

**advanced
MRI course:
refresher
neuro
abdomen
pelvis
msk
breast &
oncology.**

4 days theory
1 day hands-on
March 26-30 2012

Accreditation by
cpd now
the College of Radiographers

NUMBER OF PARTICIPANTS | theoretical component: number of participants is limited | **hands-on training:** subgroups of 4 participants.

5 DAYS (ACCREDITED)

OBJECTIVES | **refresher component:** participants supplement and deepen their theoretical and state-of-the-art knowledge of various aspects relating to MRI specialisations | **advanced component:** various aspects relating to advanced brain imaging, abdominal and orthopaedic protocols, breast and oncology imaging.

CONTENT | **refresher component:** short review of basics, overview of MR RF pulse sequences, MRI features: MRA-MRC- fMRI-DWI- DTI- spectroscopy-fat and water suppression techniques, key MR parameters, artifacts, parallel imaging techniques, interactive quiz | **brain component:** perfusion, diffusion, fMRI, vascular, spectroscopy | **abdominal – pelvic component:** pathologies, contrast behaviour, RF sequences, support techniques, artifacts, contrast agencies, protocol handling | **Musculoskeletal component:** why MRI; coils and positioning; protocol optimisation and contrast behaviour; RF sequences with the help of shoulder images; suggestion for shoulder protocol; open/closed systems; kinematic and dynamics; use of GADO: arthrography-i.v., fat suppression techniques, parallel imaging, artifacts, visualisation of bone, cartilage, muscles, ligaments, soft tissue and fluid (with the help of hip/knee/wrist images); MRI advanced: sports medicine; quantitative cartilage imaging and UTE | **breast component:** Main MR “breast players”, MRM state of the art, used RF pulse sequences and support techniques, set up of protocols, post-processing, biopsy | **Oncology component:** Whole body imaging, diffusion imaging, perfusion prostate imaging.

COST | £275 per day

LOCATION | Mansion House, 3 Bridgewater Embankment, (Manchester Road) Altrincham, Cheshire WA14 4RW T: 0161 929 5679

REGISTRATION FORMS | wilma@emric.fr