





Rooms

Diagnostics Imaging centre High End Day Care Chemo Wards

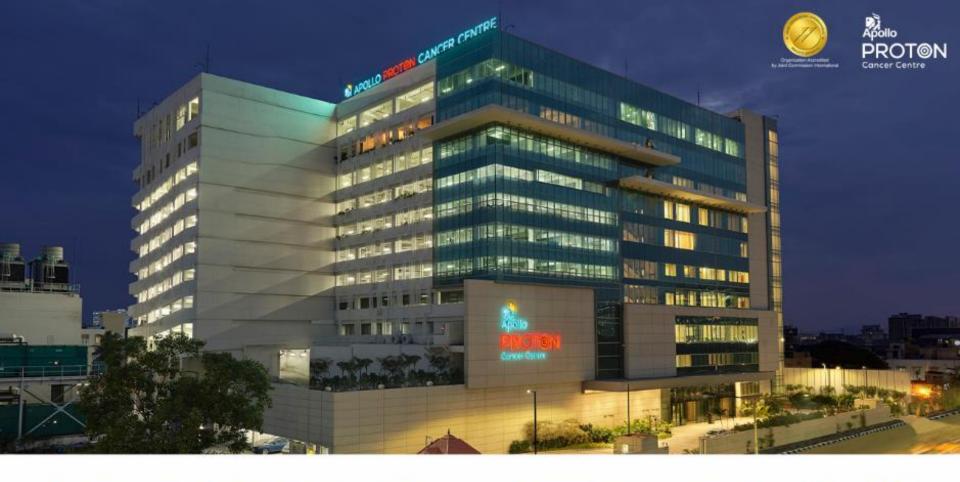
Operating rooms

Linear Accelerators

Comprehensive Ċancer Care

Inpatient facility

Cancer Care



"India's First Dedicated Cancer Hospital accredited by JCI"

APOLLO PROTON CANCER CENTRE – ABOUT OUR FACILITY

The Apollo Proton Cancer Centre (APCC) is a 150-bed integrated cancer hospital that offers advance cancer care. It is South Asia & the Middle East's first Proton Therapy and a major milestone in India's concerted focus to battle and conquer cancer. Powered by the pencil beam proton therapy & cutting-edge multi room Proton Centre this is the first and only cancer hospital in India with a JCI accreditation the gold standard in quality

The hospital is a beacon of hope for over 3.5 billion people and is revolutionizing radiation oncology not just in India, but across multiple regions.

The advanced Proton Therapy at APCC is complemented by a fully integrated clinical team that offers the most advanced treatment procedures in surgical, radiation, medical oncology. True to the Apollo Pillars of Expertise and Excellence, the Centre brings together a powerful medical team helmed by some of the influential names in cancer care.

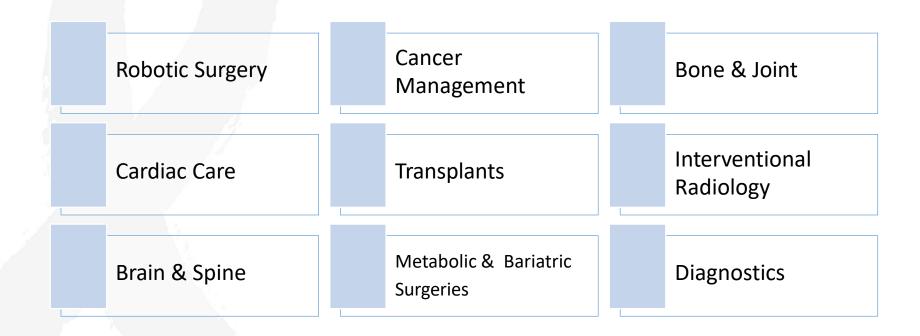






Clinical Expertise





<u>Overview</u>

Apollo PROT®N Cancer Centre

1. CMT approach

....

