



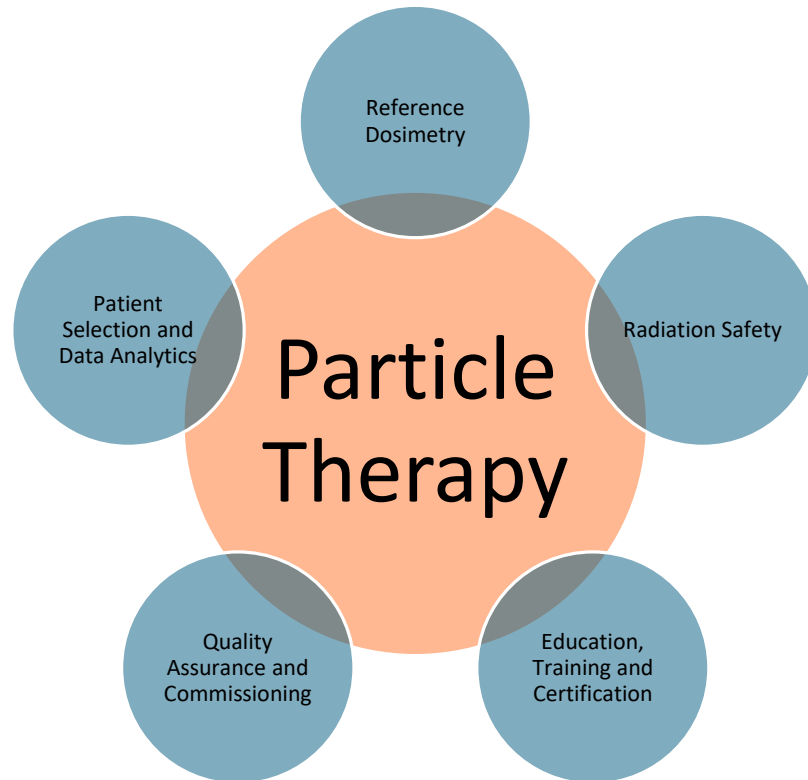
A C P S E M

Australasian College of Physical
Scientists & Engineers in Medicine

Particle Therapy Working Group update

A/Prof. Scott Crowe, ACPSEM Professional Standards Board Chair

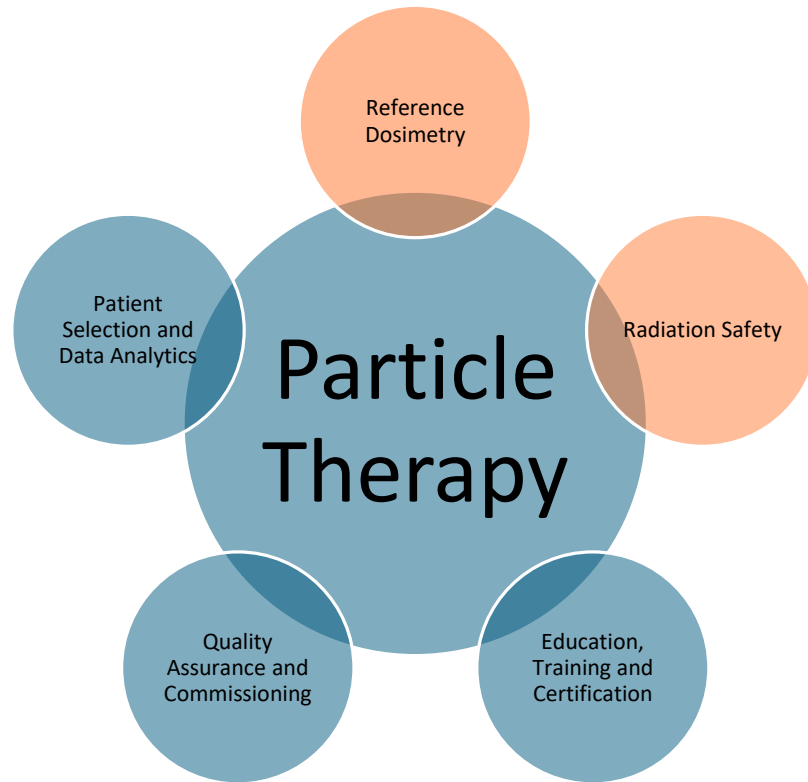
Particle Therapy Working Group



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.

