

## RADIATION ONCOLOGISTS



Dr Looi Wen Shen graduated from NUS YLL-SOM and completed his specialist training at NCCS. Formerly a Consultant radiation oncologist at NCCS and Clinical Assistant Professor at Duke-NUS Medical School, he also practised at the University of Florida Proton Therapy Institute, USA, where he completed subspecialty fellowship training in proton therapy and paediatric radiotherapy. He also received further training at the Taipei Medical University Hospital Proton Centre for regionally endemic diseases such as liver cancer and nasopharyngeal cancer.



Dr Shaun Ho graduated from NUS medical school and underwent specialist training at NCCS. He also completed a clinical oncology fellowship at University College London Hospital, UK, and received proton therapy training at Kobe Proton Centre and Taipei Medical University Hospital. Prior to joining Proton Therapy Singapore, he was the Clinical Director of Radiation Oncology at Raffles Hospital where he set up and headed the service, and was also formerly a Consultant and Clinical Assistant Professor at NCCS and Duke-NUS Medical School.



Dr Wong Ru Xin was a consultant in the National Cancer Center. She graduated from the National University of Singapore on the Dean's list and was the recipient of a few academic prizes. As part of her training, she was awarded the Ministry of Health Human Manpower Development Program to learn at St Jude Children's Hospital. She also spent time observing at various proton centers and has attended relevant courses in Particle Therapy and radiosurgery.



ADVANCED MEDICINE

RADIATION ONCOLOGY

QUALITY CLINICAL CARE WITH ADVANCED TECHNOLOGY

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Locations

- ▶ 1 Biopolis Drive #02-01
- ▶ Lucky Plaza #05-06
- ▶ Mt Elizabeth Orchard #12-04

**Medisave** and **Medishield** Claimable

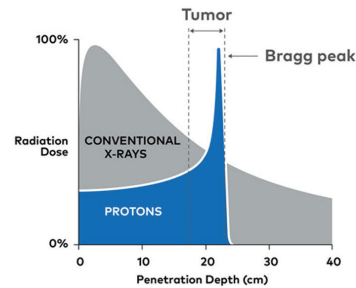
**Major Insurances** Accepted

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## RADIOTHERAPY TYPES AVAILABLE

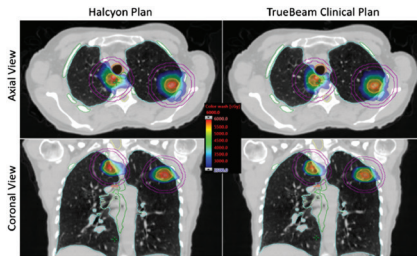
### Proton Beam Therapy (PBT):

Uses high-energy sub-atomic particles called protons to precisely target tumours in the body while reducing radiation damage to surrounding normal organs and tissue. It is often used in the treatment of complex cancers such as in the head and neck, brain, liver, and in childhood cancers.



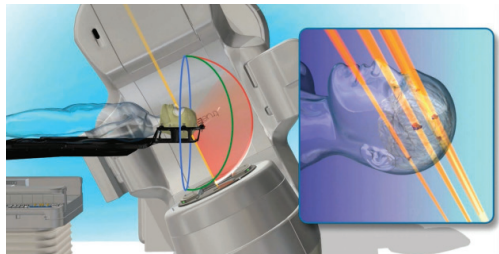
### Stereotactic Body Radiotherapy (SBRT):

Also known as stereotactic ablative radiotherapy (SABR), is an advanced radiation therapy technique that uses highly precise and concentrated radiation doses to kill cancer cells in various parts of the body such as the bone, lungs, and liver.



### Stereotactic Radiosurgery (SRS):

SRS is a non-invasive radiation therapy technique that delivers a concentrated dose of radiation to a precisely defined target in the brain, sparing normal tissues and killing cancer cells.



### Intensity Modulated Radiotherapy (IMRT):

Allows for the modulation of radiation beams in order to optimise target coverage and sparing of normal organs. This is achieved through the use of advanced computer algorithms and multiple radiation beams.

### Volumetric Modulated Arc Therapy (VMAT):

VMAT is similar to IMRT but instead of multiple fields, the treatment is delivered continuously in arcs, resulting in faster treatment times compared to IMRT.

### 3D Conformal Radiotherapy:

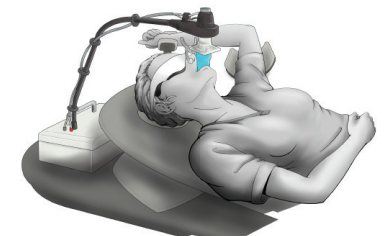
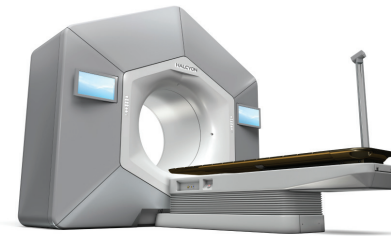
Utilizes advanced imaging to create a three-dimensional map of the tumor and normal organs in order to create a customised radiation treatment plan.

### Electron Beam Therapy:

These small particles have a short range and deposit their energy superficially, making them ideal for treating tumours near the skin surface.

## Radiotherapy Equipment Available at SAM

- ▶ **Varian Probeam:** 360-degree rotating arm with high-output pencil beam scanning proton therapy, robotic couch, and integrated high-definition CT for image-guidance. Proton Therapy Singapore



- ▶ **Varian Halcyon:** a powerful, fast and precise linear accelerator for photon radiotherapy.
- ▶ **SDX:** breath hold and gating for moving targets, e.g. breast, lung and liver.
- ▶ On-site MRI, CT and PET/CT

## Cancers We Treat

- ▶ Breast
- ▶ Prostate
- ▶ Head and Neck
- ▶ Brain
- ▶ Lung
- ▶ Endometrial
- ▶ Esophageal
- ▶ Bladder
- ▶ Liver
- ▶ Rectal
- ▶ Kidney
- ▶ Sarcoma
- ▶ Pediatric
- ▶ Skin
- ▶ Lymphoma
- ▶ Others

