

COMMITTED TO SAFE AND QUALITY RADIOSURGERY

NEURO - RADIO SURGERY CORE TEAM:

Neurology:

Dr. Dipak Patel
Dr. Kalpesh Shah
Dr. Chirag Solanki
Dr. Yagnesh Kumar Saija
Dr. Ravi Chauhan

Radiation Oncology

Dr. Sandeep Jain

Spine Surgery

Dr. Hitesh Modi

OTHER TEAM:

Neurology:

Dr. Dipak Patel
Dr. Kalpesh Shah
Dr. Chirag Solanki
Dr. Yagnesh Kumar Saija
Dr. Ravi Chauhan

Medical Oncology

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

Endocrinology

Dr. Om J Lakhani

GI, Lung & Thoracic

Dr. Mahesh D Patel

Ophthalmology

Dr. Rupal Zumkhawala

Dr. Sejal Shah

Radiology

Dr. Ajay Patel
Dr. Ameer Panchal
Dr. Shweta Thakkar
Dr. Gaurav Goswami

Head & Neck:

Dr. Mahesh H Patel
Dr. Siddharth Shah

ENT

Dr. Lav Selarka
Dr. Monark Shah

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 and Pancreas

Plastic and Reconstructive Surgeries

Radiation Oncology

- Radiation Therapy

Nuclear Medicine

- PET-CT
- SPECT
- High Dose Radionuclide Therapy

Pain and Palliative Care



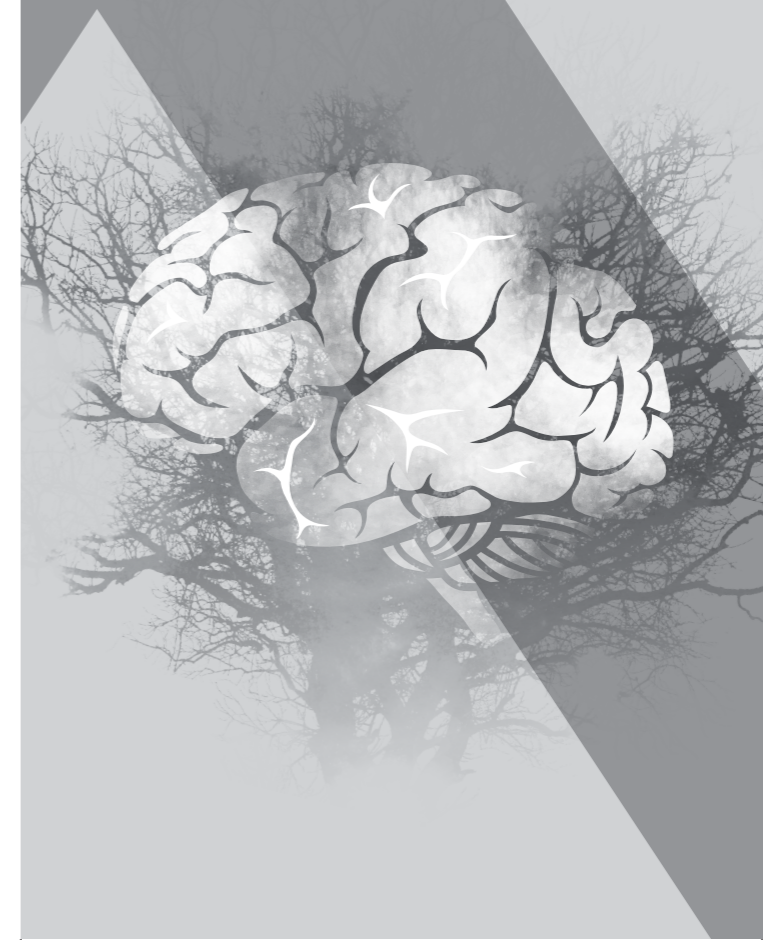
Please book your appointment: 72290 47022 / 21



Zydus Cancer Centre
Zydus Hospitals Road, S.G. Highway,
Thaltej, Ahmedabad - 380 054, Gujarat.
Board Line: 079-71 666 000



**Neuro
Radiosurgery
Program**



Neuro radiosurgery program

Zydus Hospitals with its cancer centre (ZCC) is equipped with the most advanced treatment facilities for brain and spinal tumors and neurological disorders. We have put together a **specialized site specific multi specialty team of professionals** providing advance neuro radiosurgery solutions which is a comprehensive one stop facility.

