Hands-on training course in prostate MRI reading for urologists

Room: Meeting room 9  
Date: Saturday 18 January 2020  
Chair: C. Moore, London (GB)

Faculty:  
J. Barentsz, Nijmegen (NL)  
L. Budaeus, Hamburg (DE)  
V. Panebianco, Rome (IT)

09.00 – 09.15  Lecture: The importance of prostate MRI to the Urologist Overview of the course  
C. Moore, London (GB)

09.15 – 09.45  Lecture: Introduction to MRI sequences, scoring systems, PI-RADS  
J. Barentsz, Nijmegen (NL)

09.45 – 10.15  What to look for?: Interactive case discussion – reporting MRI using PI-RADS  
V. Panebianco, Rome (IT)

10.15 – 10.20  Introduction to the MIM software for MRI interpretation  
C. Moore, London (GB)

10.20 – 10.50  Assessment: Hands-on baseline assessment of MRI interpretation  
Supervised by all faculty

10.50 – 11.20  Review of assessment scans  
J. Barentsz, Nijmegen (NL)

11.20 – 11.50  Assessment: Hands-on baseline assessment of MRI interpretation  
Supervised by all faculty

11.50 – 12.20  Review of assessment scans  
L. Budaeus, Hamburg (DE)

12.20 – 12.30  Closure

Aims and objectives

This course will provide interactive teaching from expert faculty in prostate MRI interpretation and help urologists to understand the role MRI plays in the management of patients with prostate cancer.

- To understand how to use an imaging workstation  
  - How to display a patient’s scans  
  - How to split windows and pull up 4 images at once  
  - How to measure distances

- To understand the basic concepts/principles behind different MRI sequences
To understand how to use the Likert scoring system to score MRIs
  o To understand briefly what features would lead to different Likert scores
To understand how to use the PIRADSv2 scoring system to score MRIs
  o To understand the difference between Likert and PIRADs scoring
  o To understand briefly what features would lead to different PIRADsv2 scores
To understand which order to view the different sequences when interpreting prostate MRI
To understand how to use the scoring proforma to score a prostate MRI
To understand what are the standards for a prostate MRI and what quality criteria need to be fulfilled.

Assessment: Hand-on baseline assessment of MRI interpretation Part 1 workstation
To be able to use a workstation to look through prostate MRI
  • To be able to identify the different sequences on prostate MRI
  • To practice scoring prostate MRI
  • To understand the important reporting features of prostate MRI

Lecture: Tips and tricks for difficult areas in prostate MRI and limitations of prostate MRI
  • To understand areas of difficulty in the prostate when assessing prostate MRI
  • To be able to differentiate between normal and abnormal tissue in these difficult areas