

Program

AOTrauma Courses with Practical Exercises on Human Specimens

September 09–25, 2013 Graz, Austria



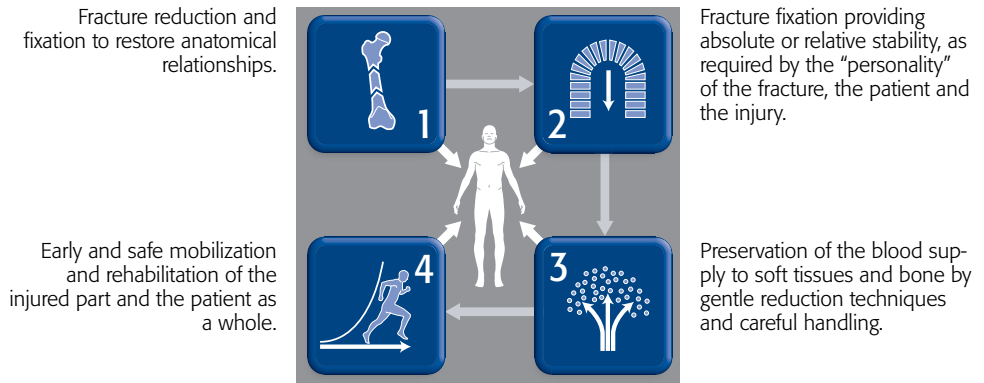
Home to Trauma & Orthopaedics

Value statement

AOTrauma is committed to improve patient care outcomes through the highest quality education.

We strive to combine the right knowledge and surgical skills that empower the orthopaedic and trauma surgeons to put theory into practice and to improve fracture management for the benefit of the patient.

The AO Principles of fracture management



The first AO Course was held in Davos in 1960 – these early courses pioneered psychomotor techniques by teaching practical skills of AO Techniques.

Since those early days over 250.000 surgeons and 135.000 ORP staff from over 110 countries have attended AO Courses – we now launch AOTrauma to move our education to the next level.

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Foreword

Since 1960 Prof. Thiel has developed his own method of embalming cadavers in Graz. The aim was to facilitate both students and doctors of medicine to find conditions on cadavers comparable to living persons. Thus an optimal possibility was created: Surgeons of different special fields are now enabled to train surgery on cadavers as an exercise before acting on patients. In addition new instruments and new methods of surgical approaches have been and can be developed.

Thiel's method of embalming was published in 1992 and 2002 in *Annals of Anatomy*. Doctors and anatomists from all over the world have come to Graz in the meantime to learn his method in order to use it in their homelands for students education and in postgraduate courses for doctors.

Based on this embalming Prof. Thiel published also an atlas – named: *Photographic Atlas of Practical Anatomy*. The first edition – translated into many languages – is out of print, the second edition has been on sale since December 2002.

The main advantage of the new embalming is that the cadavers colour, consistency and movability are preserved to a very great extent. In Addition the storable stock solution and the working solutions are bactericidal, fungicidal and virucidal.

The institute of anatomy in Graz houses approximately one thousand doctors every year, who visit the institute to attend our workshops and postgraduate courses on embalmed cadavers as a result of the special facilities given.

Friedrich Anderhuber, MD Prof.

The course is dealing with surgical approaches, anatomy and techniques of osteosynthesis.

The main interest is extended practical exercises and hands-on-work on cadavers at the Institute of Anatomy by only two participants for each working station.

Beside the scientific program Graz – Europe's Culture Capital 2003 – UNESCO world Heritage Site – has a lot of attractions and sightseeing.

Wolfgang Grechenig, MD Prof.

Chairmen



Grechenig Wolfgang, Prim. Univ.Prof. Dr.
Unfallkrankenhaus der AUVA
Graz, Österreich

Gänsslen Axel, Prof. Dr. med.
Klinikum der Stadt Wolfsburg
Wolfsburg, Deutschland

Plecko Michael OA Dr.
Unfallkrankenhaus der AUVA
Graz, Österreich



Wagner Michael, Prim. Univ.Prof. Dr.
Präsident AOTrauma Österreich
Wilhelminenspital der Stadt Wien, Österreich

