

Scope of Services

Medical Oncology and Haematology

- Chemotherapy
- Immunotherapy
- Bone Marrow Transplant
- Paediatric Oncology
- Geriatric Oncology
- Onco Critical Care

Surgical Oncology

- Head and Neck
- Breast
- GI, Lung and Thoracic
- Cervical and Gynaecology
- Prostate and Genito-urinary
- Colorectal
- Peritoneal
- Brain, Spine and Bone
- Liver & Pancreas

Plastic and Reconstructive Surgeries

Radiation Oncology

- Radiation Therapy

Nuclear Medicine

- PET-CT
- SPECT
- High Dose Radionuclide Therapy

Pain and Palliative Care

Anaesthesiology

Dr. Rajendra Bagwade
Dr. Yogesh Tank
Dr. Dharmendrasinh Chavda
Dr. Jignesh Mori

Cardiology

Dr. Ketan Vekariya

Internal Medicine

Dr. Rushikesh Shah



ZYDUS CANCER CENTRE

Zydus Hospitals Road, S.G. Highway, Thaltej, Ahmedabad-380 054, Gujarat.
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Medical Oncology & Haematology

Medical Oncology and Haematology

Dr. Pankaj Shah
Dr. Dileep Srinivasan
Dr. Mithun Shah
Dr. Nahush Tahiliani

Bone Marrow Transplant and Haematology

Dr. Nidhi Jain

Onco Critical Care

Dr. Mrugank Bhavsar

Surgical Oncology

Head & Neck

Dr. Mahesh H Patel
Dr. Siddharth Shah

GI, Lung and Thoracic

Dr. Mahesh D Patel

GI, Peritoneal, Gynaecology

Dr. Aditi Bhatt

Breast Cancer

Dr. Priyanka Chiripal

Uro Oncology

Dr. Mukesh Patel
Dr. Kamlesh Patel
Dr. Kaustubh Patel

Neuro Oncology

Dr. Dipak Patel
Dr. Kalpesh Shah

Spine Cancer

Dr. Hitesh Modi

Ortho Onco

Dr. Jaymin Shah

Plastic and Reconstructive Surgery

Dr. Raghuvir Solanki
Dr. Jatinkumar Bhojani

Radiation Oncology

Dr. Sandeep Jain

Nuclear Medicine

Dr. Sunny Gandhi

Pain Management

Dr. Milan Mehta

Radiology

Dr. Ameet Panchal
Dr. Shweta Thakkar

COMPREHENSIVE CANCER CARE





“ IT'S THE SMILE OF
GOOD HEALTH THAT
WE AIM FOR, AT ZYDUS
HOSPITALS. ”

Today in India, there's a large gap that exists between the demand for quality healthcare and its delivery. It is to bridge this gap that Zydus Hospitals, a chain of multi-specialty hospitals, has been set-up. Our aim is to provide complete end-to-end healthcare solutions under one roof. With world-class infrastructure and superior treatment we hope to reach out to people across Gujarat with top-notch quality care. This is also

visually depicted in our logo which illustrates that our doors are always open to alleviate your suffering and win the smile of good health with our medical care and service.

Quality and excellence have always been the hallmarks of the Zydus Group; an innovation-led, global healthcare provider and one of the top four pharma companies in India. The Company was founded by my father, Late Mr. Ramanbhai B. Patel in 1952 who firmly believed in the power of quality and excellence.

At Zydus, we have been firmly rooted on this path of excellence. Our core values are also about being innovative in all that we do and giving our best in all that we undertake. This also underlines the core belief with which we, at Zydus Hospitals, work and extend our services to you. We are here to extend the best possible healthcare facilities and solutions and at all times, to meet your trust with confidence.

Just give our team a call and they will offer you personalised care and services at every step.

