

INTERNATIONAL RADIATION DOSIMETRY COMPETITIONS

Lung Tumor

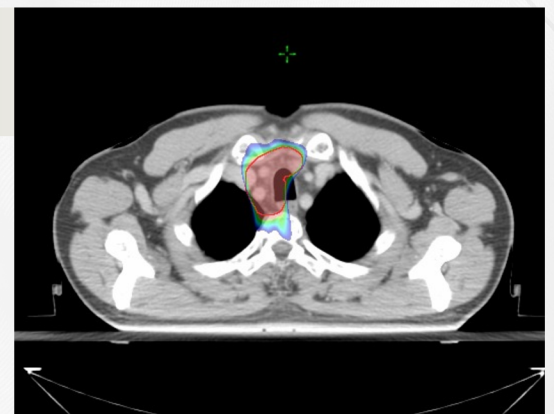
2019 INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA) PLAN COMPETITION: LUNG TUMOR

In June 2019, the International Atomic Energy Agency (IAEA) and Radiation knowledge held an international radiation therapy dosimetry competition. Medical professionals from around the world were invited to participate. The competition focused on computing a radiotherapy plan for a 58-year-old patient with stage IIIA squamous cell carcinoma in the right lower lung. The main difficulty was the tumor's proximity to vital structures such as heart and trachea, making the planning procedure complex and challenging.

The IAEA aimed to find an optimal treatment approach. The winning plans were published at the Radiation knowledge website to foster experience sharing and advance the dosimetry skills among professional teams around the world.

COMPETITION DETAILS

Type of Disease:	Locally advanced non-small cell lung cancer
Organization:	Radiation knowledge
Recognized by:	International Atomic Energy Agency, IAEA
Number of Participants:	1301 healthcare professionals
Result Announcement:	Radiation knowledge website on September 10th 2019



Ranking Obtained	Name	Total Score = 100
6	Gary K.Y. Tso	97.005
8	Matthew S.C. Yik	96.725
11	Alex K.L. Li	96.496
20	Philip C.Y. Mak	96.122

References:

- **GYN 50/45Gy (2018 ProKnow World Championship):**
<https://medicalaffairs.varian.com/VMATv1v2compare>
- **World Championships of Treatment Planning 2018:**
<https://www.elekta.com/products/radiation-therapy/proknow-news/world-championships-of-treatment-planning-update-2/>