Particle Therapy Working Group



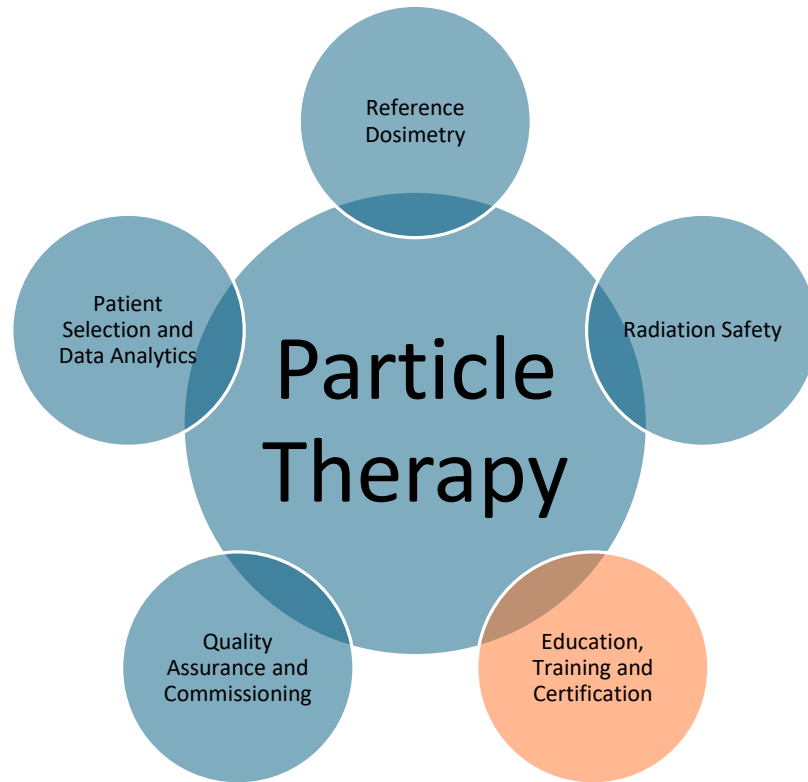
Reference dosimetry

- 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.

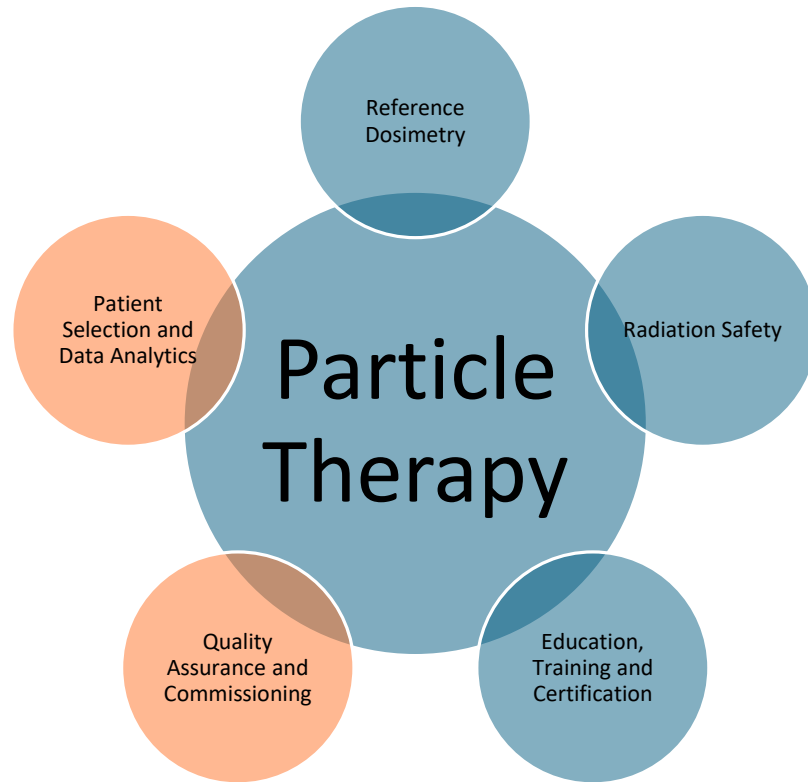
Particle Therapy Working Group



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.