Pankaj R. Patel



Quick Cancer Facts

- ✚ Cancer is potentially curable if diagnosed early and treated appropriately
- ✚ Never ignore or fear signs and symptoms of cancer, contact doctor immediately
- ✚ Diagnosis of cancer may require blood tests, biopsy and CT scan
- ✚ Treatment of cancer can be done by surgery, radiotherapy and chemotherapy. Each type of cancer has a specific treatment
- ✚ Treatment of cancer should be taken from qualified and trained doctors only
- ✚ There may be many difficulties during and after treatment but, always have faith
- ✚ Never stop treatment mid-way. Always complete the treatment, that's the best to chance for cure under regular check-ups after completing cancer treatment for the rest of your life

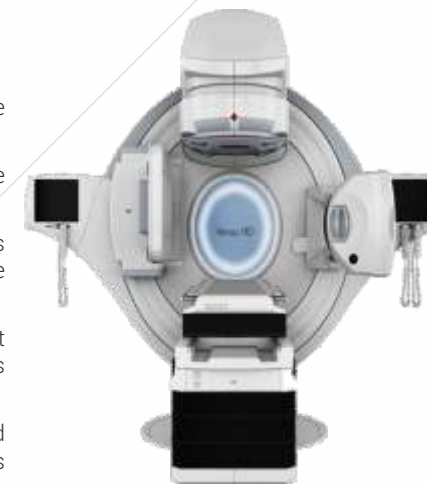
Raising the Bar in Cancer Care

- 🚫 Fully integrated diagnostic services with cutting edge technology
- 🚫 Transparent billing and comprehensive packages
- 🚫 Protocol and evidence-based treatment with compassion
- 🚫 Scarless head and neck surgeries
- 🚫 Breast reconstruction surgeries
- 🚫 Robotic techniques for complex surgeries
- 🚫 Stage-IV cancer treatment using HIPEC technique
- 🚫 Gujarat's biggest Bone Marrow Transplant unit
- 🚫 First-of-its-kind 32 Slice PET CT in Western India
- 🚫 3D Mammography with High Definition (HD) Tomosynthesis
- 🚫 HDRS - unique approach to Stereotactic Radiosurgery
- 🚫 25 Bedded State of the art ICUs
- 🚫 20 Bedded Day Care facilities

Radiation Oncology

LINAC – VERSA HD with HDRS

- First Versa HD with HDRS in Gujarat
- First iView Dose installation in the entire South Asia
- Intra-fraction CBCT imaging is the 1st of its kind in Gujarat
- Critical Structure Avoidance (CSA) is the unique feature in Elekta exclusive especially for SRS/SBRT
- Advanced MLC delivery with lowest leakage - 0.5% (Competitive leakage is 3%)
- Delivers radiotherapy in 4-5 fold increase in dose rate, thereby reduces treatment time
- Reduces dose to nearby critical structures.
- Delivers radiation therapy with better sparing of normal tissues
- Capable of achieving high positional accuracy



HDRS - Unique Approach to Stereotactic Radiosurgery

- Dynamic jaws move from segment to segment
- High Resolution 1mm increments
- Only Monaco controls Agility to produce 1mm x 1mm voxels for the smallest aperture (competitor 120: 2.5mm x 1mm)
- Mimics effects of dynamic 1mm leaves for small fields



SPECT – SYMBIA EVO EXCEL

- First SYMBIA EVO EXCEL of Gujarat
- SPECT with HD Detector (High Definition)
- Unique and Exclusive 76 degrees Cardiac Angle - Cardiac Scanning Image Quality of the Highest Order
- Unique Reconstruction Engine to reduce either TIME or DOSE by 50%
- Improve the comfort and satisfaction of large or claustrophobic patients with a 30% larger bore and shorter tunnel length
- Improve lesion detection and characterization with up to 24% higher NEMA-reconstructed resolution

Nuclear Medicine

Radiation is used in nuclear medicine and radiology. In nuclear medicine, radioactive materials known as radioisotopes, or radiopharmaceuticals, are introduced into the body. In radiology, X-rays enter the body from outside.



