TDSC report to TPC, Spring meeting, Houston 2012

Timothy Zhu, Chair

Lei Dong, Vice Chair

1. TDSC activities:

(1). Change to membership: new Chair and Vice Chair (Tim Zhu, Lei Dong) started this year. In addition, four new members have been added (Jay W Burmeister, Siyong Kim, Harald Paganetti, Kamil M Yenice).

(2). TG140 (Absolute Calibration of light power and fluence rate of PDT) was approved by TPC during last ASTRO meeting and is just submitted to Med Phys Journal. It is currently waiting for review. (A reminder for TPC Chair: AE reviewer was suggested as Charles J. Gomer per James Galvin, past TDSC Chair, and other reviewers Jun Li (TDSC reviewer) and Brian Wilson (outsider reviewer).)

1. WGPB summary of activities – Indra Das, Chair, Ron Zhu, Vice Chair.

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| **Task group** | **Chair** | **Date started** | **End date** | **Comments** |
| TG-156 | Wayne Newhauser | 8/9/2007 | 4/30/2010 | No progress, no report, No response, needs to be discontinued |
| TG-183 | Richard Maughan | 11/6/2008 | 12/31/2010 | No progress, no report, No response, needs to be discontinued |
| TG-185 | Jonathan Farr | 12/08/2008 | 12/31/2010 | First face to face meeting in Vancouver. Not much progress. Promised a report by annual meeting, 2012 |
| TG-202 | Michael Moyers | 5/11/2010 | 12/31/2013 | Some sections written. Draft will be available by annual meeting in 2012 |
| TG-224 | Bijan Arjomandy | 1/17/2012 |  | Just formed. Will be updated by annual meeting 2012 |

(1). Change to membership: Richard Maughan’s term is done and new Chair and Vice Chair (Indra Das, Ron Zhu) started this year.

(2). Task Group Status:

(i) There is no progress report from TG156 – Reference Dosimetry and Patient-Specific Field Calibration for Passively Scattered Proton Therapy Beams (Aug 9 2007) and TG183 Nomenclature, Specifications, Safety Requirements and Acceptance Procedure for Proton Radiation Therapy Systems (Nov 6 2008). Action item: Needs to discuss the sunset status of these two taskgroup.

(ii) TG-185 Clinical Commissioning of Proton Therapy Systems: At the annual meeting in 2011 TG185 was granted its first extension to July 2013 by WGPB. The Chair (Farr) promises to produce a draft report by annual meeting 2012.

1. WGIMRT summary of activities – Ying Xiao, chair, Bill J Salter, Vice Chair

(1). A white paper entitled “IMRT-Relevant Quality Assurance Tests for the MLC” was approved by TDSC last year. This document is produced by a committee of selected members of the AAPM IMRT Working Group. This compiles a list of quality assurance tests suggested for the Multileaf Collimator (MLC) which are relevant to Intensity Modulated Radiation Therapy (IMRT). A draft report is written and is currently under author review.

  (2). A white paper entitled “A Report on Flattening Filter Free c-arm Linear Accelerators” was approved by Therapy Emerging Technology Assessment Work Group and Chaired by Ying Xiao. The purpose of the report is to develop and disseminate a report aimed primarily at practicing medical physicists that describes the current flattening filter free linear (FFF) accelerator technology. A draft report is written and is currently under author review.

(3) WGIMRT is considering a potential white paper or TG on VMAT QA. They would like to start a survey to AAPM membership. The survey is reviewed and approved by WGIMRT. TDSC reviewed the survey and questions raised are addressed by the revision. Action item: Would like to get TPC approval for general submission.