Computed Tomography (CT): Staging and Screening

This module aims to develop an understanding of CT science, technology, safety and imaging techniques, as applied to imaging of the CT patient presenting to diagnose chronic conditions, malignancy, staging of cancer, response to treatment and screening programmes.

Credits: 30 credit points at level 7 (masters level)

Jordanstown campus
Attendance
Thursday 17 September and Friday 18 September 2015 from 9.15 am in room 1B121, Jordanstown

Who should attend?
Radiographers from Band 5 who, with the agreement of their clinical manager, are required to spend at least 40% of their workload in CT. It is imperative that you have this agreement in order to support the associated clinical practice requirement.

It is a prerequisite that you have undertaken the CT essentials module or equivalent before taking this module

Course content
This module will provide essential information required for scanning the head, cervical spine, chest, abdomen and pelvis including:
CT anatomy and pathology, Technology/Equipment, Health and Safety/Radiation protection and legislation, Image quality/dose/quality assurance, Image Parameter Selection, CT screening programmes and pre-surgical planning, CT contrast media during malignancy detection and on-going follow up, CT for chronic disorders and diseases, CT colonography including patient preparation, CT in orthopaedics, CT workstations and 3D imaging, CT applications, CT guidelines

Assessment
100% Coursework
You must achieve a pass in all components of coursework.

Case Study (100%)
A case study to represent the complex clinical experiences to which you have been exposed. A pro-forma for presenting each case study will be provided (3000 words).

A Record of Clinical Practice (Pass/Fail): collated throughout the duration of the module, reflecting a broad range of experience in CT imaging. A pro-forma for the presentation of this record will be provided. A total of 60 examinations will be recorded, for which you will have been the lead practitioner of at least 60%. It will be a requirement that the clinical mentor signs off on the record of clinical practice. Failure to submit the required number of examinations will result in automatic failure of the module.

Reflection (Pass/Fail):
You will be expected to produce a short piece of work reflecting on the learning achieved and how this has impacted on your patient/client interaction (500 words).

Further information
Module/Course Co-ordinator – Dr John Cathcart j.cathcart@ulster.ac.uk
Module Code – RAD818   CRN-9899
w: science.ulster.ac.uk/health

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