








LIVES IN INDIA

HOPE LIVES IN





-  HCG Center of Excellence
-  HCG Hospitals
-  HCG Cancer Center
-  Milann The Fertility Center
-  Triesta Sciences



## Chairman's Message

At HCG, it has been our constant endeavor to redefine the future of healthcare. Through specializing across infertility, tertiary care, cancer care and advanced diagnosis. About 500 specialists work with HCG to make this happen at Milann – The Fertility Center, HCG – The Specialists in Cancer Care, HCG Hospitals – The Tertiary Healthcare Provider, and Triesta Sciences –The Reference Laboratory.

We have been redefining the future of healthcare in India by designing, building and managing healthcare centres with a steadfast vision of bringing core clinical services under one roof. Our intent is to help patients achieve a longer and better life. With a network of 23 cancer centres, 6 infertility centres and 2 tertiary care centres across India, HCG makes advanced cancer care accessible to millions of people, who would otherwise have to undergo temporary relocation or travel long distances for treatment.

While transforming the healthcare environment of the country, by bringing together quality, expertise and knowledge, HCG is also extending its footprint to international markets. We have established cancer centres in Tanzania and Kenya and we hope to expand further to other countries in the coming months.

At HCG, we view each centre as a model of excellence – a place where physicians and employees can achieve

professional fulfilment and breakthroughs in patient-care. We are committed to create an environment that fosters both professional and personal achievements of everyone in the organisation. By sharing the achievements of each centre across the network, the knowledge of every physician, employee and hospital are further improved. Patients are the ultimate beneficiaries of these achievements and every accomplishment brings us one step closer to our goal.

Continuing with our growing presence in India and Africa, it gives me immense pleasure to announce the launch of our new comprehensive cancer centres in Baroda, Vizag and Gulbarga. Our focus would be to provide our patients with quality care and organ preservation along with a multi-disciplinary approach in managing oncology cases. In our journey to redefine healthcare, we have achieved many accolades and awards – Frost & Sullivan Oncology Leader of the Year, report in the Harvard Business Review, CII India Awards , Golden Peacock Award, Dubai Healthcare Awards and HOSMAC-People Strong's Best Place to Work in Healthcare. These milestones are testimony to the excellent team that we are fortunate to have at HCG.

I encourage you to learn more about HCG and be a part of our global dream to create accessible healthcare centres in partnership with specialist .

**- Dr. Ajaikumar**

INDIA  
A



OF HOPE



### **Healthcare In India - A bright future**

The Indian healthcare market today is worth US\$ 100 billion and is expected to grow manifold in the years to come. Comprising of hospitals, medical devices, clinical trials, outsourcing, telemedicine, medical tourism, health insurance and medical equipment, the healthcare industry has boomed into one of the country's largest sectors - both in terms of revenue and employment.

HCG - Healthcare Global Enterprises Ltd., is a healthcare organization headquartered in Bangalore with a combined pool of 500 specialists across various domains. Mainly focusing and specializing in infertility, tertiary care, cancer care and advanced diagnosis.

Under Healthcare Global Enterprises, there are 4 different entities - each one uniquely positioned to take care of the healthcare needs of patients across the globe.

Milann, the Fertility Center, takes care of all infertility related problems in males and females with its network of 6 infertility centers in India.

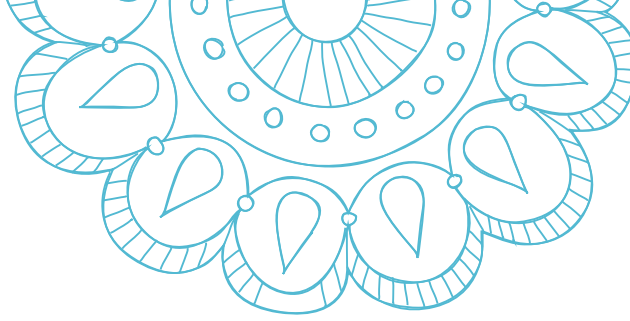
HCG, the specialists in cancer care, is India's largest cancer care provider with a group of 275 oncologist across 23 cancer centers, having to its credit many accomplishments from being an oncology leader of the year to Asia's most sought after healthcare brand and the best place to work in healthcare in India.

