



## Medical Radiation Sciences Radiation Therapy Clinical Practice 2

### Information for Clinical Mentors

12<sup>th</sup> April – 30<sup>th</sup> April 2021 (Block CP2 A)

This group of 3<sup>rd</sup> year students have gained 2 days of clinical practice in their 1st year observation placement (September 2019) and 9 days Clinical Practice 1 placement in December 2020 (reduced from the scheduled 5 weeks due to Covid restrictions).

The months prior to this Clinical Practice 2A placement, the students have covered the following theory:

#### **RT Studies 3:**

- Skin, Brain, GI tract, Lung, & Pancreas sites. Non-malignant conditions and care of radiation injury. Continued planning development Brain, Oesophagus, Pancreas, Lung and Breast sites. SABR and SRS techniques theory. Practical sessions: SXR land marking, calculations, cut-out manufacture and set-up; cast making for different baselines, brain and oesophagus CT simulation, treatment charts and intro to planar image matching (Pelvis and Brain).

Following the completion of the 3-week Clinical Practice 2A placement the students will commence **CT & PET** and **RT Studies 4** theory courses and the material will include:

- **CT & PET:** image evaluation, procedural protocols principles of co-registration, image quality, artefacts post processing and QA. CT/sim protocols, basic procedures and QA, image manipulation for planning prep, image fusion and contrast.
- **RT Studies 4:** Head and Neck techniques, Blood Borne disease sites, lymphomas, paediatric malignancies. Practical Sessions: electron data and dummy runs, Head and Neck sim and treatment image matching (Thorax and Head and Neck), QA program development, TBI & CSI setup. Planning includes: ICRU 62&71, electron breast boosts, step and shoot, IMRT H&N, bolus, TCP/NTCP evaluation.

#### **Expectations of students for the CP2a clinical placement (Total 3 weeks):**

- The main objective of the placement is to continue to participate in radiation therapy procedures which give the student an opportunity to apply what they have learnt.
- There is **(1) treatment competency, (1) simulation participation, (1) planning participation, (1) imaging participation** to be recorded.
- In the student's clinical workbook there are a number of formative reports which require the student to reflect on their week, prior to their mentor completing the assessment.
- Once the student has completed the reflection, the clinical summative report is to be completed by the **Clinical Supervisor in the clinical department** in collaboration with the mentors involved with that student during their placements.
- It is expected that students gain a satisfactory level of achievement (3's) for all attributes in Domain 3 and 4.2 (treatment) of the summative report. Requires improvement to progress (2's) is acceptable for all attributes in Domain 1, 2, and 4.2 (planning and Sim/CT). Satisfactory level of achievement for all attributes in Domain 5 and 6.
- There **is** the expectation that students will exhibit **safe practice** and **professional behaviour**.