PET CT - BIOGRAPH HORIZON WITH TRUE V

- First Biograph Horizon with TRUE V in the entire Western India and Gujarat
- First 32 slice PET CT in Gujarat
- First PET CT with 512 x 512 imaging capabilities (Hi-rez) in Gujarat
- First PET CT capable of doing Dynamic Scan in Gujarat
- First PET CT capable of doing non-FDG based Cardiology (Rubidium, Ammonia based) in Gujarat
- Capability to adapt to any new Tracer that is introduced in the future
- Capability to scan with good Image Quality even @ 5 mCi dose (due to the LSO based crystals coupled with TOF (Time of Flight) Technology, with reduction in radiation dose to patient
- TRUE V reduces scanning time, thereby adding patient comfort



Mammography

- First Mammography of Gujarat with HIGH DEFINITION (HD) Tomosynthesis
- First Mammography in Gujarat with EMPIRE (Enhanced Multi Parameter Iterative Reconstruction) Technology
- First in Gujarat INSIGHT 2D technology - Synthetic 2D - 33% Lower Dose, 50% lesser Compression Force
- First in Gujarat INSIGHT 3D technology - 3D Display of Tomosynthesis Volume -66% lesser reading & reporting time
- Industry best 85um (micrometer) detector resolution
- Industry best 50 degree Wide Angle Tomosynthesis with 25 image projections with Lowest Dose now a possibility

Medical Oncology & Haematology

Zydus Hospital's Department of Medical Oncology & Haematology offers Cancer Detection, Counselling and in-total Disease Management. We have been performing chemotherapy with both conventional and newer, globally-accepted protocols of chemotherapy.



Chemotherapy

Chemotherapy is a form of drug therapy meant to destroy rapidly growing cells in the body. It's usually used to treat cancer, as cancer cells grow and divide faster than other cells. A doctor who specialises in cancer treatment is known as an oncologist. They'll work with you to come up with your treatment plan.

Chemotherapy is often used in combination with other therapies, such as surgery, radiation, or hormone therapy. This depends on:

- The stage and type of cancer you have
- Your overall health
- Previous cancer treatments you've under gone
- The location of the cancer cells
- Your personal treatment preferences



Since it is a systemic treatment, it affects the entire body.

Targeted Therapy

Targeted therapy is a cancer treatment that uses drugs. But it is different from traditional chemotherapy, which also uses drugs to treat cancer. Targeted therapy works by targeting the cancer's specific genes, proteins, or the tissue environment that contributes to cancer growth and survival. These genes and proteins are found in cancer cells or in cells related to cancer growth, like blood vessel cells. Doctors often use targeted therapy with chemotherapy and other treatments.

Immunotherapy

Immunotherapy, also called biologic therapy, is a type of cancer treatment that boosts the body's natural defences to fight cancer. It uses substances made by the body or in a laboratory to improve or restore immune system function. Immunotherapy may work by:

- Helping the immune system work better at destroying cancer cells

There are several types of Immunotherapy, including:

- Cancer vaccines
- PDL -1 Inhibitors

Hormone Therapy

Hormone therapy is a cancer treatment that slows or stops the growth of cancer that



uses hormones to grow. Hormone therapy is also called hormonal therapy, hormone treatment, or endocrine therapy.

The BMT Centre at Zydus Cancer Centre offers treatment for all blood related disorders including blood and marrow stem cell transplant. It has a 7-bedded indoor facility which is Gujarat's largest BMT unit and accessible to the patients of hematological disorders.

Full-time dedicated team of BMT:

- BMT Physicians
- Hemato-oncologist
- Paediatric oncologist
- Medical oncologist
- Radiation oncologist
- Transfusion medicine expert
- Hemato-Pathologist
- Trained transplant nurses
- Infection control specialist
- Physiotherapist
- Dietician
- Counsellors
- BMT coordinator

Bone Marrow Transplant

Bone marrow transplant procedure is performed not only for cancerous conditions like blood cancer, but also for genetic condition like Thalassemia.

Here the cancerous or genetically abnormal stem cells are eradicated by chemotherapy and immuno suppressive medicines and new functionally normal stem cells are given which later populate the bone marrow and blood with normal non cancerous cells and genetically normal cells.