HCG Hospitals, the tertiary healthcare entity, provides tertiary care treatment options for cardiac, bone and joint, brain and spine, neuro and nephro and digestive care. Located across the state of Gujarat in Ahmedabad and Bhavnagar, HCG hospitals provide solutions to patients across the globe who seek advanced treatment options.

To support all the diagnostic parameters and protocols, to ensure precision and enable decision-making - which, provides patients the optimal results from medical treatment, the enterprise is supported by Triesta Sciences. This reference laboratory, which has grown to become a network of advanced laboratory services across India, also has a research and development arm.

HCG

**HOSPITALS**



HCG Hospitals, established in the year 2007 is a state-of-the-art healthcare facility located in the state of Gujarat, in Ahmedabad and Bhavnagar with NABH accreditation. Excellent nursing care, well-equipped operation theatres, and a dedicated team of doctors, are its hallmark. It provides multi-specialty healthcare services and comprehensive cancer treatment of international standards, and has on its panel, eminent consultants from respective fields.

The expertise of the specialists combined with advanced technology, and the most modern, sophisticated equipment and infrastructure enable HCG Hospitals to offer world-class diagnostic, medical and surgical support to patients, not only from Gujarat, but also from various parts of the world.

### **Cardiac Care**

#### **Services**

Interventional Cardiology & Vascular Interventions

- All Forms of Coronary, Carotid, Renal & Peripheral Angiographies, Angioplasties and Stenting
- Balloon Mitral, Aortic and Pulmonary Valvuloplasty
- Rotational and Directional Atherectomy
- Thrombectomies
- Pacemakers, CRT & AICD Insertion

- Pediatric Cardiovascular Services
- Cardiac Pacing and Electrophysiology

### **Cardiac Surgeries**

- Coronary Artery Bypass Grafting Surgery, Valvular Heart Surgery, Valve Surgery, Aortic Aneurysm Surgery, Heart Failure Surgery, Thoracic Surgery, Vascular Surgery etc.
- Our team has largest experience of performing Aortic surgeries, Ascending and Arch Aneurysm & Acute Aortic Dissections in Gujarat
- Minimally invasive ASD, MVR, AVR
- All types of REDO CABGs
- MICAS (Minimally Invasive Coronary Artery Surgery) Technology

### **Bone & Joint Care**

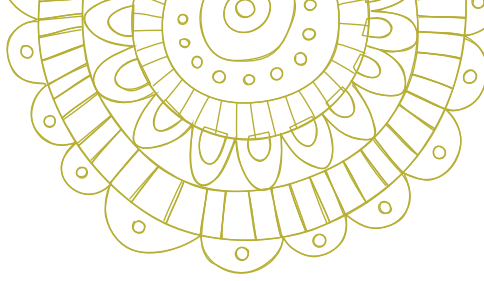
Department of Bone & Joint Care is one of the center of excellence backed by the experience and knowledge of renowned orthopedic doctors & support staff.

The department routinely does Joint Replacements, Revision Hip, Knee & Joint surgeries, Keyhole Surgery, Pediatric Orthopedics, Limb Lengthening, Bone Tumors and High Tibial Corrective Osteotomies, all types of Spine Surgeries, Arthroscopy & Sports Surgeries.



Robotic Surgery System





### Services

- Computerized Navigated (Ortho Pilot) Knee Replacement Surgeries.
  - Total Shoulder Replacement
  - Arthroscopy (Diagnostic & Therapeutic) of Knee & Shoulder
  - Cervical Corpectomy for Cervical Myelopathy
  - Anterior Cervical Disectomy and Fusion for Cervical Disc problems
  - Stabilization of fractures of Dorsal, Lumbar and Cervical region.
  - Spine with Neurodeficit
  - Major Spinal Surgery for the Lumbar Disc Prolapse and Spinal Fusion for Spondylolisthesis
  - High Tibial corrective Osteotomies for early Degenerative Osteo Arthritis
  - Closed Inter-Locking nails - for long bone fractures.
- External fixation of compound fractures.

### Brain & Spine Care

The Department of Brain & Spine Care has a dedicated team of skilled and experienced Neuro physicians and Neurosurgeons with a team of well-supported staff.

