY:
Level 2, Heritage, 8 am - 8 pm

SERVICES

- Open and minimally invasive radical surgery for stomach, intestine, colon, rectum and anal cancer
- Colorectal reconstructive surgery (Pouch Surgery)
- Diagnostic and therapeutic laparoscopies
- Sphincter preserving surgeries
- Synchronous liver and colonic tumour resections
- Stoma related counselling and stoma care clinics
- Endoscopic Mucosal Resection (EMR) and excision biopsies
- Genetic counselling and screening for familial bowel cancers
- One-stop Rectal Bleeding clinic, constipation clinic and stoma care & counselling clinic

GYNAECOLOGIC SURGICAL ONCOLOGY

This department provides ethical and compassionate treatment for premalignant and invasive cancers of the ovary, cervix, uterus, vulva and vagina. Our dedicated team of surgical, medical and radiation oncologists offer a wide range of services, including early detection, complex surgical procedures (conservative and radical), rehabilitation, counselling and prevention.

GYNAECOLOGIC SURGICAL ONCOLOGY:
Level 3, Tower, 8 am - 8 pm

SERVICES

- Preventive oncology:
 - Colposcopy, LEEP, cryo cauterisation, conisation, PAP smear and HPV testing for early diagnosis and treatment of premalignant conditions of cervix, vulva, and vagina
 - In high-risk groups: Clinical examination, Transvaginal Ultrasound and Ca-125 for early diagnosis of ovarian cancer
 - Systematic follow-up with transvaginal sonography in high risk groups for endometrial cancer
 - Lectures and counselling for cancer prevention and early detection
 - Genetic counselling and testing
- Fertility-preserving surgery like radical trachelectomy, ovary preserving cystectomy, ovarian transposition for suitable patients
- Hyperthermic Intra-peritoneal Chemotherapy (HIPEC) and post-operative Intra-peritoneal (IP) chemotherapy through port for ovarian cancer
- Extensive debulking staging laparotomy and Peritonectomy for ovarian cancer
- Nerve sparing Radical Hysterectomy (Robotic/Open) for cervical and endometrial cancer
- Systematic radical surgery for endometrial cancer
- Intra-operative frozen section for accurate diagnosis and decision-making during surgery
- For suspected ovarian cancer cases, diagnostic laparoscopy (keyhole) followed by frozen section and SOS completion surgery (laparoscopic/open)



- Cervical cancer vaccination and counselling
- Radical vulvectomy, inguinal lymph node dissection with reconstruction for vulvar cancer
- Radical vaginectomy
- Completion surgery/ adjuvant treatment for incomplete treatment done outside
- Palliative surgery in advanced stage cancer patients
- Compassionate care in terminal cases
- Anterior/ Posterior/ Total exenteration surgery for extensive cancer of cervix, ovary or vagina
- Psychosexual counselling, guidance and rehabilitation

UROLOGIC ONCOLOGY

Cancers of kidney, prostate, bladder, testes, and penis are rising in India. This department offers surgical treatment for these cancers.

UROLOGIC ONCOLOGY: Level 3, Tower, 8 am - 8 pm

SERVICES

- Robotic surgery for prostate, renal and bladder cancers
- Advanced renal cancer surgery like partial nephrectomy (nephron sparing surgery)- open or Robotic (key hole) surgery
- Advanced bladder cancer surgery like cystectomy with urinary diversion- ileal conduit or neobladder
- Penile and testicular cancer surgery
- Flexible cystoscopy (day care procedure) to facilitate easy follow up for bladder cancer patients
- Narrow Band Imaging (NBI) Cystoscopy to diagnose bladder cancers in early stage
- LASER surgery for resecting bladder cancers in patients on blood thinner medications
- Transrectal ultrasound guided prostate biopsy to diagnose prostate cancers
- Highly sophisticated imaging services for evaluating cancer of prostate (multiparametric MRI), kidney (CT angiography) (supported by the Radiology department)
- Multidisciplinary team (MDT) approach in managing urological cancers- all complex urologic cancer cases are discussed with allied specialties such as radiation oncology, medical oncology, pathology and radiology departments. This ensures a collaborative decision and facilitates customized approach towards cancer treatment

PAEDIATRIC ONCOLOGY

This department provides the state-of-the-art treatment for childhood cancers.

PAEDIATRIC ONCOLOGY: Level 1, Heritage, 8 am - 8 pm

Childhood Cancers

In India, there are almost 40,000 new cases of childhood cancer annually, of which only 20-30% receive correct and timely treatment. Newer advances and better supportive care have improved the outcome of this once-deadly disease, leading to much better survival rate. Some cancers like Hodgkin's lymphoma, Wilms' tumour and early stage retinoblastoma have even higher survival rate, if treated properly.

At Sir H. N. Reliance Foundation Hospital, besides a carefully selected medical and support team, infrastructure has been customised to the needs of cancer patients to eliminate infection, alleviate pain & maximise comfort. Most stringent institutional protocols are used; and personalised educational sessions are held for patients and care givers to sensitize them to the side effects and course of treatment.

