

European School of Interventional Radiology

Reliability in Percutaneous Tumour Ablation

Fusion, Stereotaxy and Robotics

Clinical Procedure Training

Innsbruck (AT)

December 14-15, 2017

Local Hosts

R. Bale

W. Jaschke

Faculty

R. Bale

D. Breen

T. de Baere

A. Denys

W. Jaschke

J. Kettenbach

P. Knüsel

E. Levy

A.H. Manken

D. Putzer

P. Schullian

L.A. Solbiati

M. van Strijen

P. Wiggemann

B.J. Wood

ESIR 2017 Course

Who should attend?

This course brings together experienced interventional radiologists to scrutinise the latest 3D navigation systems and ablation devices in order to determine how these are optimally deployed, identify the technologies that hold the most potential to produce positive results, and shape their future refinement.

What will you learn?

The course will cover:

- Stereotactic radiofrequency ablation: live case*, theoretical background, and advanced technologies
- Thorough overview of the latest 3D navigation systems
- In-depth review of available ablation techniques and devices
- Practical experience with individual technologies in small-group workshops
- Case discussions led by renowned experts

Nestled in a valley between the mighty Alps, Innsbruck is the fifth largest city in Austria and has plenty to offer to visitors. Historically, the city started flourishing in the 15th century when it became the capital of Tyrol, triggering a construction wave of splendid, majestic buildings, including the most famous attraction in the city – the Goldenes Dachl (Golden Roof). A succession of Holy Roman Emperors realised their architectural feats in Gothic, Renaissance and Baroque styles, leaving the city with marvellous buildings that can still be admired today whilst meandering through the narrow, winding alleys of the city centre.

Due to its favourable location, Innsbruck is also the perfect spot for exploring the mountainous Austrian landscape, either on foot or on skis. The breathtaking views from the mountains around the city are not to be missed. After a strenuous day's hiking, you can satisfy your appetite with any specialty containing delicious Tiroler Speck (Tyrolean bacon).



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Programme

Thursday, December 14, 2017

- 08:30-09:30 Registration
 09:30-09:35 Welcome and introduction to the Radiology Department of the Medical University of Innsbruck
 09:35-09:40 Welcome and introduction to the Tyrolean Hospitals
 09:40-09:50 Course objectives and schedule
Advances in image guided tumour ablation
 09:50-10:00 Reliability in thermal ablation
 10:00-10:10 Sononavigation – state of the art
 10:10-10:20 Sononavigation – results
 10:20-10:30 Cone beam CT-guided ablation – state of the art
 10:30-10:40 Cone beam CT-guided ablation – results
 10:40-10:50 Stereotaxy and robotics
 10:50-11:00 Stereotactic radiofrequency ablation (SRFA)
 11:00-11:10 Stereotactic microwave ablation (SMWA)/ electroporation (SIRE)
 11:10-11:20 Image fusion for immediate treatment evaluation
 11:20-11:30 The Innsbruck SRFA database (stereotaxy – ablation – fusion)
 11:30-12:00 Summary and discussion
12:00-13:00 Working lunch
Devices & technologies – what's new? Part I
 12:20-12:50 Ablation devices, planning and image guidance
 12:50-13:00 Introduction to workshops
13:00-15:00 Hands-on device training in small groups I
 • Cone beam CT
 • Stereotaxy I
 • Stereotaxy II
 • Stereotaxy III
 • Stereotaxy IV
 • Ultrasound guidance with image fusion I
 • Ultrasound guidance with image fusion II
15:00-15:30 Coffee break
15:30-17:00 Hands-on device training in small groups II
17:00-17:30 Cases in which I appreciated having a sophisticated tool I
 1. Fusion imaging-guided ablation
 2. Robot-assisted ablation
 3. Image fusion
 4. SRFA of liver tumour
 5. Cone beam CT-guided ablation
 6. Cone beam CT-guided ablation

Friday, December 15, 2017

- 08:30-11:30 Stereotactic radiofrequency ablation – live from the CT suite***
 Introduction to live case
 Stereotactic radiofrequency ablation of liver tumour
 Simultaneously: commentary, theoretical background & advanced technologies related to the live case
11:30-13:00 Working lunch
Devices & technologies – what's new? Part II
 11:30-12:00 Ablation devices, planning and imaging guidance
12:00-13:00 Cases in which I appreciated having a sophisticated tool II
 7. Robot-assisted ablation
 8. Fusion imaging-guided ablation of extrahepatic tumour
 9. Augmented reality-guided ablation
 10. Ablation using an electromagnetic navigation system
 11. Cone beam CT-guided ablation
 12. SRFA of very large hepatic tumour
 13. SIRE
 14. SRFA of extrahepatic tumour
 15. Fusion imaging-guided ablation
 16. Fusion imaging-guided ablation
Future of ablation
 13:00-13:10 Study endpoints in local treatment of liver tumours
 13:10-13:20 Thermal ablation as first-line treatment for HCC?
 13:20-13:30 Thermal ablation as first-line treatment for liver metastases?
 13:30-13:40 Interventional oncology vs. alternative treatments: the blue ocean strategy
 13:40-13:50 Interventional oncology vs. alternative treatments: the red ocean strategy
 13:50-14:00 Summary and discussion

* Should the scheduled live case not be feasible (due to patient selection, informed consent or patient safety issues, etc.), the faculty reserve the right to replace this element of the programme with video cases.

Venue

Landeskrankenhaus
 Universitätskliniken Innsbruck
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 6020 Innsbruck
 AUSTRIA



Faculty

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