Our specialists treat the following conditions:

- Micro neurosurgeries for brain tumors
- Surgery for craniosynostosis
- Surgery for Trigeminal Neuralgia

- Vascular surgery for aneurysm and AVMs
- Endovascular coiling for aneurysm
- Spinal tumor surgery
- Endoscopic pituitary surgery
- Degenerative spine surgery including cervical & lumbar
- Shunt surgery for Hydrocephalus
- Stereotactic Surgery

### Digestive Care

The Department of Digestive Care is blessed with the expertise and technology in the field of Gastroenterology & GI Laparoscopic surgery. The department provides the best medical and surgical services which is efficient enough to deal with the diseases related to GI track, arising from esophagus, stomach, small and big intestine, liver, gall bladder, pancreas and bile duct.

### Services

It caters to all types of Major Gastroenterological procedures & GI Surgeries, such as endoscopy, colonoscopy, PEG, esophagus stenting, banding for varices, CBD Exploration, Oesophagectomy, Gastrectomy, Colectomy, Cholecystotomy, Intestinal Resection, Hepatic Jejunostomy, Total Proto Colectomy, Ileal Pouch and Anastomosis for Ulcerative Colitis, Pancreatic Resections,



**Cath Lab**

Whipple's Operation, Shunt & De-Vascularization  
Surgeries for Portal Hypertension, Liver Resection,  
Surgeries for Biliary Strictures, Surgeries for acute &  
chronic Pancreatitis and Cancer Pancreas.

The department also offers Laparoscopic Anti-reflux  
Surgeries for Hiatus Hernia, Lap. Adhesiolysis, Lap.  
Inguinal Hernia Repair, Lap. Incisional Hernia Repair,  
Lap. Diaphragmatic Hernia Repair, Lap. Rectopaxy for  
Rectal Prolapse, Lap. Vagotomy, Lap. Cardiomyotomy for  
Achalasia Cardia, Lap. Assisted Colectomy, Lap.  
Assisted total Enteroscopy in addition to routine  
diagnostic Laparoscopy & Biopsy.

### **Uro & Nephro Care**

The Uro & Nephro Department is a comprehensive  
department equipped to manage all urological disorders  
involving the kidney, ureter, bladder, prostate and  
genitals of all age groups.

### **Services**

- RIRS (Retrograde Intra Renal Surgery)
- RPLND (Retro Peritoneal Lymph Node Dissection)
- Radical Prostatectomy
- Bladder Cancer
- WILMS Tumor
- PCNL (Percutaneous Nephrolithotomy)



HOPE FOR





## Welcome to Milann

Milann has helped over 70,000 couples turn hope into happiness. Our customized fertility treatments and expert care have resulted in a success rate that's amongst the best in the world, and cemented our reputation as one of India's most trusted fertility clinics.

Our medical experts and personnel are highly qualified and trained in the fields of Assisted Reproductive Technology (ART), Reproductive Endocrinology, Ovarian Biology, Reproductive Immunology and Genetics.

## Services

- Female Fertility Profile
- Hormonal Profile
- HSG - Hysterosalpingogram
- Diagnostic And Operative Laparoscopy, Hysteroscopy
- Ultrasound - 2D /3D And4D Imaging; Color Doppler
- Male Fertility Profile

- Semen Analysis, Culture And Sensitivity
- Sperm Function Tests
- Sexual Dysfunction - Evaluation And Treatment
- Electro Ejaculation
- Assisted Reproductive Techniques
- Intra Uterine Insemination (IUI)
- In Vitro Fertilisation- Embryo Transfer (IVF-ET)
- Intra Cytoplasmic Sperm Injection (ICSI)
- Surgical Extraction I Aspiration Of Sperms For ICSI (PESAITESA)
- Laser Assisted Hatching
- Blastocyst Transfer
- Ancillary Services
- Donor Programmes - Egg, Sperm And Embryo
- Freezing - Egg, Sperm And Embryo



The Specialist  
in Cancer Care

HOPE FOR

CANCER CARE

The word 'CANCER CARE' is rendered in large, bold, black-outlined letters. Each letter is filled with a different image: 'C' shows an elephant; 'A' is split into a goddess and a tiger; 'N' shows an elderly man with a white beard and pink turban; 'C' shows two women in yellow; 'E' shows a horse; 'R' shows a temple by water. Below the word 'CANCER' is the word 'CARE' in a smaller, black, sans-serif font.