2. Well managed proton centre with pencil beam technology and with capacity to treat over 50 pts and each patient is around a CMT approach

and each patient is around a CMT approach

4. International Tumor Board.

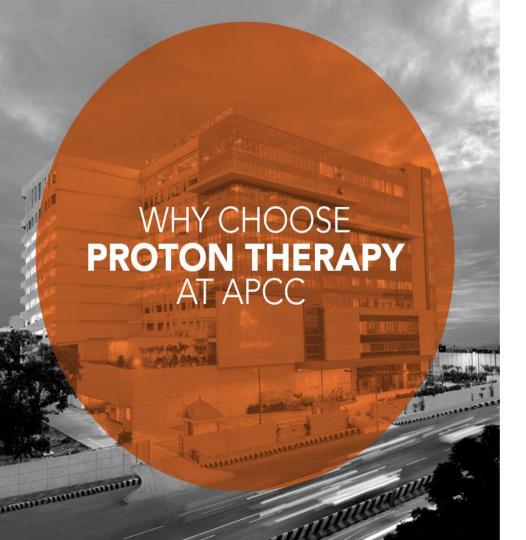
6. Integrated and Advanced cancer centre

7. Approx 1000 proton therapy cases treated successfully

3. Digital Pet ct – 1 st in India

5. 3 Tesla MRI.

8. Only dedicated cancer centre accredited with JCI9. Digital Pathology10. Clinical teams with over three decades of experience .



PINNACLE OF RADIATION THERAPY

A medical procedure anchored on sub-millimetre accuracy, an advanced therapy that attacks cancerous cells and spares healthy tissues, when offered by a renowned institution can be a boon for patients seeking affordable and accessible cancer care

HERE IS WHY PROTON THERAPY AT APCC IS SAFER AND MORE EFFECTIVE:

- In conventional therapy, the X-ray beam delivers an 'exit dose' along the path beam, which can damage normal tissue or organs.
- Proton Therapy uses high-energy proton beams, instead of X-rays, to treat cancer. These high precision beams attack only the cancer cells.
- The point where most energy is released by the proton path beam can be accurately set to conform to the shape and depth of a tumour.
- Offered in a multi-room environment, considered as the pinnacle of Radiation Oncology.
- Powerful cyclotrons, fully- revolving gantries and state-of-the-art delivery modes in the treatment process ensure unprecedented precision.

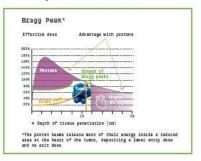




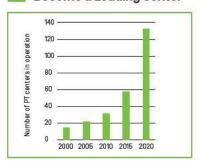
10 reasons why one should consider proton therapy



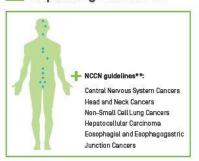
Physics of Protons



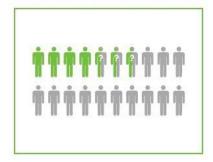
Become a Leading Center



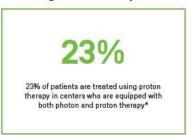
Expanding Indications



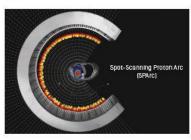
Proper Patient Selection



Large Patient Population



Be an Innovator



Participate in Clinical Trials

More Compact and Affordable Solutions

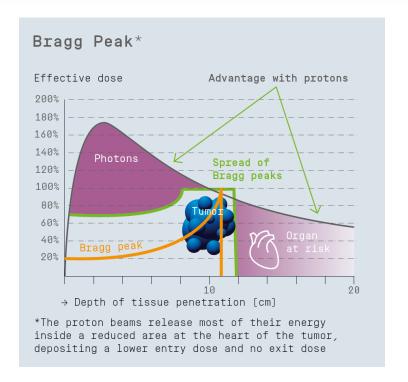


Fast Installation Time

High Throughput



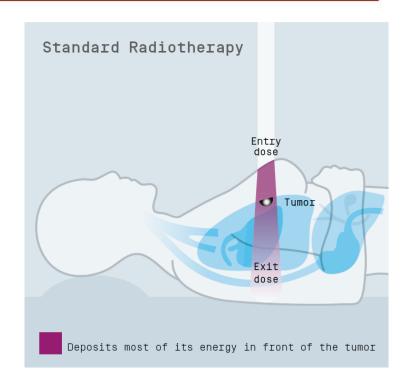
The Bragg peak

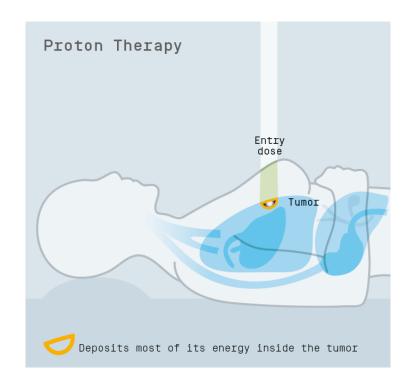


- Minimal radiation exposure of healthy organs
- Potential to reduce the risk of secondary cancers
 - Potential to improve the quality of life for patients during and after treatment
 - Possibility of retreatment

