Particle Therapy Working Group update

A/Prof. Scott Crowe, ACPSEM Professional Standards Board Chair
Particle Therapy Working Group

Nationwide collaboration
- Medical physics representatives from each state branch of the ACPSEM (including each of the collaborative network sites).
- Representatives from ARPANSA and ANSTO.
- Teleconference meetings every 2 months.
- Subcommittees formed to address topics shown in figure.
Reference dosimetry
- Working closely with ARPANSA to ensure:
  - Primary monitor unit calibration will be performed accurately;
  - Dosimetric auditing prior to first treatments and ongoing auditing in place.

Radiation safety
- Reviewing state regulations.
- Plan to make a submission to ARPANSA to include particle therapy specific aspects in update to RPS 14.3.
Particle Therapy Working Group

Education, Training and Certification

- Plan to review radiation oncology clinical training to provide more background for new trainees in proton therapy dosimetry and treatment planning.
- Aim to have all graduates of program capable of providing advice e.g. concerning national referral pathways.
- Plan to develop training recommendations for post-certification physicists to be undertaken at clinically operational facilities.
Particle Therapy Working Group

Quality Assurance and Commissioning
- Observer member of European Particle Therapy Network working party.
- Awaiting release of several key international recommendations (i.e. AAPM, EPTN) that will shape our work activities.

Patient Selection and Data Analytics
- Awaiting outcome of MSAC 1455 submission.
- Awaiting outcome of MRFF research grant submission.