**AAPM Brachytherapy Subcommittee Report to TPC**

**April 17, 2012**

Subcommittee BTSC

Liaisons ABS + ESTRO

Working Groups Special Low-E High-E Robotics Registry Model

Task Groups 129, 143, 182, 221, 222 167 192 186

Chairs and Liaisons

Brachytherapy Subcommittee (BTSC), Larry DeWerd, chair

Zoubir Ouhib, Vice chair, and American Brachytherapy Society (ABS) liaison,

Special Brachytherapy Modalities working group (SBM), Ravinder Nath

Low-Energy Brachytherapy Source Dosimetry working group (LEBD), Chris Melhus

High-Energy Brachytherapy Source Dosimetry working group (HEBD), Jose Perez-Calatayud

Robotic Brachytherapy working group (Robotics), Bruce Thomadsen and Yan Yu

Brachytherapy Source Registry working group (BSR), Mark Rivard

Model Based Dose Calculations working group (MBDC), Luc Beaulieu

TG-129 Eye plaque dosimetry, Sou-Tung Chiu-Tsao

TG-143 Dosimetry for elongated brachytherapy sources, Ravi Nath and Mark Rivard

TG-182 Electronic brachytherapy quality management, Bruce Thomadsen

TG-221 Ocular brachytherapy, Christopher Melhus and Rowan Thomson

TG-222 Operative interstitial lung brachytherapy, Cynthia Thomason

TG-167 Investigational brachytherapy source recommendations, Ravinder Nath

TG-192 Image-guided robotic brachytherapy, Tarun Podder

TG-186 Model-based brachytherapy dosimetry techniques, Luc Beaulieu

European Society for Therapeutic Radiology & Oncology (ESTRO) BRAPHYQS Subcommittee, Jack Venselaar

**Special Brachytherapy Modalities working group**

1. TG-129: Report has been submitted to TPC where Chet Reft is lead reviewer.
2. TG-143: Report structure has been changed based on mtg during AAPM11. Nath to have new report outline ready and rewriting the completed sections. Will present to Working Group with intent of presenting to BTSC at AAPM12.
3. TG-182: Draft to be ready at AAPM12 for WG. Afterwards will present to BTSC.
4. TG-221: TG had conference call. Getting started
5. TG-222 TG had conference call. Getting started

**Low Energy Brachytherapy Dosimetry working group: New Chair Chris Melhus**

TG-167 report discussed in conference calls; it is close to completion. Hope to present to BTSC at AAPM12

Worked on TG 43 U2, concensus data sets. Writing up to finalize by AAPM12

**High Energy Brachytherapy Dosimetry working group**

HEBD report has been accepted by Medical Physics.

**Robotic Brachytherapy working group**

TG-192 prepared a new version and should be ready for review by BTSC at AAPM 12

**Brachytherapy Registry working group**

Application for a new 125I seed is under review for consideration to post on the joint AAPM/RPC online Registry.

**Model-based Brachytherapy working group**

TG-186 is a joint AAPM/ESTRO/ABS report. It has been accepted by TPC.

The 2012 ABS school, March 15-17 on Quality Management for Brachytherapy was a success (Phoenix).

The 2012 World Congress on Brachytherapy is scheduled for May 9-12 with ESTRO (Barcelona, SPAIN).

<http://www.estro-events.org/Pages/WCB2012.aspx>