HCG, the specialist in cancer care has been at the forefront in fighting cancer. Today, with 23 centres, it's India's largest cancer care provider. The hospitals are equipped with the finest staff - a group of 275 oncologists, who work together in the fight against cancer.

### **Medical Oncology**

HCG's medical oncology speciality team works towards preventing, diagnosing and treating cancer by offering the highest levels of treatment protocols and customised multi-modality therapies.

In addition to chemotherapy, the department also runs protocols and specialises in out-patient and ambulatory chemotherapy.

Our medical oncology service includes treatments for solid tumours, specialized outpatient chemotherapy with chemoports and hematological neoplasm in adults and children.

### **Radiation Oncology**

Radiation therapy uses high-energy particles or waves like x-rays, gamma rays, electron beams or protons, to destroy or damage cancer cells.

It is often used in the treatment of cancer, often along with chemotherapy. The drugs used in chemotherapy are

known to weaken cancer cells. As a result, when the patient undergoes radiation therapy, there are higher chances of the rays killing the cancer cells. We offer a wide range of internal and external radiation therapy options that include 3D-CRT, IMRT and Stereotactic Radiosurgery, and Brachytherapy to name a few.

We are on a continuous pursuit to add new and more advanced radiation technologies in our arsenal. In the last few years, we have become one of the few cancer centres in India to offer the following therapies:

**CyberKnife™:** A non-invasive alternative to surgery for the treatment of tumors anywhere in the body, including the prostate, lung, brain, spine, liver, pancreas and kidney. The treatment delivers beams of high dose radiation to tumors with extreme accuracy and offers new hope to patients worldwide.

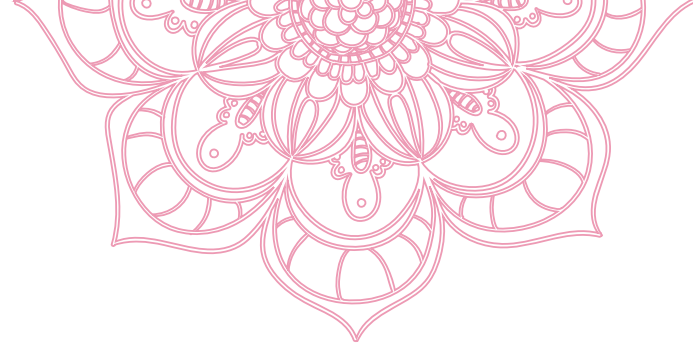
**Tomotherapy™ H:** A state-of-the-art image guided and intensity modulated radiotherapy technique that combines the benefits of CT scan and high-energy radiotherapy machine. Tomotherapy H allows the delivery of high dose radiation to the tumor, while sparing the nearby normal structures and thereby reducing the side effects of the treatment.





**TomoTherapy H – For the first time in India**





**TrueBeam™:** Designed from the ground up to treat moving targets with advanced speed and accuracy, the TrueBeam platform is a fully-integrated system for image-guided radiotherapy and radiosurgery.

**Agility™ with Synergy™:** Enables extremely accurate, image guided adaptive radiotherapy to be delivered safely and in a short period of time. This makes it possible to irradiate any site in the body with great precision. So much so that even non-cancerous conditions like meningioma, trigeminal neuralgia and acoustic neuroma can be treated effectively.