Conditions treated with BMT in Adults and Children

Malignant Conditions

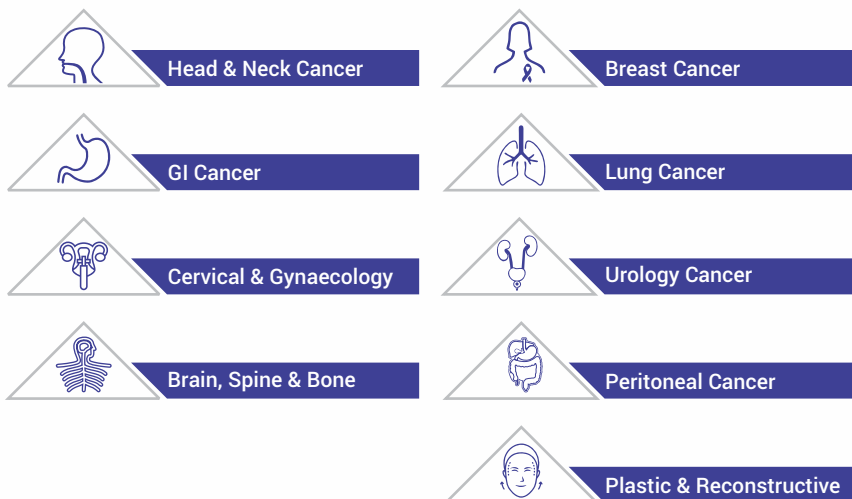
- Leukemias (Acute Myeloid Leukemia and Acute Lymphoma)
- Relapsed Hodgkin's and Non-Hodgkin's Lymphoma
- Multiple Myeloma
- Solid-Tumours (Cancers) such as high-risk Neuroblastomas, relapsed Ewing Tumours and relapsed Testicular Tumours

Salient Features

- Thalassemia major
- Severe Aplastic Anaemia
- Gujarat's Largest BMT with 7 Beds
- Immune Deficiency Disorders
- Autoimmune Diseases
- 0.3 micron HEPA Filter with 28 air changes per Hour.
- 23° C.R Humidity 55+/-5 %
- Terminal HEPA in BMT and Corridor
- Room is furnished like an ICU

Surgical Oncology

Complex tumour excision surgeries are routinely performed at Zydus Hospital, Ahmedabad. We have a team of highly skilled, well trained and experienced team of Surgical Oncologists supported by an extensively trained & skilled operating theatre and post-op intensive care staff. In totality we ensure that the success rate of Oncology surgeries is comparable with that of the best hospitals globally.



Head & Neck Cancer

Head & Neck is a group of cancers that starts within the mouth, nose, throat, larynx, sinuses, or salivary glands. About 80% of head and neck cancer is due to the use of alcohol or tobacco.

Precautions

- Stop tobacco chewing / smoking

Signs & Symptoms

- Non healing ulcer in mouth
- Swelling in Neck
- Red/white patch in oral cavity or mouth
- Change in voice
- Less mouth-opening

Evaluation of Head & Neck Cancer



- Biopsy
- CT Scan / MRI
- PET CT
- Oral screening evaluated by an expert

Treatment

Surgery

- Minimal Invasive Surgery
- Robotic Surgery
- Scarless Surgery for neck (Thyroid)

Radiation therapy

Chemotherapy

Breast Cancer

Breast Cancer is cancer that develops from breast tissue. Signs of breast cancer may include a lump in the breast, a change in breast shape, dimpling of the skin, fluid coming from the nipple, a newly-inverted nipple, or a red or scaly patch of skin

Precautions

- Breast self-examination: once a month after 10 days of menstruation
- Do Breast Self-examination once a month and get doctor examination once in 3 years
- Mammography is advised once a year after age of 40

Signs and Symptoms

- To check lump, abnormal discharge, change in shape of breast or skin changes, lump in axilla, unilateral nipple retraction
- Female with history of breast or ovarian cancer in sister or mother are at high risk

Screening of Breast Cancer

Mammography and biopsy are used for diagnosis of breast cancer

Treatment

Breast Cancer is treated by surgery and chemotherapy in majority of cases. Some patient is also advised Radiotherapy

GI Cancer

It is a term for the group of cancers that affect the digestive system. This includes cancers of the Oesophagus, Gallbladder, Liver, Pancreas, Stomach, Small Intestine,

bowel (large intestine or colon and rectum), and Anus. GI Cancers do not discriminate between men and women. In India incidence wise it is the third largest type of cancer found in men and fourth largest in women.

