



## **Dr. Daniel Tan Yat Harn**

Director

Senior Radiation Oncologist

MBBS (SIN), FRCR (CLINICAL ONCOLOGY, UK),  
FAMS (RADIATION ONCOLOGY), MBA  
(Healthcare Management)

Clinical Interest: Stereotactic Radiosurgery  
(SRS/SBRT) Brain and Spine, Breast and  
Prostate Cancers

Dr Daniel Tan Yat Harn is Director and Senior Radiation Oncologist at Asian Alliance Radiation & Oncology (AARO). Within the group, he specializes in the treatment of Central Nervous System tumours (Brain and Spine), Breast and Prostate Cancers.

His clinical expertise is in the use of stereotactic radiosurgery and stereotactic body radiation therapy (SRS/SBRT), a highly targeted and ablative radiation treatment to treat primary and metastatic tumours in only 1-5 sessions.

Dr Tan graduated from the National University of Singapore (NUS) in 2002 and was with the Division of Radiation Oncology at the National Cancer Centre Singapore (NCCS) from 2003-2015.

Dr Tan was trained in the National Cancer Centre Singapore (NCCS), as well as several international premier institutions, and rose through the ranks to become Consultant before leaving for Private Practice. During his stint in NCCS, he was co-chairman of the Neuro-Oncology Cancer Service Line Development workgroup and was also responsible for developing several Stereotactic Radiation Treatment Programs after his return from overseas training. The Spine, Prostate and Liver SRS/SBRT programs which he helped to develop in NCCS were the first in the region to offer these advanced treatments.

In 2008, Dr Tan received the Health Manpower Development Programme (HMDP) Award for Advanced Training in Clinical Oncology in the UK. He obtained his Fellowship in Clinical Oncology from the Royal College of Radiologists in the UK (FRCR) in 2011 and was admitted as a Fellow of the Academy of Medicine, Singapore (FAMS) in Radiation Oncology in 2012.

In 2012, Dr Tan received another HMDP Award to train in brachytherapy, stereotactic radiosurgery and stereotactic body radiation therapy (SRS/SBRT). His sub-specialty training with a focus on neurooncology was done at international premier centres, including Proton Therapy at University of Pennsylvania's Roberts Proton Therapy Center in USA, Spine Radiosurgery at Princess Margaret Hospital and Sunnybrook's Odette Cancer Centre in Toronto, Canada and Advanced Radiation Technologies at Tokyo Metropolitan Komagome Hospital in Japan.

Dr Tan was first trained by Dr Chua Eu Tiong in Brain Radiosurgery in NCCS. After learning Spine Radiosurgery under renowned expert Associate Professor Arjun Sahgal, he returned to establish the Novalis Spine Radiosurgery service in NCCS, the first of such a service in Singapore and the region.

Dr Tan also holds an MBA in Healthcare Management from NUS Business School as he believes that good medicine starts with good management. In 2015, Dr Tan founded AARO with the vision of providing access to personalized and quality cancer care to patients in Singapore and the region. Through AARO, he introduced sub-specialized radiation oncology services in the private sector, aligning with the practice of leading international cancer centres, where specialists devote their practice to specific cancers and procedures so as to achieve clinical excellence.

Dr Tan's passion for advancing cancer care has also led to his involvement in being consultant for cancer centres internationally, such as in China, Russia and Myanmar. He has collaborated with University of Pittsburgh Medical Centre (UPMC) as well as MD Anderson Cancer Centre (MDACC) to assist in the management and clinical supervision of radiation oncology units in Asia, helping to bring modern radiotherapy standards and advanced radiation technologies to the region.

Dr Tan's work has been presented at major international conferences such as ASTRO, ASCO, ISRS and he has written and published in research journals on the subjects of neuro-oncology, stereotactic radiosurgery (SRS) and stereotactic body radiation therapy (SBRT). He is also frequently invited to speak in regional meetings.

Dr Tan held the appointments of co-chairperson of the Neuro-Oncology Cancer Service Line Development workgroup as well as clinical lecturer at the Yong Loo Lin School of Medicine at NUS. He also served as an executive committee member of the Singapore Radiological Society and council member of the College of Radiology Singapore. He was the organizing chairman of their 24th Annual Scientific Meeting and the event RadiologyAsia 2015. He has also served as country lead for the International Atomic Energy Agency's (IAEA) Human Health Project 6065 on advancing the use of SBRT in the Asia-Pacific region and organized the first SBRT training course of this project in 2012, where participants from 11 countries were introduced to this advance technique.

Dr Tan is trained and well-versed with all modern radiation technologies including 3D conformal external beam radiotherapy (3D CRT), Intensity Modulated Radiation Therapy (IMRT), Image Guided Radiation Therapy (IGRT), Volumetric Arc Therapy (VMAT), Stereotactic Radiosurgery (SRS), Stereotactic Body Radiotherapy (SBRT), Accelerated Partial Breast Irradiation, and Deep Inspiration Breath Hold Radiotherapy. Armed with his technical knowledge, clinical experience and the latest scientific evidence, Dr Tan is able to offer customized treatment plans based on the individual patient's condition to achieve the best possible outcomes.