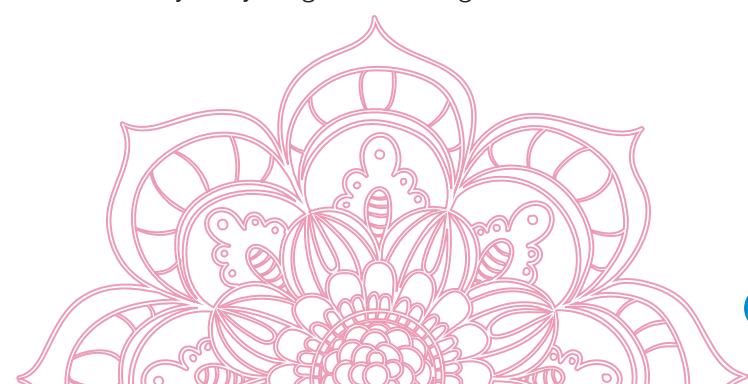
### **Surgical Oncology**

The Surgical Oncology team has been moving towards a more radical approach towards organ preservation, shorter hospital stay, less post-operative morbidity and minimally invasive and robotic surgeries. The intent of surgery can be to cure, manage or down stage cancer or symptom control. This is usually the primary treatment of choice in many early stage solid malignancies.

- General Onco Surgeries
- Gynaec Onco Surgeries
- Breast Surgeries
- Uro Oncology
- Ortho Oncology
- Oral Onco Surgeries
- Head And Neck Surgeries
- Hepatopancreatobillar Surgery
- Liver Transplantation

### **Robotic Surgery:**

Robotic surgery or robot-assisted surgery allows doctors to perform many types of complex procedures with more precision, flexibility and control than it is possible with conventional techniques. Robotic surgery is usually associated with minimally invasive surgery - procedures performed through tiny incisions. It is also sometimes used in certain traditional open surgical procedures.





**Artiste CT on Rails-First installation in Asia**

#### ARTISTE™:

The ARTISTE™ linear accelerator can be used for different treatment approaches, including 3D conformal radiation therapy, Intensity-Modulated Radiation Therapy (IMRT), Stereotactic Radiosurgery (SRS) and Stereotactic Body Radiotherapy (SBRT). The ARTISTE™ is ideal for high-precision radiation therapy and uses multiple imaging modalities. It is suited for Image-Guided Radiation Therapy or IGRT to improve targeting of the radiation beam and reduce risk to nearby tissue.

#### BRACHYTHERAPY:

Brachytherapy is a form of radiotherapy where a radiation source is placed inside or next to the area requiring treatment. Brachytherapy is commonly used as an effective treatment for cervical, prostate, breast and skin cancer. It can also be used to treat tumours in many other body sites. Brachytherapy can be used alone or in combination with other therapies such as surgery, External Beam Radiotherapy (EBRT) and chemotherapy.

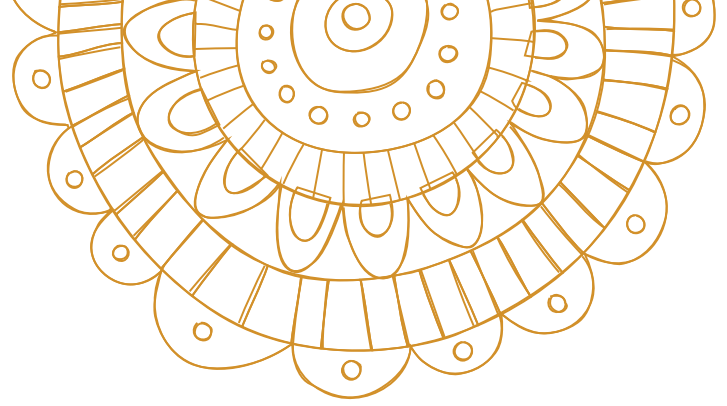
#### HYPERTHERMIA:

Hyperthermia therapy is a type of medical treatment in which body tissue is exposed to slightly higher temperatures to damage and kill cancer cells, or to make cancer cells more sensitive to the effects of radiation and certain anti-cancer drugs. When combined with radiation therapy, it is called thermoradiotherapy. Whole-body hyperthermia has also been found to be helpful for depression.





Cyber Knife – Robotic Radio Surgery



### **Da Vinci SI:**

The da Vinci Surgical System enables surgeons to perform delicate and complex operations through a few small incisions. The da Vinci System consists of several key components, including: an ergonomically designed console where the surgeon sits while operating, a patient-side cart where the patient is positioned during surgery, interactive robotic arms, a 3DHD vision system, and proprietary EndoWrist instruments.

da Vinci is powered by robotic technology that allows the surgeon's hand movements to be scaled, filtered and translated into precise movements of the EndoWrist instruments working inside the patient's body.