Signs & Symptoms

- Dysphagia
- Hematemesis
- Abdominal pain.
- Jaundice
- Back Pain
- Vomiting
- Altered Bowel habits
- Per rectal bleedings

Screening

- Colonoscopy
- Endoscopy
- Imaging

Treatment

Surgery

- Open Surgery
- Laparoscopy
- Endoscopy
- Robotic

Chemotherapy

Radiotherapy

Lung cancer

- Lung cancer is a condition that causes cells to divide in the lungs uncontrollably. This causes the growth of tumours that reduce person's ability to breathe

Signs and Symptoms

- Haemoptysis
- Persistent cough
- Change in Voice

Treatment



Surgery

- Open Surgery
- VATS
- Robotic Surgery

Chemotherapy

Radiotherapy

Special Features

- All facilities under one roof
- Dedicated team of experts to perform all complex cancer surgeries
- Faster Recovery
- Less Pain

Cervical & Gynaecology

Cervical cancer is a cancer arising from the cervix. It is due to the abnormal growth of cells that have the ability to invade or spread to other parts of the body. Early on, typically no symptoms are seen. At a later symptoms may include abnormal vaginal bleeding, pelvic pain or pain during sexual intercourse.

Precautions

- Avoid early sexual activity and marriage
- Avoid multiple sex partners
- Cervix cancer can be prevented by HPV vaccine before marriage
- HPV infestation happens first which can be followed by pre-cancer stage. Cancer can be prevented or treated with ease in this kind of cases
- Use condoms

Prevention

- PAP Smear every three year
- Regular PAP smears can prevent cervical cancer

Signs and Symptoms

- Abnormal vaginal bleeding-between periods, during intercourse or after menopause
- Pelvic-leg pain
- Abnormal vaginal discharge
- Rectum-bladder bleeding

Screening of Cervical Cancer

- PAP smear and gynaecology exam: once a year

Treatment

- Treatment is with surgery / radiotherapy for early cancer



- Radiotherapy for advanced stage

Uro Oncology

- Kidney Cancer
- Prostate Cancer
- Urinary Bladder Cancer
- Penile Carcinoma
- Testis Cancer

Precautions

- Digital rectal examination by Urologist and serum PSA level are advised to do after age of 50 years yearly

Screening

- SPSA
- Biopsy for diagnosis of cancer

Treatment

- Surgery
- Radiotherapy
- Chemotherapy

Peritoneal Cancer

Peritoneal cancer is a rare cancer. It develops in a thin layer of tissue that lines the abdomen. It also covers the uterus, bladder, and rectum. Made of epithelial cells, this structure is called the peritoneum. Primary peritoneal cancer is more common in women than in men. Women at risk for ovarian cancer are also at increased risk for peritoneal cancer.

Symptoms

- Abdominal discomfort or pain from gas, indigestion, pressure, swelling, bloating, or cramps
- Feeling of fullness, even after a light meal
- Nausea or diarrhea
- Constipation
- Frequent urination
- Loss of appetite
- Unexplained weight gain or loss
- Abnormal vaginal bleeding
- Rectal bleeding
- Shortness of breath



Screening

- Biopsy
- MRI
- PET Scan
- Colonoscopy
- Endoscopy
- Blood Chemistry Analysis
- Tumor Marker Tests

Treatment

- Cytoreductive Surgery & HIPEC

Brain, Spine & Bone

Cancers that begin in brain tissue or the spinal cord are known as central nervous system cancers. Primary brain tumors develop in the brain. If the tumor began in another part of the body but spread to the brain, it is called a secondary brain tumor or brain metastases.

Symptoms

- Brain Tumor
- Morning headache
- Loss of balance while walking
- Weakness of legs & hands
- Numbness in leg/trunk
- Difficulty in walking
- Frequent nausea and vomiting
- Vision, hearing, and speech problems
- Weakness on one side of the body
- Numbness on one side of the body
- Unusual sleepiness or change in activity level
- Seizures

Spinal Cord Tumors

- Back pain or pain that spreads from the back towards the arms or legs
- A change in bowel habits or trouble urinating



- Weakness in the legs
- Numbness in the legs or trunk
- Trouble walking

Screening

- X-ray
- CT Scan
- MRI
- PET CT Scan
- Lab Test

Treatment

- Surgery
- Radiation Therapy
- Chemotherapy

Plastic and Reconstructive Surgeries

Cancer patients need help of a Plastic Surgeon frequently. Especially in Oral, Breast and Limb cancer, Plastic Surgeons play a pivotal role in helping the patients restore the part removed during the treatment. These plastic surgery procedures require meticulous skill and extreme dedication to get desired results otherwise it could worsen the problems if not done by trained professionals.

