

32nd International Conference on
ONCOLOGY NURSING AND CANCER CARE
September 13-14, 2017 Singapore



Lee Khai Mun

Farrer Park Hospital, Singapore

Image Guided Radiation Therapy (IGRT): Real time, real target

Quality imaging has always been the prerequisite for successful Radiation Therapy (RT) as regards patient positioning and tumor localization. As RT is a multi-step process involving treatment planning and delivery over many sessions, potential errors at different stages can compromise treatment accuracy and precision. Image verification with IGRT is therefore critical for the effective delivery of RT especially in the era of Intensity Modulated Radiation Therapy (IMRT), Volumetric Arc Therapy (VMAT) and Stereotactic Radiosurgery/Radiation Therapy (SRS/SRT) where complex tumors are treated dose escalation and steep dose gradient. The geometric challenges encountered with tumors and organs that move during or between RT sessions further add to the need for IGRT to improve the therapeutic ratio of better tumor control with reduced side effects from RT.

Biography

Lee Khai Mun is a practicing Radiation Oncologist with at least 25 years of clinical experience. He received training previously both in the United Kingdom and the United States, he has also held Senior Clinical Leadership appointments in the national cancer centers in Singapore and still actively involved in professional and academic bodies in the field of radiation oncology.

leekhaimun@farrerpark.com

Notes: