

## 6th ESUR Teaching Course on Prostate MRI, Berlin 2016

**Friday, June 10, 2016**

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| 8:00 am          | <b>Registration</b>  |
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| 8:45 am          | <b>Welcome Address</b> B. Hamm and H. Thoeny   |
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| 9:00 – 10:20 am  | <b>Session 1</b><br><b>"ABC of the Prostate and mp-MRI: How We Do It (Part I)"</b><br>Moderator: H. Thoeny |
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| 20 min           | Prostate Anatomy, Metabolism and Function (Normal Prostate and BPH)<br>G. Villeirs                         |
| 15 min           | Examination Techniques, Imaging Protocols and Patient Preparation<br>P. Asbach (Berlin)                    |
| 15 min           | Functional/Morphologic Imaging: DWI (Including which b-Values are Needed)<br>S. Hirsch/M. Taupitz (Berlin) |
| 15 min           | Functional Imaging: Dynamic Contrast-enhanced MRI<br>T. Franiel (Jena)                                     |
| 15 min           | Questions  |
| 10:20 – 11.00 am | <b>Coffee Break</b>  |

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| 11:00 – 12:30 am | <b>Session 2</b><br><b>"Mp-MRI: How We Do It (Part II)"</b><br>Moderator: V. Løgager                          |
| 20 min           | PI-RADS version 2.0<br>H. Thoeny  |
| 20 min           | Detection of Prostate Cancer (Including Assessment of Aggressiveness)<br>J. Richenberg                        |
| 15 min           | T2 Mimics of Prostate Cancer: Peripheral Zone and the Nightmare of BPH<br>J. Vilanova                         |
| 15 min           | Pitfalls of mp-MRI of the Prostate<br>V. Panebianco   |
| 20 min           | Questions   |
| 12:30 – 1:30 pm  | <b>Lunch</b>  |
| 1:30 – 2:30 pm   | <b>Hands-on Workshops I (Basic)</b><br><b>Team Charité</b><br>P. Asbach, A. Baur, M. Haas, B. Hamm, M. Wagner |
| 2:30 – 3:30 pm   | <b>Hands-on Workshops II (Intermediate)</b><br>A. Baur, M. Haas, V. Løgager, V. Panebianco, H. Thoeny         |
| 3:30 – 4:00 pm   | <b>Coffee Break</b>   |

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| 4:00 – 5:00 pm | <b>Session 3</b><br><b>"MRI of the Prostate: Detection and Beyond"</b><br>Moderator: J. Vilanova                                    |
| 15 min         | Local Staging<br>G. Villeirs  |
| 10 min         | Nodal Staging<br>H. Thoeny  |
| total: 15 min  | Emerging Techniques <ul style="list-style-type: none"> <li>- MR Elastography P. Asbach</li> <li>- Radiomics T. Penzkofer</li> </ul> |
| 15 min         | Questions   |
|                | <i>Walking over to hands-on workshop rooms</i>  |
| 5:00 – 6:00 pm | <b>Hands-on Workshops (Advanced)</b><br>P. Asbach, F. Cornud, B. Hamm, J. Vilanova, G. Villeirs                                     |
| 6:00 – 8:00 pm | Cases for self-study available  |

**Saturday, June 11, 2016**

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| 9:00 – 10:50 am  | <b>Session 4</b><br><b>"Prostate MRI in the Clinical Scenario"</b><br>Moderators: B. Hamm and V. Panebianco |
| 20 min           | Prostate Cancer: Clinical Needs that Can be Addressed with Imaging<br>J. Busch                              |
| 30 min           | Histopathology: What the Radiologist Needs to Know and Challenges with the Gleason Score<br>G. Sauter       |
| 20 min           | How Can mp-MRI Change the Management of Prostate Cancer?<br>A. Padhani                                      |
| 15 min           | PI-RADS version 3.0: What Next?<br>J. Barentsz  |
| 25 min           | Discussion  |
| 10:50 – 11:30 am | <b>Coffee Break</b>   |

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| 11:30 am<br>– 1:00 pm | <b>Session 5</b><br><b>"Mp-MRI of the Prostate: Lots of Challenges"</b><br>Moderators: J. Richenberg and H. Thoeny  |
| 20 min                | Sense and Nonsense of DCE and MRSI<br>G. Villeirs   |
| 15 min                | Cutting Edge Techniques: Multiple and High b-Value DWI, IVIM, ADC, Kurtosis<br>H.-P. Schlemmer  |
| 10 min                | Discussion  |
| 45 min                | <b>Discussion Round 1</b><br>Moderator: J. Richenberg<br><u>Topic 1</u> : Dynamic Contrast MRI Should be Used in All Men Undergoing mp-MRI for Prostate Cancer Detection<br>Pro: V. Panebianco and A. Padhani    Contra: F. Cornud and J. Vilanova<br><i>(e.g., 3 min each 1<sup>st</sup> round and then 2 min each 2<sup>nd</sup> round (20 min), vote = 25 min)</i><br><br><u>Topic 2</u> : PI-RADS 2 is a Fancy Radiological Construct but not a Practical Clinical Tool<br>Yes: H.-P. Schlemmer and H. Thoeny    No: J. Barentsz and G. Villiers<br><i>(e.g., 4 min each (16 min), vote = 20 min)</i> |
| 1:00 – 2:00 pm        | <b>Lunch</b>  |
| 2:00 – 3:20 pm        | <b>Session 6</b><br><b>"Image or Tissue: What First?"</b><br>Moderators: H. Cash and F. Cornud  |
| 20 min                | MRI as First-Line Test before Prostate Biopsy<br>B. Hamm  |
| 15 min                | Mp-MRI: Influence on Biopsy Patterns and Techniques<br>J. Richenberg  |
| total: 30 min         | How we Do it: (10 min for each presentation)<br>- MR-guided Biopsy    A. Baur<br>- MR-US Fusion Biopsy    Th. Fischer<br>- Comment: F. Cornud   |
| 15 min                | Discussion  |
| 3:20 – 4:00 pm        | <b>Coffee Break</b>   |

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| 4:00 – 4:30 pm | <b>Discussion Round 2</b><br>Moderator: A. Padhani<br>Topic 3: Image-guided Biopsy: Targeted Biopsy only - or - in Combination with Systematic Biopsy?<br>Only: G. Sauter      In combination: H. Cash<br><i>(e.g., 7 min each plus discussion)</i> |
| 4:30 – 6:30 pm | <b>Session 7</b><br><b>"Mp-MRI Beyond Disease Detection"</b><br>Moderators: J. Vilanova and G. Villeirs   |
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| 30 min         | The Role of MRI in Focal Therapy <ul style="list-style-type: none"> <li>- Update and MR-guided Focussed Ultrasound (MRgFUS) (20 min) H. Ahmed</li> <li>- Neither Heat Nor Cold: Irreversible Electroporation (IRE) (10 min) Th. Fischer</li> </ul>  |
| 25 min         | MRI in Recurrence Detection <ul style="list-style-type: none"> <li>- After Radical Prostatectomy (10 min) H. Thoeny</li> <li>- After Radiotherapy and under Hormone Therapy (15 min) V. Panebianco</li> </ul>                                       |
| 15 min         | MRI in Active Surveillance: When and How?<br>J. Richenberg  |
| 15 min         | Imaging Follow-up: Advanced Disease in Light of New Second- and Third-Line Therapies<br>A. Padhani  |
| 20 min         | PSMA-PET-CT/MR: The New Kid on the Block<br>H.-P. Schlemmer   |
| 15 min         | Discussion  |
| 6:30 pm        | <b>Closing Remarks</b><br>B. Hamm   |
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