Orthner Ernst, Univ.Do.
Fusszentrum Wels
Wels, Österreich

Faculty

| | | | |
|--------------|-----------|----------------------|--|
| Anderhuber | Friedrich | o. Univ.Prof. Dr. | Medizinische Universität Graz, Institut für Anatomie |
| Bakota | Bore | MD | General Hospital Karlovac, Kroatien |
| Bösch | Peter | Prim. Univ.Prof. Dr. | KH Wiener Neustadt, Orthopädie |
| Clement | Hans G. | OA Dr. | Unfallkrankenhaus der AUVA, Graz |
| Cretnik | Andrej | MD | University Clinical Centre Maribor, Traumatology, Slowenien |
| Feigl | Georg | Univ.Prof. Dr. | Medizinische Universität Graz, Institut für Anatomie |
| Franceschini | Massimo | Dr. | Ospedale Luigi Sacco - Polo Universitario, Milano, Italien |
| Gänsslen | Axel | OA Dr. med. | Klinikum der Stadt Wolfsburg, Unfallchirurgie, Deutschland |
| Grass | René | PD Dr. med. | Universitätsklinik Dresden, Unfallchirurgie, Deutschland |
| Grechenig | Stephan | Student | Medizinische Universität Graz |
| Grechenig | Wolfgang | Univ.Prof. Dr. | Universitätsklinik für Unfallchirurgie Graz |
| Hartl | Christoph | OA Dr. | LKH Steyr, Unfallchirurgie |
| Ivanic | Gerd | Prim. Doz. Dr. | Privatklinik Graz-Ragnitz, OK-Institut |
| Kalske | Juha | MD | Helsinki University Central Hospital, Jorvi Hospital, Finnland |
| Kastelec | Matej | MD | University Clinic Center Ljubljana, Slowenien |
| Kiljunen | Veikko | MD | Helsinki University Central Hospital, Töölö Hospital, Finnland |
| Klemola | Tero | MD | Oulu University Hospital, Oys, Finnland |

Faculty

| | | | |
|------------|------------|----------------------|--|
| Koch | Horst | Univ.Prof. Dr. | Universitätsklinik für Chirurgie Graz, Klinische Abteilung für Plastische und Rekonstruktive Chirurgie |
| Lidder | Surjit | MD, MRCS | Guy's and St. Thomas Hospital, London, UK |
| Lindahl | Jan | MD Prof. | Helsinki University Central Hospital, Department of Orthopaedics and Traumatology, Finland |
| Mähring | Martin | Dr. | em. Primarius UKH Graz |
| Messmer | Peter | Prof. Dr. med. | Director of Orthopedic Trauma and Research Sheikh Khalifa Medical City, Abu Dhabi, U.A.E. |
| Meznik | Alexander | OA Dr. | UKH Meidling |
| Mohajer | Azizbaig | OA Dr | LKH Stolzalpe, Orthopädie |
| Orthner | Ernst | Univ.Do. Dr. | Fusszentrum Wels |
| Pachucki | Andreas | Prim. Dr. . | Krankenhaus Amstetten, Unfallchirurgie |
| Pascarella | Raffaele | Dr. | Universitaria Umberto I, Ancona, Italien |
| Pichler | Wolfgang | Ass.Prof. Dr. | Universitätsklinik für Unfallchirurgie Graz |
| Plecko | Michael | OA Dr. | UKH Graz |
| Rois | Johannes | OA Dr. | UKH Meidling |
| Schintler | Michael | Univ.Prof. Dr. | Universitätsklinik für Chirurgie Graz, Klinische Abteilung für Plastische und Rekonstruktive Chirurgie |
| Spendel | Stephan | Univ.Prof. Dr. | Universitätsklinik für Chirurgie Graz, Klinische Abteilung für Plastische und Rekonstruktive Chirurgie |
| Staresinic | Mario | MD | University Hospital Merkur, Zagreb, Kroatien |
| Tesch | Norbert P. | Ass.Prof. Dr. | Medizinische Universität Graz, Institut für Anatomie |
| Thewanger | Georg | OA Dr. | UKH Linz |
| Tschauner | Christian | OA Dr. | LKH Stolzalpe, Orthopädie |
| Varsalona | Roberto | Dr. | Ospedaliere Umberto I, Siracusa, Sicilia, Italien |
| Vasenius | Jarkko | MD | Medical Centre Dextra, Helsinki, Finland |
| Velkes | Steven | MD | OFEK Medical, Tel Aviv, Israel |
| Wagner | Michael | Prim. Univ.Prof. Dr. | Wilhelminenspital der Stadt Wien, Abteilung für Unfallchirurgie und Sporttraumatologie |
| Wallenböck | Engelbert | Dr. | em. Primarius UKH Graz |
| Weiglein | Andreas | Univ.Prof. Dr. | Medizinische Universität Graz, Institut für Anatomie |
| Weinberg | Annelie-M. | Prof. Dr. | Universitätsklinik für Orthopädie Graz und Mathias Spital Rheine, Deutschland |

