

Update on QRRO-ATC Efforts

Walter R. Bosch, D.Sc.

ATC Meeting

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QRRO-ATC Project

- Drs. Bosch and Matthews appointed to the QRRO *e-Data Committee* on Feb. 11, 2008.
- QRRO *e-Data Committee* chaired by Christopher Rose, M.D. and Phillip Devlin, M.D. (Vice-Chair)

QRRO Prostate Seed Implant Project

- Summary
 - Gather 150 post-implant prostate seed plans from 15 centers
 - Dose-Volume Analysis
 - Target: V100, V150, D90
 - Rectum: Davg, Dmax
 - Urethra: Davg, Dmax
 - No dose recalculation or seed localization anticipated.

QRRO-ATC Project

- Suggested workflow:
 - Institutions submit brachy seed plan data (CTs, Structures, Doses, Plans) to ITC SFTP server (or on CD media)
 - ITC imports datasets into QuASA²R for DDIQA, including DVH re-calculation (modest effort for brachy seed plans)
 - Referee physician to evaluate / re-contour prostate using RRT
 - Dose-volume statistics calculated using ITC DVH analysis scripts (like those used for RTOG studies)

QRRO-ATC Project Status

- ITC has received and processed a phantom dataset submitted via SFTP by Dr. Devlin
- RRT accounts have been created for Drs. Devlin and Zelefsky to evaluate effectiveness of ITC tools for data review and analysis.