Clinical applications of magnetic resonance imaging 1 – brain, spine and musculoskeletal system

Course code: 7AHP0203  Semester: A
Level: 7  Credit: 15

Who should attend this course?
This course is for health care professionals working in MRI. The course can be taken as a standalone module or as part of a postgraduate award. If you take this course as part of a postgraduate award you need to be a qualified radiographer and have a degree or equivalent.

Course aims
The aim of this course is to explore the applications of non-specialist clinical MRI to the brain, spine and musculoskeletal system.

Course content
This course covers the clinical applications of MRI to the brain, spine and musculoskeletal system. Scans of these areas have long been standard areas of MRI practice and are routinely carried out by new MRI practitioners. You apply the technical principles of MRI to meet the clinical situation, maximising scan quality and providing imaging to enable a satisfactory diagnosis. You also cover typical disease presentations and place MRI within the broader context of other diagnostic imaging methods.

The course content includes scan protocols and procedures for MRI of the brain, spine and musculoskeletal system. The musculoskeletal system here is understood to include frequently MR-imaged joints such as the hip, knee, ankle, shoulder, elbow and wrist, together with soft tissues. In addition, you consider the adaptation of scan technique, where appropriate, to meet the needs of specific patient groups.

You study normal and abnormal image appearances for the anatomical areas highlighted above, with discussion of relevant common pathologies. There is also consideration of use of contrast enhancement, safety and risk-benefit, alternative imaging investigations, referral pathways, diagnostic effectiveness and image quality issues.

How does this course map the NHS KSF?
This course contributes to the development of knowledge and understanding for Core dimensions 2, 3, 4 and 5.

Assessment
The assessment consists of a written assignment.

Where is the course taught and by whom?
The course is facilitated by Martin Vosper (course leader) and involves both University and external lecturers. Classes take place at College Lane campus in Hatfield. Teaching consists of a combination of lectures, tutorials and small group seminars/workshops.

Computer equipment requirement
Delivery of the course incorporates blended learning which aims to combine e-learning activities with campus based learning. You need to have access to a suitable personal computer and a good reliable Internet connection (broadband recommended). Most modern PCs or Macs (less than 3 years old) should be suitable. If you have any queries or need any additional support with IT skills, the School employs an e-learning technologist who will be pleased to help and advise you.

Cost
To find out information about the fees visit go.herts.ac.uk/cpdfees

Contract funding for NHS staff
The University is contracted by the NHS to provide post-registration education/CPD and training for its health professionals. If you are an NHS employee contact the senior manager responsible for post-registration education/CPD in your Trust to check if the course you wish to attend can be supported by the Trust's contract with our University.

When does this course run?
This is a 5-day course during the weeks commencing:
- 14th October 2013
- 18th November 2013

Course enquiries
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Booking Enquiries
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