Advantages in Head & Neck Cancer Surgeries

- Normal functions like chewing and drinking can continue.
The patient can continue to have good speech as well.
- Overall cosmesis is maintained
- Best improvement is to gain self confidence while facing people in social gathering

Advantages in Breast Cancer Surgeries

- New breast can be reconstructed at the time of Cancer Surgery
- It helps to maintain identity and self-confidence of female patients post operatively

Other Advantages

Bone tumors, skin cancers, soft tissue tumors might need some form of plastic surgical procedures to maintain function and cosmesis.

Other than Cancer, patients having birth defects, hand injuries, facial injuries, burns, ugly looking scars, limb fractures need help of a Plastic Surgeon to maintain and improve function and cosmesis.

Cosmetic surgery is a division of a Plastic and Reconstructive surgeries where surgeries are performed to enhance or correct the look of patients. Breast surgeries, facial contouring surgeries, Surgeries for looking young and post weight loss surgeries are some of its examples.

Diagnostics Facility

Zydu Cancer Care Centre hosts a fully integrated diagnostic service with cutting-edge technology. This ensures quick and comprehensive detection increasing the possibility of enhanced care.

Histopathology & Cytology


Histopathology and Cytology division examines the tissues and fluids removed from the patient's affected organ during the surgical procedure. After a series of complicated processing by automated machines and using special staining procedures, a study enables the pathologists to arrive at the diagnosis and plan the treatment.

Haematology

Haematology is the science or study of blood, blood-forming organs and blood diseases. In the medical field, haematology includes the treatment of blood disorders and malignancies, including types of haemophilia, leukaemia, lymphoma and sickle-cell anaemia.

Haematologists focus largely on lymphatic organs and bone marrow and may diagnose blood count irregularities or platelet irregularities. Hematologists treat organs that are fed by blood cells, including the lymph nodes, spleen, thymus and lymphoid tissue.





Magnetic Resonance Imaging (MRI)

MRI uses a strong magnetic field and radio waves to create detailed images of the organs and tissues within the body.

An MRI scan uses a large magnet, radio waves, and a computer to create a detailed, cross-sectional image of internal organs and structures.

CT Scan

Computed Tomography (CT) is a diagnostic procedure that's sometimes referred to as Computed Axial Tomography, or a 'CAT scan.'

CT scans use X-rays to produce 2D cross-sectional images or slices of the body's bones, soft tissues, and blood vessels.

USG

An Ultrasound Scan is a medical test that uses high-frequency sound waves to capture live images from the inside of your body. It's also known as sonography. An Ultrasound allows the doctor to see problems with organs, vessels, and tissues without needing to make an incision.

X-ray

The most familiar use of x-rays is checking for broken bones, but x-rays are also used in other ways. For example, chest x-rays can spot pneumonia. Mammograms use x-rays to look for breast cancer. When you have an x-ray, you may wear a lead apron to protect certain parts of your body.

Microbiology

Microbiology is the scientific study of microorganisms. Microorganisms are those organisms that are too small to see with the naked eye and include things like bacteria, fungi, and viruses.

Biochemistry

The biochemical profile is a series of blood tests used to evaluate the functional capacity of several critical organs and systems, such as the liver and kidneys. These tests can be done on an empty stomach or not, and are usually accompanied by a complete blood count (CBC).


Ancillary Services

Supportive care

- Minor procedures: RT, Catheter, IV Fluids, Pain Clinic, Suturing, Bed Sore Care, Tracheostomy
- Nutritional Guidance
- Therapeutic procedures: Ascitic-Pleural tapping, Pain blocks.
- Post Chemotherapy Support
- Post Radiotherapy Support
- Speech and Swallowing Rehabilitation

Pain & Palliative care

- Counselling to Family Members
- Pain Clinic, Diet and Nutrition Planning, Wound, Bed-sore, Incontinence, Physiotherapy Support
- Training for Care at Home, Periodic visit at home to Supervise Care
- Equipment Support: Suction Machine, O2 Supply



LET YOUR FAITH
BE STRONGER
THAN YOUR FEAR
IN IT TO WIN IT