



Special Track Session 13

Dosimetry Committee

Debate

Wednesday October 23, 08:00 - 09:30

Session Title

Voxel Dosimetry - Love It or Hate It?

Moderators

Steffie Peters (Nijmegen, Netherlands)

Jonathan Gear (London, UK)

Point of View: Love It!

Julia Brosch-Lenz (Munich, Germany)

Point of View: Hate It!

Johannes Tran-Gia (Würzburg, Germany)

Educational Objectives

1. Understand the differences between Voxel and Organ level Dosimetry
2. Appreciate the advantages and disadvantages of each method
3. Identify the appropriate situations and uses for each approach.

Summary

A Debate comparing the different approaches to dosimetry. Specifically comparing the advantages and disadvantages of Voxel and Organ level dosimetry. The Speakers will debate how each approach can be applied to different therapies and why they favor one method over the other. The panel will discuss pros and cons, including examples such as ease, speed, accuracy and flexibility and importance of interpretation will also be highlighted.

Key Words

Dosimetry; Voxel; S-values; Organ-level; MIRD; Convolution; Monte Carlo; Dose Volume Histogram