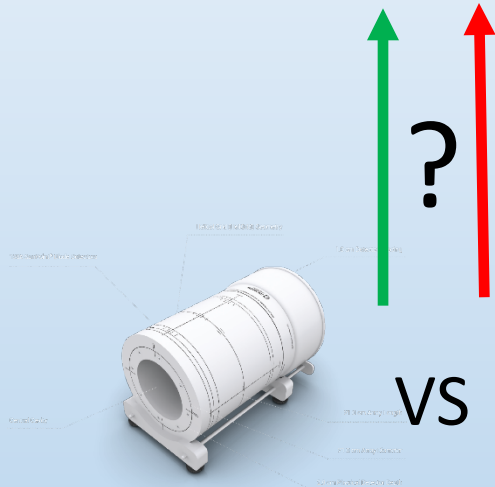
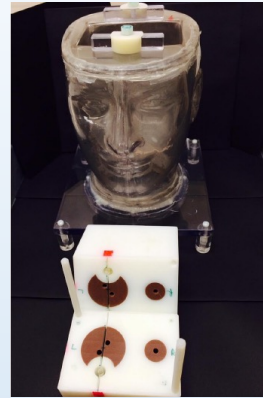
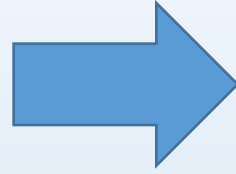


Independent recalculation outperforms traditional measurement-based IMRT QA methods in detecting unacceptable plans

Stephen F. Kry, PhD

Presented in: New QA and Dosimetry Techniques on Wednesday August 1<sup>st</sup>, 10:15-12:15 Karl Deal Ballroom A1

## Methods

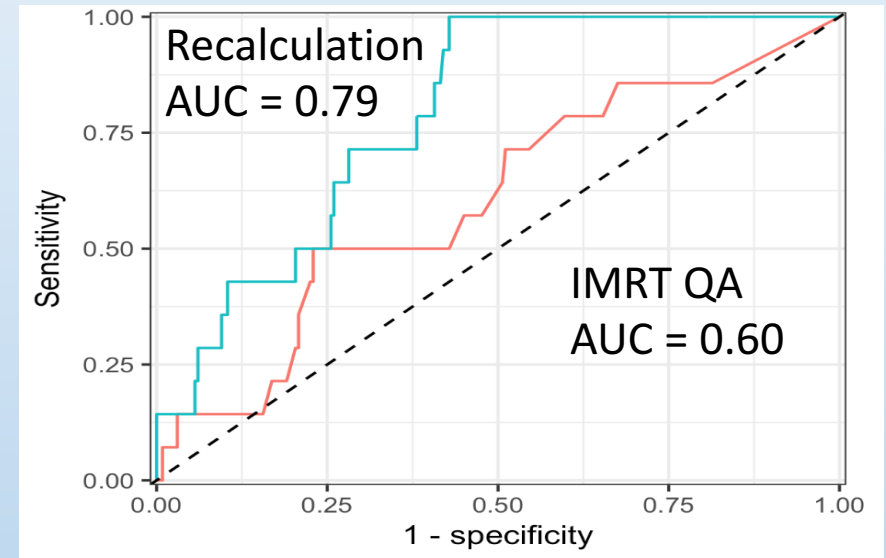


VS



## Results

For 337 cases	Sensitivity (%)
Measurement-based QA	6
Independent recalc	72



Traditional IMRT QA versus independent recalculation were compared to see which flagged unacceptable plans developed and delivered to IROC's head and neck phantom

The independent recalculation was 12 times better at detecting failing IROC phantoms when common clinical criteria were used. The recalculation was also superior over all criteria.