Standard Radiotherapy and Proton Therapy









Modern Proton Beam therapy
Pencil Beam technology (IMPT)

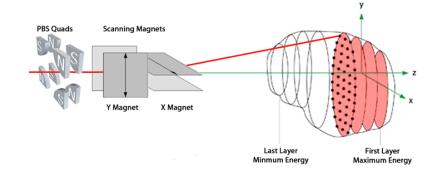


Cone beam CT IGRT

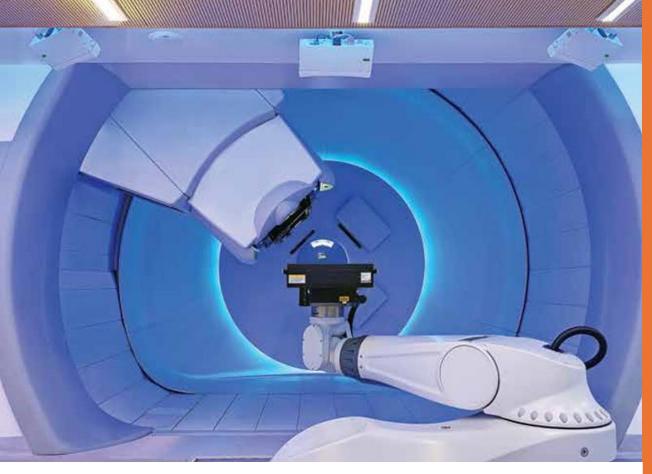


Monte Carlo algorithms





Ultraprecise dose sculpting of most complex tumour shape



Over 1000 Cancer Patients Successfully Treated with Proton
Therapy

PROTON

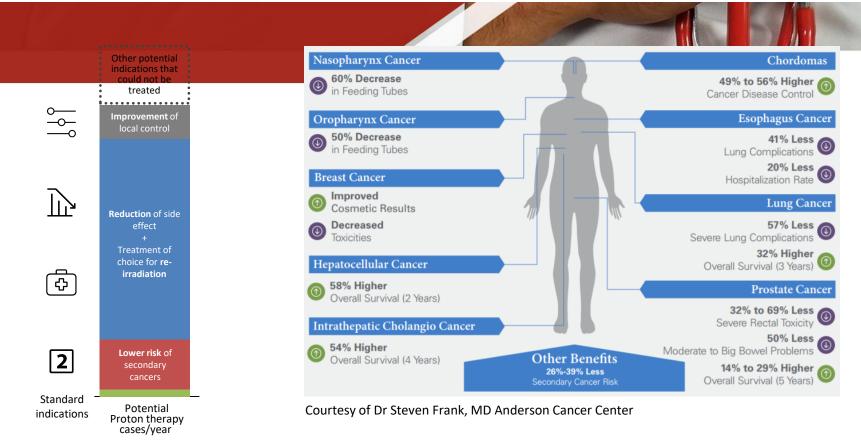
On par with international standards, APCC is powered by PROTEUS**PLUS – a unique proton therapy solution designed to treat even the most complex tumours.

ADVANTAGES INCLUDE:

- Enables surgeons to perform highly innovative treatment methods like Image-Guided Intensity Modulated Proton Therapy (IMPT).
- With IMPT, radiation oncologists can accurately set the precision, depth and intensity of a proton beam as per the contours of a tumour.
- PROTEUS*PLUS combines the fine precision of the Pencil Beam Scanning (PBS) delivery mode with the accuracy of 3D Cone-Beam Computed Tomography (CBCT) imaging and the adaptive capacity of In-room CT.

From screening to diagnostic tests and treatment procedures, every definitive step at APCC focuses on a singular goal to help cancer patients reclaim life.

Which patients can benefit from Protons?

