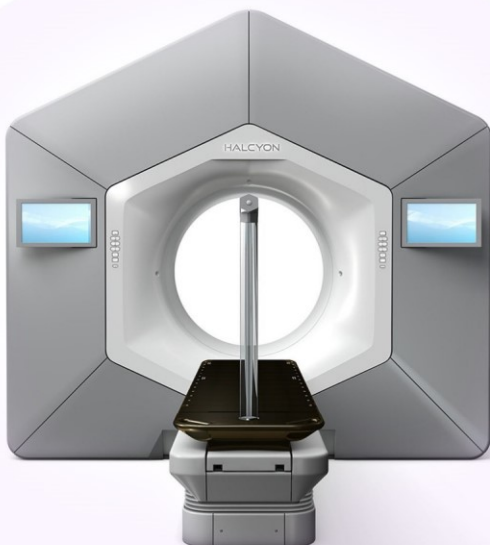


A PHYSICIAN'S GUIDE
TO EASTERN INDIA'S 1ST

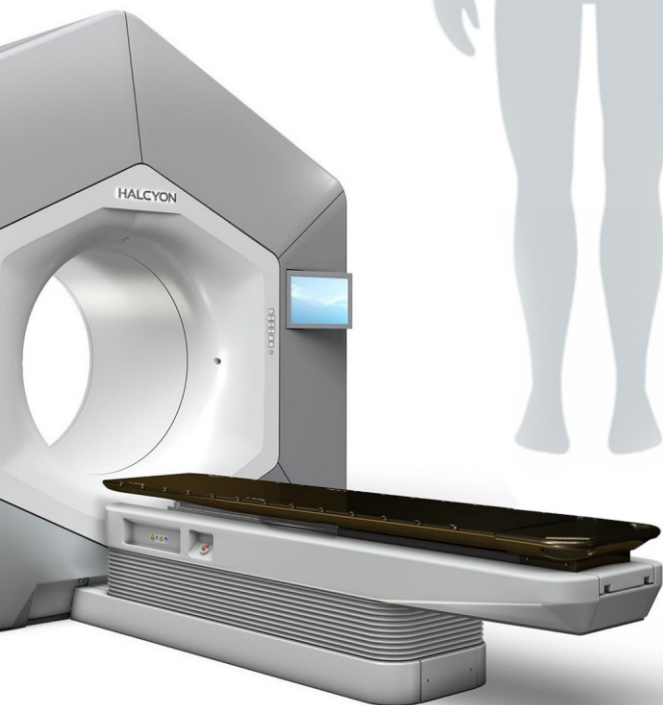
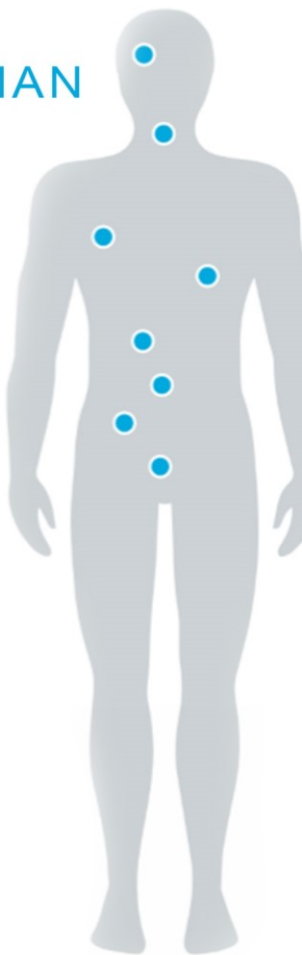
HALCYON™ RADIOTHERAPY SYSTEM

APOLLO CANCER CENTRES



HIGH TECH WITH A HUMAN TOUCH

A physician's guide
to the Halcyon™
radiotherapy system



TRANSFORMATIVE RADIOTHERAPY TREATMENT FOR CANCER

The Halcyon™ system is the recent advancement in radiotherapy, now introduced in Eastern India by Apollo Cancer Centres. It is built to deliver advanced treatments so you can help your patients get closer to the day they're cancer-free.

Halcyon isn't just another radiotherapy machine; it's a completely reimagined system that elevates patient care while simplifying and streamlining the treatment process. With Halcyon, we've taken a giant leap forward in our ability to deliver leading-edge care in an environment that's more patient friendly than ever.

