

INTERNATIONAL RADIATION DOSIMETRY COMPETITIONS

Cranio-spinal Irradiation with Prior XRT

2026 AMERICAN ASSOCIATION OF MEDICAL DOSIMETRISTS (AAMD) PLAN COMPETITION: CRANIOSPINAL IRRADIATION

In 2026, the American Association of Medical Dosimetrists (AAMD) and ProKnow 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 patient with cranio-spinal irradiation with previous radiation treatments. The main difficulty was the large target volume is proximal to the spinal cord and overlapping with previous radiation coverage, making the planning procedure complex and challenging.

The AAMD aimed to find an optimal treatment approach. The winning plans were published and presented at the AAMD annual meeting to foster experience sharing and advance the dosimetry skills among professional teams around the world.

COMPETITION DETAILS

Type of Disease:	CNS tumor & Cranio-spinal irradiation
Organization:	ProKnow
Recognized by:	American Association of Medical Dosimetrists, AAMD
Number of Participants:	Over 100 healthcare professionals
Result Announcement:	AAMD Annual Meeting Presentation on July 5th, 2026

Ranking Obtained (Photon Group)	Name	Total Score (150)
1	Gary K.Y. Tso	148.15
2	Alex K.L. Li	148.13



References

- **AAMD 51st Annual Meeting:**
<https://www.medicaldosimetry.org/meetings/aamd-51st-annual-meeting/>
- **ProKnow:**
<https://proknowsystems.com/planning/studies>

