



Wen Shen Looi
Singapore

Dr Looi Wen Shen is a radiation oncologist and is currently Head and Consultant at Proton Therapy SG, Singapore Advanced Medicine. He was formerly a Consultant at NCCS and Clinical Assistant Professor at Duke-NUS Medical School. He graduated from the National University of Singapore, Yong Loo Lin School of Medicine and trained as a radiation oncologist in National Cancer Centre Singapore. To further his interest in paediatric cancer, he completed a fellowship in paediatric and adult proton therapy at the University of Florida Proton Therapy Institute and was instrumental in kickstarting the paediatric proton therapy program at National Cancer Centre Singapore.

Topic: Intracranial Germ Cell Tumours: A Radiation Oncology Perspective

Intracranial germ cell tumours (GCTs) are extragonadal GCTs that arise within the central nervous system, primarily in midline locations such as the suprasellar and pineal regions. They primarily affect older children and young adults and are more common in East Asia. There are seven histologic subtypes, of which germinomas have the best prognosis and a treatment paradigm which differs from the other six subtypes that are referred to as nongerminomatous GCTs (NGGCTs). The treatment of intracranial GCTs involves surgery, chemotherapy, and radiation therapy, which has evolved in tandem with our understanding of GCTs. This talk will give an overview of contemporary radiation therapy treatment paradigms for both germinomas and NGGCTs.