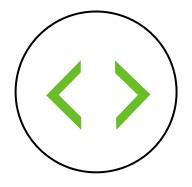


Potential benefits of Proton Therapy for patients





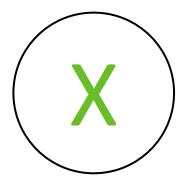
Improvement of local control



Reduced side effects



Lower risk of secondary cancers



Treatment of choice for re-irradiation

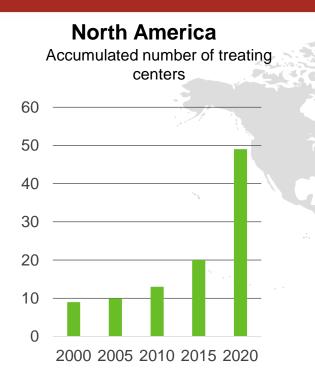


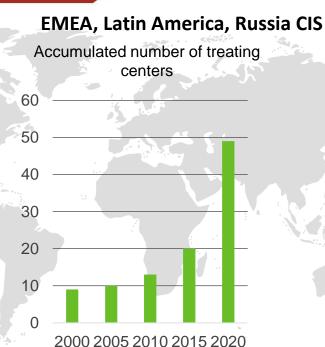
APOLLO PROTON PARTNERS

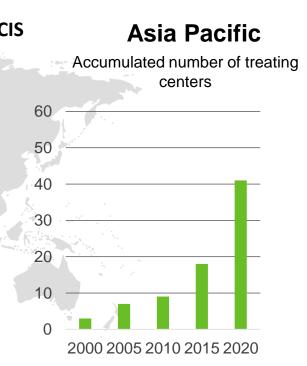
Our goal of partnership is to improve the access to PROTON THERAPY ACROSS THE GLOBE

The number of Proton Therapy centers* is growing fast









^{*} Include research and academic centers. See the list of centers in annex.

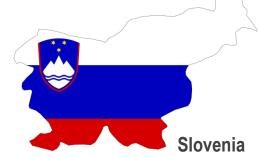
Global Proton Centers are partnering exclusively with Apollo



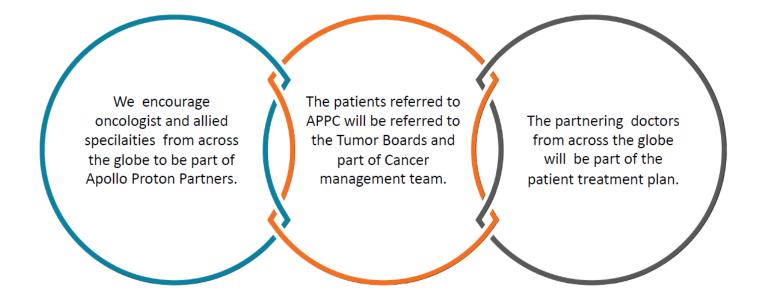
Indonesia







Partnership within Apollo







Advantages Access to vast pool of medical resources Tele- consultation Proton observation program Patient centric cancer management team with organ specific tumour boards Centralized planning for radiation Comprehensive 360 degree cancer care management Invitation for Apollo Cancer Conclaves Apollo Proton Advisory board Preferred proton therapy tariffs Genomics molecular profiling Academic collaboration for multi-centric clinical research programs Digital pathology





New Areas of partnerships

- Skill development of clinical and paramedical staff of partner hospitals
- **LIVE workshops** in Surgical Oncology delivered on site at partner hospital by Apollo clinicians
- Master classes on topics of relevance in medical oncology, radiation oncology, surgical oncology and nuclear medicine delivered by AHEL clinicians to the clinicians at partner hospitals
- Joint Tumor Board participation (organ specific tumor boards) from clinicians + joint participation in AHEL Proton Advisory Board
- Conducting **Joint Scientific Research** projects, academic conferences and symposia related to Medical/Surgical/Radiation Oncology applications & newer trends in cancer management. This shall include multi centric clinical research programs.
- Invitation for AHEL Medical Conclaves

New Areas of partnerships

- Referral of clinically eligible patients with severe disease or rare clinical presentation from Mauritius partner hospitals and clinicians to receive specialized medical treatment at AHEL network Hospitals in India
- Teleconsultation & Expert Opinion with clinicians from AHEL made available for Mauritius patients to use and clinically eligible patients post teleconsultation can be referred to Apollo Hospitals
- **Clinical partnership:** Key clinicians from AHEL from the specialties listed below shall be invited by Mauritius partner hospitals to offer OP/IP clinical services at partner hospital with necessary MoH licences procured for such clinicians by partner hospital.
 - a. Surgical Oncologist
 - b. Radiation Oncologist
 - c. Medical Oncologist
 - d. Nuclear Medicine Specialist
 - e. Hemato Oncology
 - f. Pediatric Oncology

Benefits of Partnering with Apollo Proton Cancer Centre

- Access to a wider range of expertise, advanced technology and care
- Improves patient care and clinical outcomes through DMG
- Best use of technology and better clinical outcome
- Cost effective treatment when compared to International centres
- Continuum of Care
- Joint publications & trail studies
- Joint tumour board discussion for better treatment planning







Email: Karthik_Anantharaman@apollohospitals.com

https://proton.apollohospitals.com/