

# AO Trauma Course - Basic Principles of Fracture Management

## 5-7 February 2014, Hungary

Wednesday, 5 February, 2014

|               |  |            |
|---------------|--|------------|
| 08.30 - 08.40 | Welcome words                              | Zs. Szabó  |
| 08.40 - 08.45 | ARS technical information                  | E. Varga   |
| 08.45 - 09.00 | AO- Foundation - AO philosophy - the facts | M. Nerlich |
| 09.00 - 09.15 | Biology of fracture healing                | ?          |
| 09.15 - 09.30 | Absolute stability                         | ?          |
| 09.30 - 09.45 | Relative stability                         | I. Nacsai  |

9.45 - 10.00 Coffee break

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**10.00.- 10.45 Small group discussion**  
Firewire discussion  
*screw, plate, tension, band wire*

Faculty: ??

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|---------------|----------------------------|--------------|
| 10.45 - 11.00 | Screw and plate fixation   | L. Várhidy   |
| 11.00 - 11.15 | Tension band stabilization | B. Turchányi |
| 11.15 - 11.30 | Reduction techniques       | E. Varga     |

11.30 - 11.45 Coffee break

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**11.45 - 13.15 Practical exercise I.** **moderator: ?**  
-Lag screw  
-Compression plate  
-Tension band wire

**Table instructors: 1. ?**  
**2. ?**  
**3. ?**  
**4. ?**

**Video: ?**

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13.15-14.15 LUNCH

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|               |                              |            |
|---------------|------------------------------|------------|
| 14.15 - 14.30 | Müller AO/OTA classification | G. Ungvári |
| 14.30 - 14.45 | Preoperative planning        | ?          |
| 14.45 - 15.00 | Biological osteosynthesis    | N. Wiegand |

15.00-15.15 External fixators

B. Turchányi

15.15-15.30 Internal fixators

T. Gunther

15.30-15.45 Intramedullary nailing

?

15.45-16.00 *Discussion*

16.00-16.15 Coffee break

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**16.15-17.30 Practical exercise II.**

**moderator: ?**

- Angular stability in the osteoporotic bone
- Protecting plate and lag screw on distal tibia fracture
- Bridge plating with MIPO technique

**Table instructors: 1. ?**

**2. ?**

**3. ?**

**4. ?**

***Video: ?***

17.30-17.35 Coffee break

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**17.35-18.30 Small group discussions**

„Fireside” discussion

*osteoporotic bone, MIPO*

Faculty: ????

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Thursday, 6 February, 2014

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**08.00 - 08.45 Small group discussions**

- „Fireside” discussion  
*upper limb*

Faculty: ????

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08.45-09.00 Proximal humeral fractures  
09.00-09.15 Humeral shaft fractures  
09.15-09.30 Fractures around the elbow

G. Ungvári  
I. Horváth  
F. Urbán

*09.30-09.45 Discussion*

09.45-10.00 Coffee break

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10.00-10.15 Forearm fractures – treatment possibilities  
10.15-10.30 Distal radius fracture, wrist injuries  
10.30-10.45 Skeletal trauma of the hand

T. Gunther  
N. Wiegand  
Zs. Szabó

*10.45-11.00 Discussion*  
11.00-11.10 Coffee break

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**11.10-12.10 Practical exercise III.**  
**- LCP internal fixation of the distal radius**

**moderator: ?**

**Table instructors: 1. ?**  
**2. ?**  
**3. ?**  
**4. ?**

***Video: ?***

12.10-12.15 Coffee break

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**12.15-13.15 Small group discussions**

- „Fireside” discussion  
*lower limb*

Faculty: ????

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13.15 – 14.15 LUNCH

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|---------------|--------------------------------|--------------|
| 14.15 - 14.30 | Pelvic ring injuries           | E. Varga     |
| 14.30 - 14.45 | Acetabular fractures           | ?            |
| 14.45 – 15.00 | Proximal femoral fractures     | ?            |
| 15.00-15.15   | Fractures of the femoral shaft | ?            |
| 15.15-15.30   | Distal femoral fractures       | B. Turchányi |

15.30-15.45 *Discussion*

15.45-16.00 Coffe break

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|---|---------------------|
| <b>16.00-17.00 Practical exercise IV.</b>           | <b>moderator: ?</b> |
| <b>- PFN-A: Proximal femoral nail, antirotation</b> |                     |

**Table instructors: 1. ?**

**2. ?**

**3. ?**

**4. ?**

***Video: ?***

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|-------------|-------------------------|------------|
| 17.00-17.15 | Proximal tibia fracture | ?          |
| 17.15-17.30 | Tibia shaft fracture    | G. Ungvári |

17.30-17.45 Coffe break

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|   |                     |
|---|---------------------|
| <b>17.45-18.40 Practical exercise V.</b>      | <b>moderator: ?</b> |
| <b>- Cannulated femoral nail with Synream</b> |                     |

**Table instructors: 1. ?**

**2. ?**

**3. ?**

**4. ?**

***Video: ?***

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| 18.40 | End of the second day |
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Friday, 7 February, 2014

**08.00-09.00 Practical exercise VI.**  
**- ETN - Expert tibia nail**

**moderator: ?**

**Table instructors: 1. ?**  
**2. ?**  
**3. ?**  
**4. ?**

**Video: ?**

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| 09.00-09.15 Distal tibia fractures                           | F. Urbán   |
| 09.15-09.30 Ankle joint injuries                             | N. Wiegand |
| 09.30-09.45 Skeletal trauma of the foot                      | ?          |
| 09.45-10.00 Discussion: Delayed union – non union management |            |

10.00-10.45 Coffee break

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| 10.45-11.00 Implants for fracture management:                        | I. Nacsai  |
| biological and biomechanical requirements. Metal allergy             |            |
| 11.00-11.15 Aseptic complications of osteosynthesis, implant removal | ?          |
| 11.15-11.30 Acute and chronic infections                             | ?          |
| 11.30-11.45 Soft tissue injuries, classification, management         | Zs. Szabó  |
| 11.45-12.00 Damage control   | E. Varga   |
| 12.00-12.15 Radiation hazard   | L. Várhidy |

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| 12.15-12.30 AO Trauma Europe – Carriers  | T. Gunther |
| 12.30-12.45 Test                         |            |
| 12.45-13.00 Distribution of certificates |            |

13.00 End of course