### **Advantages**

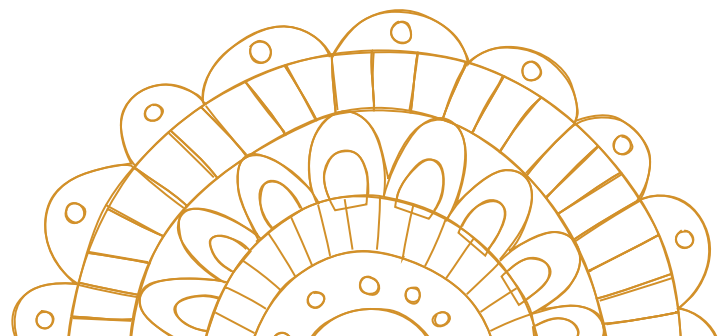
- Minimal blood loss
- Minimal pain
- Minimal scarring
- Minimal complications
- Shorter hospital stay
- Faster recovery and return to normal life

### **Imaging & Diagnostics**

The best way to fight cancer is early diagnosis with improved accuracy. We believe in diagnostic accuracy such as using a digital mammogram/ MRI instead of conventional mammograms or ultrasound. These technologies have helped identify suspicious lesions more accurately than their historical counterparts.

In addition to this, we also use image guided biopsies that help reduce false negative rates. Usage of PET CT compared to conventional CT/Ultrasound of abdomen and pelvis and bone scan has helped in accurately identifying the stage of the disease and in facilitating the right treatment.

Use of tumour markers such as Prostate specific antigen, CA19-9, CEA, AFP and other immunohistochemical markers have helped us arrive at an accurate pathological diagnosis.



## **Bone Marrow Transplant – Autologous And Halogenic**

The Bone Marrow Transplant Department was started in 2011 and has already successfully completed over 200 transplants and achieved many more feats:

- Primary Refractory Disease, a disease which could not be successfully treated using standard lines of therapy, has been treated successfully with Autologous as well as Allogeneic high-risk transplants.
- We have conducted successful Haplo-identical and mismatched transplants
- We have gained unmatched specialization in Reduced Intensity Conditioning Transplants (Mini-transplants)
- We have successfully conducted a bloodless transplant on a patient whose faith did not allow him any blood transfusions.
- We have developed our expertise in regenerative medicine, which includes Stem Cell Therapeutics (StemPeutics), Stem Cell Therapy for refractory or treatment resistant cases of multiple Sclerosis, Traumatic Cord Paraplegia and Transverse Myelitis





## **Prostate Cancer**

Prostate cancer begins when cells in the prostate gland start to grow uncontrollably. Some prostate cancers can grow and spread quickly, but most grow slowly. In fact, studies show that many older men (and even some younger men) who died of other causes also had prostate cancer that never affected them during their lives.

**Traditional Diagnosis available:** Ultrasound; MRI; PSA test

**Diagnosis at HCG :** PSMA PET; Trucut Biopsy; MRI; Cystoscopy; Genomic testing; Choline C-11 PET

**Traditional treatment options:** TURP surgery; Orchidectomy vs local surgery; local radiation.

Treatment options available at HCG: Cyberknife; Hyperthermia; PSMA therapy (Leutetium); Hormone therapy

## **Breast Cancer**

Breast cancer is cancer that develops from breast tissue. Risk factors for developing breast cancer include: female sex, obesity, lack of physical exercise, drinking alcohol, hormone replacement therapy during menopause, ionizing radiation, early age at first menstruation, having children late or not at all, older age, and family history.

According to a study published in the Harvard Business Review, the five year survival rate at HCG for breast

cancer stands at 86.9% as compared to the US average of 89.2%.

**Traditional diagnostic methods:** Mammogram; Self examination; MRI, Biopsy .

**Diagnosis at HCG:** PET CT, Tru Cut biopsy; US Guided Biopsy; Lymphnode Excisional Biopsy; **Tumour Marker Test:** ERPR and Her 2 Testing; Ki 67 Tests; Oncoprinting, Genomic Testing; Choline C-11 PET

**Traditional treatment options:** Surgery;

## **Chemotherapy and Radiation.**

**Treatment options at HCG:** Breast Conservation Surgery; Radiation: IGRT/IMRT; Partial Breast Irradiation With Brachytherapy .

