## Radiation Dosimetry and Treatment Planning Subcommittee

**REPORT to TPC**

04/12/12  
Dimitris Mihailidis-Chair

**Spring Meeting, 2012**  
RPC Houston

The SC has 9 Members

### Radiation Dosimetry and Treatment Planning SC - ACTION ITEMS

<table>
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<tr>
<th>Task Group</th>
<th>Title</th>
<th>Parent WG/SC</th>
<th>Chair</th>
<th>Date approved</th>
<th>Sunset date</th>
<th>Status</th>
<th>Action items</th>
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<tr>
<td>TG155</td>
<td>Small field dosimetry and non-equilibrium condition dosimetry</td>
<td>WGRD/RDSC</td>
<td>I. Das</td>
<td>8/9/07</td>
<td>12/31/08</td>
<td>Active</td>
<td>Extension till 12/31/12</td>
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<tr>
<td>TG157</td>
<td>Commissioning of beam models in Monte Carlo-based clinical treatment planning</td>
<td>WGRD/RDSC</td>
<td>C. Ma</td>
<td>8/9/207</td>
<td>12/31/08</td>
<td>Active</td>
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<td>TG174</td>
<td>Utilization of 18F-Fluorodeoxy glucose Positron Emission Tomography (FDG-PET) in Radiation Therapy</td>
<td>WGRD/RDSC</td>
<td>S. Das</td>
<td>5/12/08</td>
<td>12/31/11</td>
<td>Active</td>
<td>Extension till 12/31/12</td>
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<tr>
<td>TG191</td>
<td>AAPM Recommendations on the Clinical Use of Luminescent Dosimeters</td>
<td>WGRD/RDSC</td>
<td>S. Kry</td>
<td>9/21/09</td>
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<td>TG203</td>
<td>Management of radiotherapy patients with implanted cardiac pacemakers and defibrillators</td>
<td>WGRD/ RDSC</td>
<td>D. Mihailidi s/M. Miften</td>
<td>5/11/10</td>
<td>12/31/11</td>
<td>Active</td>
<td>Extension 12/31/2013</td>
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1) WG in Treatment Planning (D. Followill)

Active TGs:

a) TG71 (MU calculations-J. Gibbons)

b) TG157 (commis of MC based TP systems-C. Ma)
   Reviewable draft to be distributed before AAPM meeting.

c) TG174 (PET for TP-S. Das)
   The chair of the TG has difficulty getting contributions of revisions from member/writers. Other progress on the existing draft were made.

d) TG176 (TP devices-A. Olch)
   First draft under review by WGTP.

e) Report (White Paper) (Treatment planning based on CBCT- Sua Yoo)
   A revised draft under preparation based on comments by WGRD and RDSC reviews.
   Reviewers: M. Miften, P. Xia. G. Mageras (Lead Reviewer).

f) TG-219 (Independent Dose and MU Verification for IMRT Patient Specific Quality Assurance- T. Zhu and S. Stathakis)
   Members are under preparation of their sections.
2) WG in Radiation Dosimetry (C. Reft)

**Active TGs:**

a) **TG155** (small field dosimetry-I. Das)
   v24 was reviewed by RDSC and comments were sent to Lead reviewer for evaluation.
   **Reviewers:** J. Lowenstein, N. Papanikolaou. *J. Moran (Lead Reviewer).*

b) **TG-191** (Clinical use of luminescent dosimeters-S. Kry)
   Had a face-to-face meeting, great progress a draft will be ready soon for review.

c) **TG-203** (Management of patients with pacemakers and defibrillators- M. Miften & D. Mihailidis)
   Members are working on an updated draft.

**NEW PROPOSALS:**

1) 3D dosimetry using optical CT (*M. Oldham*).
   Approved by WGRD. Most of WGRD members believe that the technology is new and a “special” report/paper with a quick turn-around time might be more appropriate than a full length TG.

2) Radiochromic Film Dosimetry: An Update to TG-55 (*Sou-Tung Chiu-Tsao*)
   The proposal was approved by RDSC ready to move to TPC.

**RDSC other items:**

Accepted proposals for AAPM 2013 Practical Medical Physics Track:

1) Multivendor IGRT/SBRT (session chair: D. Mihailidis, speakers: D. Mihailidis, O. Gayou, T. Djemil)
2) Implanted Cardiac Devices (session chair: D. Mihailidis, speakers: D. Mihailidis, C. Reft, C. Hurkmans)