SERVICES

- All types of childhood blood cancers / lymphomas including high-risk and relapsed. We monitor the treatment response by minimal residual disease, which helps in modifying treatment and decreasing relapse/recurrent rates
- All types of childhood solid tumours including difficult and rare tumours: Wilms' tumour, Rhabdomyosarcoma, Liver tumours, Neuroblastoma, Brain tumours
- All types of Bone cancers/Soft tissue sarcomas: Osteosarcoma, Ewing's sarcoma, Spindle cell sarcoma

Our After Completion Therapy clinic serves the needs of those patients who have completed their treatment by helping them to cope better and improve the quality of their lives. We also offer palliative care and have a dedicated Pain team, as well as social worker services. We have tied up with the leading international oncology centres to ensure our treatment protocols match the best international standards.

ORTHOPAEDIC ONCOLOGY

This department offers treatment for tumours of the musculoskeletal system which include tumours of the bones, muscles, joints, other connective tissue and also that of the peripheral nervous system. This encompasses a huge number of different types of benign and malignant tumours.

ORTHOPAEDIC ONCOLOGY: Level 1, Tower, 8 am - 8 pm

SERVICES

- Limb and Joint Salvage Surgery for extremity bone tumours using a range of optimal options including different types of megaprosthesis, allografts, autografts, ECRT, etc.
- Extended curettage and reconstruction procedures for aggressive benign bone tumours like Giant Cell Tumours, etc.
- Limb salvage surgeries in soft tissue sarcomas of the extremities
- Limb salvage in pelvic bone tumours
- Complex and high level limb amputation surgeries for advanced sarcomas
- Surgery for sacral and spine tumours
- Specialised surgical procedures for paediatric musculoskeletal tumour patients to account for their growing limbs
- Minimally invasive needle biopsies
- Radiofrequency ablation of specific bone tumours like osteoid osteoma etc.
- Prophylactic and optimal palliative surgical procedures and advice for patients with bone metastases
- Major skin tumours of the extremities
- Extensive counseling of patient and family regarding their condition

BREAST CANCER

This department offers cutting-edge, international standard care for the most common cancer afflicting urban women in India, and women worldwide. From an active preventive service and early diagnosis, to effective treatment for all stages and rehabilitation and palliation, we provide effective solutions for all types of breast cancer. All patients have access to the immediate benefits of our multi-disciplinary tumour boards that comprise surgeons, medical oncologists, radiation oncologists, radiologists, pathologists, and specialised nurses.

BREAST CANCER: Level 3, Tower, 8 am - 8 pm

SERVICES

- Prevention and Early Diagnosis:
 - Executive health check
 - Outreach programme
 - Screening services to educate women about the advantages of early diagnosis and timely treatment
 - Screening mammography
 - Stereotactic biopsy
 - Surveillance for 'at-risk' women
- Effective Treatment:
 - Breast conservation procedures
 - Oncoplastic resections
 - Sentinel node biopsy
 - Selective nodal sampling
 - Standard mastectomy
 - Breast reconstruction: Ranging from implants to pedicled flaps, to microvascular free tissue transfer
 - Medical oncology services assisted by a fully-equipped, chemo day-care facility
 - True-beam radiation machine for delivery of the best treatment, minimising adverse effects

- Rehabilitation and Support:
 - Management of lymphedema
 - Mobilisation
 - Provision of breast prostheses
 - Psychosexual counselling

MEDICAL ONCOLOGY

This department offers comprehensive oncology services, including diagnosis and treatment for solid tumours and haematological malignancies. We have HEPA-filtered rooms, a flow cytometer, molecular labs, and neutropenia support facilities. We have a highly skilled set of oncology nurses who are trained to handle chemotherapy drugs.

The unit consists of open, private and isolation bays; and chemotherapy procedures are performed as per scheduled appointments. A satellite pharmacy on the same floor compounds infusions required for treatments.

MEDICAL ONCOLOGY: Level 3, Tower, 8 am - 8 pm

SERVICES

- Dedicated adult and paediatric medical oncology services
- Chemotherapy for solid tumours
- Chemotherapy for haematological malignancies
- Personalised targeted therapy for various cancers
- Hyperthermic Intraperitoneal Chemotherapy (HIPEC)
- Hyperthermic Intrathoracic Chemotherapy (HITHoC)
- Trans-Arterial Chemo-Embolisation (TACE)
- Intra-arterial chemotherapy

RADIATION ONCOLOGY

This department is a frontrunner in the field of cancer treatment, research and education. With cutting-edge technology and clinical expertise encompassing the full spectrum of oncology services, we are committed to offering the best treatment to all patients.

We have the country's first True beam STX Linac with 6 D couch and EDGE SRS package, capable of delivering high-precision radiotherapy treatments like SRS, SCRT, SBRT, IGRT, IMRT, Rapid arc, etc. We are one of the few centres in the country with the expertise and capability for 4D-respiratory gating based radiotherapy treatment and Calypso systems for real time motion tracking. We also offer brachytherapy for all sites with the latest 24 channel remote loading HDR machine and 3D planning system (Gamma MedplusIX).

RADIATION ONCOLOGY: Level 3, Tower, 8 am - 8 pm

SERVICES

- Stereotactic Radio Surgery (SRS)
- Short-course Radiation Therapy (SCRT)
- Stereotactic Body Radio Therapy (SBRT)
- Image-guided Radiation Therapy (IGRT)
- Intensity Modulated Radiation Therapy (IMRT)
- Rapid arc
- Brachytherapy