## **Lymphomas & Leukamias**

Leukaemia and lymphoma, like other cancers, develop when a group of cells in the body starts to grow in a way that is out of control. The cells might be dividing too quickly or surviving longer than their normal lifespan, so they build up in large numbers. The difference between leukaemia and lymphoma is that leukaemia is a cancer of the blood whereas lymphoma is a cancer of the lymphatic system.

**Diseases:** AML; ALL; NHL; Hodgkin's Lymphoma; All Pediatric Cases Of Leukemias And Lymphomas  
**Traditional Diagnosis :** Biopsy; Xray, CT, Bone Marrow Aspiration; Bone Marrow Biopsy; Liver Function Tests



PET CT



**Diagnosis At HCG:** PET CT; MRI; Bone Marrow Biopsy; HLA Typing;

**Treatment Options At HCG:** Induction & Consolidation Chemotherapy; Allogenic BMT; Autologous BMT; Mini Allogenic BMT; Hemopoetic Stem Cell Transplant; Pediatric

### **Cervical Cancer**

Cervical cancer is a type of cancer that develops in a woman's cervix (the entrance to the womb from the vagina). Over the course of many years, the cells lining the surface of the cervix undergo a series of changes. In rare cases, these precancerous cells can become cancerous. However, cell changes in the cervix can be detected at a very early stage and treatment can reduce the risk of cervical cancer developing.

**Traditional Diagnosis:** Biopsy; CT

**Additional Diagnosis At HCG:** PET CT; MRI; Laproscopic Retroperitoneal Lymph Node Biopsy; Pap Smear; Genomic Study; Onco- Printing;

**Treatment Options At HCG:** HIPEC; Hysterectomy; Brachytherapy

### **Brain Tumours**

A brain tumour is a growth of cells in the brain that multiplies in an abnormal, uncontrollable way. It can either be cancerous (malignant) or non-cancerous (benign). Brain tumours are graded from 1 to 4 according to their behaviour, such as how fast they grow and how likely they are to grow back after treatment. Brain tumours can affect people of any age, including children, although they tend to be more common in older adults.

Diseases: Paediatric Brain Tumours; Gliomas; Meningiomas; Butterfly Tumours; Neuromas; Schwannomas; Adenomas; Cordomas; Germ Cell Tumours ; Blastomas Etc.

**Traditional Diagnosis:** CT Scan; MRI; Biopsy; PET.

**Diagnosis At HCG:** DOPA PET; DOTA PET; Methionine Scan; USG Trucut Biopsy

**Treatment Options:** Advanced Cranial Surgeries; Cyberknife; Radiation With CK Boost

### **Bone Cancers**

Primary bone cancer is a rare type of cancer that begins in the bones. This is a separate condition from secondary bone cancer, which is cancer that spreads to the bones after developing in another part of the body. Young people can be affected because the rapid growth spurts that occur during puberty may make bone tumours develop.

**Traditional Diagnosis:** CT Scan; Xrays; Biopsy

**Diagnosis At HCG:** Bone Scan; PET CT; MRI

**Treatment Options At HCG:** Salvage Surgeries; Radiation; Chemotherapy; Advanced Prosthetic Surgeries.

### **Thyroid Cancers**

Thyroid cancer is a rare type of cancer that affects the thyroid gland, a small gland at the base of the neck.

The most common symptom of cancer of the thyroid is a painless lump or swelling that develops in the neck. It's most common in people aged 35 to 39 years and in those aged 70 years or over.

Women are two to three times more likely to





develop thyroid cancer than men. It's unclear why this is, but it may be a result of the hormonal changes associated with the female reproductive system.

**Traditional Diagnosis:** Biopsy; Ultrasound, CT,

**Diagnosis At HCG:** PET; MRI; DOTA SCAN:

DOTANOC Scan; Radio-Iodine Scans.