Stereotactic Radiosurgery & Radiotherapy (SRS / SRT)

SRS/SRT are high precision techniques which uses highly potent dose of radiation in 1 to 5 sessions delivered using a 3D coordinate-system for the exact localization of the tumors ensuring sub-millimeter accuracy.

Clinical Indications:

The common indications of SRS are:

- Acoustic neuroma
- Brain metastases
- Pituitary adenoma
- Meningioma
- Glomus tumor
- Low-grade astrocytoma
- Orbital Tumors

In addition, we also treat benign disorders (functional radiosurgery) with these techniques in following neurological diseases:

- Trigeminal neuralgia
- Arterio-venous malformation

Stereotactic Body Radiotherapy (SBRT)

SBRT is similar concept of SRS applied to body tumors. It involves the delivery of a 1-8 high dose radiation sessions to ablate the vertebral tumors. This was not achievable previously and has much better results than long –course radiation therapy and useful even in the resistant tumors like metastasis of thyroid, renal and primary bone tumors close to spinal cord.

Radiosurgery Techniques:

We offer whole range of technology as appropriate for given case for **high precision stereotactic procedures**. With our linac based SRS we can also treat large, irregular and multiple tumors (metastases) in addition to other tumors treated by traditional equipments. We have the following techniques available for SRS:

- Volumetric Modulated Arc Therapy (VMAT)
- Dynamic conformal arc
- Static Intensity modulated radiosurgery (IMRS)
- Dynamic IMRS

Linac MLC with shaped Fraxion



Our Technology:

- Elekta Versa HD with photons, electrons and FFF mode for fast delivery
- Agility multi-leaf collimators (160, 5 mm wide) with fastest leaf speed
- Hexapod couch with 6 dimensional correction
- Monaco planning system with monte-carlo algorithm
- Cone beam CT and X-Ray Volume Imaging (XVI) verification
- Fraxion stereotactic frame, AIO with SBRT accessories

First time in Gujarat “intrafraction CBCT” for real time monitoring during treatment

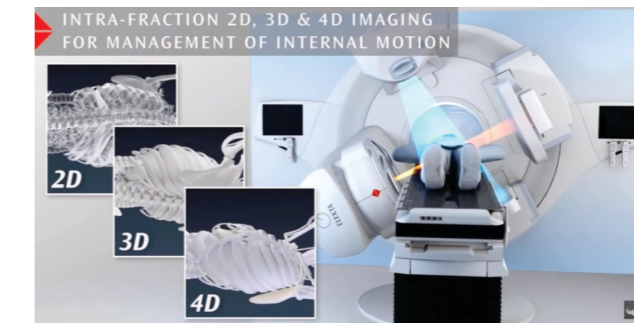


Benefits of FFF (flattening filter free):

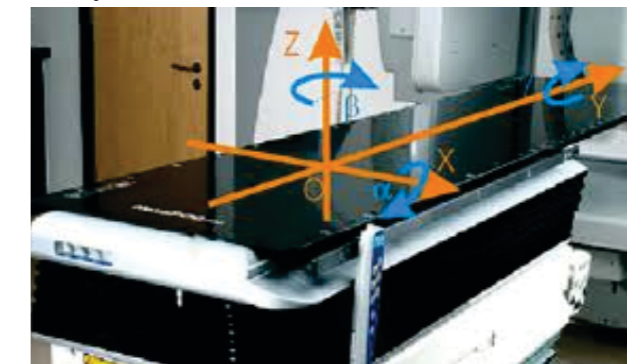
We have a fast delivery mode specially suited for radiosurgery cases with the following benefits:

- Faster treatment
- Less leakage
- Less dose to surrounding tissues

“Intrafraction CBCT”



Hexapod



What are the clinical benefits of high precision radiosurgery?

- Non invasive treatment
- Single day single shot treatment
- Better tolerance to the treatment
- Better quality of life
- Dose escalation in some cases
- Comparable cure rates