Your patients trust you to refer them to a center where compassion and caring are the norm and the latest technology is a given. Tell them about the extraordinary oncology program here at [Apollo Cancer Centres](#), and tell them about Halcyon.



“ The time taken for treatment was faster, easier and comfortable than what I imagined. ”

Mr. Arun Mukherjee

Prostate Cancer Patient

From Kolkata

THE BEST TECHNOLOGY FOR BETTER CANCER CARE

Halcyon delivers high-quality care by optimizing 3-D conformal, intensity-modulated radiation therapy (IMRT), image-guided radiotherapy (IGRT), and RapidArc® radiotherapy treatments. These capabilities allow us to treat a number of cancers, including those of the head and neck, lungs, breasts, prostate, uterus and brain, using the most appropriate technique for your patient. With Halcyon's next-generation dual-layer multileaf collimator (MLC), we can provide high quality treatment plans for complex target cases.



SPEED WITHOUT COMPROMISE

Halcyon is designed to speed up every step of the treatment process without compromising quality, delivering treatments in a fraction of the time it takes with conventional machines.

The system's gantry rotates four times faster than a standard linac for IGRT treatments, and RapidArc treatments can be completed in one-third less of the time. The fast MLC motion allows treatments to be delivered at close to the maximum dose rate throughout the entire treatment, while cone-beam CT imaging can be completed in approximately 15 seconds. With Halcyon's streamlined and efficient processes, treatment requires only nine steps from start to finish.

These system attributes help minimize the patient's treatment time while maintaining a high level of clinical quality in terms of dose conformity and low dose to organs at risk.



ENHANCED PATIENT COMFORT & PEACE OF MIND

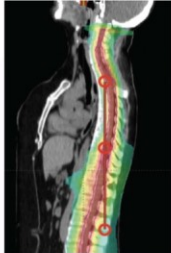
Our hands-on and compassionate approach, together with Halcyon's patient-centered design, help us provide an even more comfortable experience for your patients.

Features like a wide 100 cm bore; quiet operation; and soft, ambient lighting contribute to a less intimidating environment for patients, while the low treatment couch makes it easier for them to get on and off. And since Halcyon's gantry and imaging components are fully enclosed, nothing externally rotates around the patient.

To keep your patients in constant view of our therapists, an integrated couch-mounted camera travels with them into the bore of the machine, ensuring that they are always in the center of the video screen. Plus, the integrated intercom enables immediate and clear communication between therapist and patient.

Treatments can be completed in about 10 minutes, so patients can get back to their lives with minimal disruption.

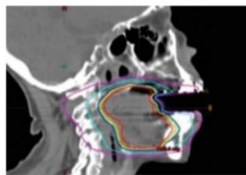




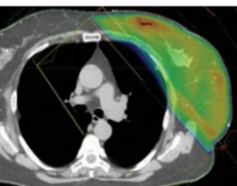
CNS TUMORS

Rapid Treatment of CNS Tumors including complex radiation techniques like Craniospinal Irradiation (CSI). The whole brain and spinal cord are treated together for diseases like Medulloblastoma. With Halcyon, this large field treatment can be completed quickly under strict high quality image guidance everyday ensuring precise beam delivery and providing comfort at the same time. Lower treatment is especially helpful for pediatric patients who often comes with this kind of malignancies.

HEAD & NECK CANCERS



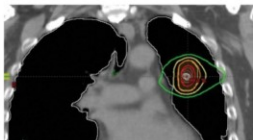
With Halcyon's new generation dual layer MLCs (Multi-Leaf Collimators) combined with high speed gantry rotation radiation beam modulation is now enhanced. The improved beam modulation makes it capable of treating complex head and neck cancers with high quality Intensity modulation Radiotherapy (IMRT) with focussed beam delivery to tumor and less radiotherapy related side effects. The entire treatment is now four times faster which reduces motion related uncertainties and is more patient friendly



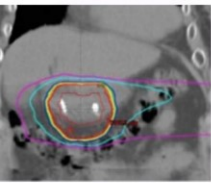
BREAST CANCER

A quick radiation delivery with techniques like Deep Inspiration Breath-hold (DIBH) can significantly decrease the dose to heart in left sided breast cancer and reduces cardiac toxicities. With Halcyon, Breast cancers can be treated with Tangent fields, Intensity modulated radiotherapy (IMRT) and Arc therapy or their combinations in supine or prone position.