**Treatment Options At HCG:** DOTATATE Therapy,  
Surgery - Thyroidectomy

### **Lung Cancers**

Lung cancer is one of the most common and serious types of cancer. Lung cancer doesn't usually cause noticeable symptoms until it spreads through the lungs or into other parts of the body. This means the outlook for the condition isn't as good as many other types of cancer. Lung cancer mainly affects older people. It's rare in people younger than 40, and the rates of lung cancer rise sharply with age. Lung cancer is most commonly diagnosed in people aged 70-74.

Although people who have never smoked can develop lung cancer, smoking is the main cause (accounting for over 85% of cases).

**Traditional Diagnosis:** XRay; CT Scan; Biopsy

**Diagnosis At HCG:** PET CT; Tumour Markers Kras, Ki 67; CT Guided Biopsy; US Guided Trucut Biopsy

**Treatment Options At HCG:** Surgery ( Lobectomy);  
Radiation: IGRT/ IMRT +/- CK Boost; Chemotherapy

### **Liver Cancers**

The liver can be affected by primary liver cancer, which arises in the liver, or by cancer, which forms in other parts of the body and then spreads to the liver. Most liver cancer is secondary or metastatic. Primary liver cancer, which starts in the liver, accounts for up to half of all cancers in some undeveloped countries. This is mainly due to the prevalence of hepatitis, caused by contagious viruses, that predisposes a person to liver cancer.

### **Liver Transplant**

Liver transplantation is the replacement of a diseased liver with a healthy liver from another person. The most commonly used technique is orthotopic transplantation, in which the native liver is removed and replaced by the donor organ in the same anatomic location as the original liver. Liver transplantation is the only curative treatment available for patients with end-stage liver diseases, early stage liver cancer and acute liver failure.

**Traditional diagnosis:** Biopsy; U/S; Laparoscopy; CT scan; Xray

**Diagnosis at HCG:** PET CT; US Guided Biopsy; Laproscopic Biopsy; MRI; AFP Testing

**Traditional treatment options:** Liver Resection; Radiation; Chemotherapy; Surgery


**Treatment options available at HCG:** Lipidol Therapy; Cyberknife; Liver Transplants; Hyperthermia.



THE



OF HOPE



Triesta Sciences Reference Lab at Bangalore focuses on providing quality reports in a timely manner.

**Quality:**

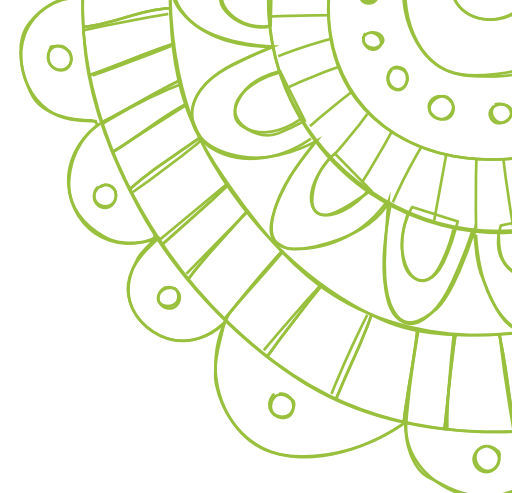
Triesta Sciences is among the few Indian laboratories that meet the international standards of quality and is accredited by reputed global agencies like the College of American Pathologists (CAP) as well as NABL.

Our stringent quality control parameters coupled with intelligent IT enabled systems ensure the consistent reproducibility of results and reports. Our internal Quality Parameters include not only the systems and instruments but also well trained and responsible staff to execute the entire processing in highly calibrated, sophisticated analyzers.

**Technologies:**

Triesta Sciences has made the right use of the conventional assay platforms and modern advanced technologies for diagnosis of an array of diseases with superior quality and accuracy to help correct diagnosis for our customers.

- Chemiluminescence Immuno Assay (CLIA)
- Enzyme Linked Immuno-Sorbent Assay (ELISA)
- Electrophoresis
- Flow Cytometry
- Nephelometry
- Photometry
- Karyotyping
- Fluorescent in Situ Hybridization (FISH)
- Polymerase Chain Reaction (PCR)
- Quantitative Polymerase Chain Reaction (QPCR)
- Next Generation Sequencing (NGS)







## INTERNATIONAL PRESENCE

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