

Docket #: S02-228

Method of Monitor unit (MU) calculation for intensity modulated photon field

Researcher in Prof. Lei Xing's laboratory have developed an improved method for Monitor Unit ("MU") calculations in Intensity Modulated Radiation Therapy (IMRT). This approach provides a technique to use a multiple photon source model to compute head scatter and include the scatter contribution into IMRT point dose calculation. The algorithm can be used with related MU calculation technologies from the Xing lab (described in Stanford Dockets [S99-138](#) and [S00-170](#)).

Applications

- IMRT - to provide a simple and efficient method for MU calculation for intensity modulated beams

Advantages

- Improved accuracy - from including head scatter contribution

Innovators

- Lei Xing
- Yong Yang

Licensing Contact

Chris Tagge

Technology Licensing Program Manager

[Email](#)