LUNG CANCER



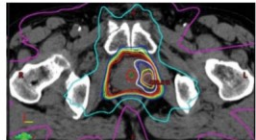
Halcyon's high quality on board KV - CT scan generates high resolution images for guiding radiation beams during treatment. Faster Gantry speed and new generation dual layer Multi-Leaf Collimators (MLCs) produce better beam modulation and less radiation leakage causing precise radiation delivery and sparing of normal organs in moving tumors like Lung Cancers.



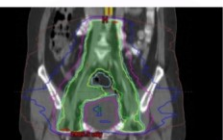
GASTROINTESTINAL CANCER

From Esophagus to Anal Canal, Halcyon is capable of delivering highly precise radiation treatment to most of the gastrointestinal malignancies. The treatment is faster even for large field sizes. Newer Generation dual layer Multi Leaf Collemators (MLCs) and on board high resolution KV CT scan ensure safe delivery of high quality radiation beam to tumor and reduction of dose to surrounding organs.

GENITOURINARY CANCER



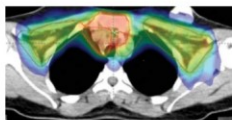
Halcyon's integrated high resolution Image guidance (IGRT) system makes prostate cancer radiotherapy easier and with more confidence. a four times faster radiotherapy delivery and improved intensity modulated arcs further improves the treatment effect by focussed radiation delivery and normal tissue sparing. Patient feels more comfortable now with reduced time of treatment and friendly machine structure.



GYNAECOLOGICAL CANCERS

Gynaecological malignancies like Cervical, Endometrial or Vulval cancers can be easily treated under integrated image guidance of Halcyon. Extended field treatments like para-aortic nodal basins can be treated with much lesser time and with improved intensity modulation through new generation dual layer Multi-leaf collimators (MLCs). Halcyon aims precise high quality radiation delivery without compromising safety.

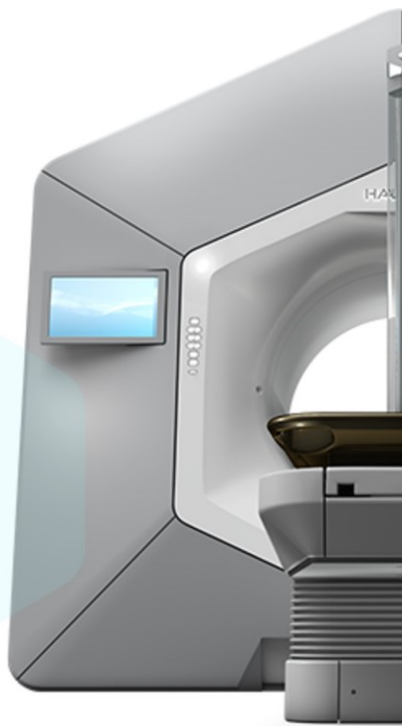
HAEMATOLOGICAL CANCERS



Radiation therapy is an integral part of management of haematological malignancies including lymphomas, multiple myeloma and Bone marrow transplant. Halcyon's advanced technology is capable of delivering radiation for complex techniques like total body irradiation (TBI) which is often used for transplant patients.

TECHNOLOGY THAT EVOLVES AS INNOVATION ADVANCES

Halcyon will keep getting better at treating cancer as new protocols and enhancements are developed, incorporated, and updated directly into the system. As the fight against cancer advances, Halcyon's capabilities evolve so that here at [Apollo Gleneagles Cancer Hospital - Kolkata](#), we can continue to have the most up-to-date technology for treating patients.



SEE FOR YOURSELF

Winning over cancer is our final aim. At Apollo Cancer Centres, clinical teams come together as one to unlock our combined ability and deliver optimal cancer care. To know more, schedule a meet with our team of experts and learn more about our unique approach to cancer management. Empowering you and your cancer patients to win over cancer .



Apollo Cancer Centres has always been at the forefront in providing better clinical outcomes in cancer care, this is through the support of the medial fraternity and the expertise of our Oncology teams



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