Course objectives

- to broaden the knowledge and comprehension of operative fracture treatment according to the level of education or speciality
- to assist in decision making as to the optimal treatment modality according to the AO Principles
- to learn about the latest developments in research and clinical investigation
- to become acquainted with new techniques and technologies as well as alternative approaches in fracture treatment
- to improve the manual skills by practicing on different bone models
- to understand the evolution of AO Philosophy and Education – what is new and what is still valid as well as the rationale behind any changes

Target audience

- Trauma surgeons
- Orthopedic surgeons

Course description

The topics will be taught in lectures.

The lectures are followed by practical exercises on human specimens of the Anatomical Institute.

During these dissections key steps are projected on the screens.

Each working place is limited to 2 participants.

Faculty members are there to help you.

Each participant has one side of a complete head and neck site to dissect and one side to assist.

Instruments, gloves and gowns are supplied.

Course overview

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| AOTrauma Course Pelvis & Acetabulum Chairmen: Gänsslen, Lindahl | September 09–12, 2013 | Page 8 |
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| AOTrauma Course Foot Surgery Chairman: Grass, Grechenig | September 13–15, 2013 | Page 12 |
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| AOTrauma Course Hand Surgery Chairmen: Plecko, Kastelec (September 16–18, 2013) Chairmen: Schintler, Spindel (September 19, 2013) | September 16–19, 2013 | Page 16 |
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| AOTrauma Introductory Course Principles in Operative Fracture Treatment Chairman: Grechenig | September 20, 2013 | Page 20 |
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| AOTrauma Advanced Course Approaches and Osteosynthesis Hands-on-Course in Traumatology Chairman: Grechenig | September 21–25, 2013 | Page 21 |
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| AOTrauma Workshop Fracture Management during the Growth Chairperson: Weinberg | September 25, 2013 | Page 26 |
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Monday, September 09, 2013

AOTrauma Course Pelvis & Acetabulum

| TIME | AGENDA ITEM |
|-------------|--|
| 07:30–08:15 | Registration |
| 08:15–08:40 | Welcome & organizational comments |
| | PELVIS |
| 08:40–09:05 | Classification |
| 09:05–09:15 | Hemipelvectomy |
| 09:15–09:30 | External fixator & pelvic clamp |
| 09:30–09:50 | Video: external fixator & pelvic clamp |
| 09:50–11:50 | Practical exercises: <div><div>1. External fixator</div><div>2. Hemipelvectomy</div><div>3. Patient positioning, x-ray</div><div>4. Pelvic packing</div><div>5. Pelvic clamp</div></div> |
| 11:50–12:20 | COFFEE BREAK |
| 12:20–12:35 | SIJ, sacrum |
| 12:35–12:50 | Symphysis |
| 12:50–13:45 | Practical exercises: symphysis, SIJ anterior |
| 13:45–14:30 | LUNCH |
| 14:30–15:00 | Pelvic ring disruptions - principles of treatment |
| 15:00–16:45 | Practical exercises: <div><div>1. Plating pelvic ramus</div><div>2. SIJ dorsal: plating ilioiliacal</div><div>3. Walk around anatomy</div><div>4. SIJ screwing percutaneous</div><div>5. Sacral rods</div></div> |
| 16:45–17:00 | COFFEE BREAK |
| 17:00–17:35 | Practical exercises: approach to symphysis, plating |
| 17:35–17:50 | Practical exercises: SIJ anterior anatomy |
| 17:50–18:30 | Practical exercises: SIJ approach plating |
| 18:30 | End of day 1 |

Tuesday, September 10, 2013

AOTrauma Course Pelvis & Acetabulum

| TIME | AGENDA ITEM |
|-------------|---|
| 08:15–08:30 | Sacrum fracture |
| 08:30–08:50 | Lumbopelvic fixation |
| 08:50–09:10 | Principles of treatment in complex trauma |
| 09:10–09:55 | Practical exercises: SIJ and sacrum dorsal anatomy |
| 09:55–10:40 | Practical exercises: approach sacrum, screws, plate |
| 10:40–11:10 | COFFEE BREAK |
| | ACETABULUM |
| 11:10–11:30 | Classification |
| 11:30–13:00 | Practical exercises: 1. Acetabulum plate position dorsal 2. Anatomy ileoinguinal approach 3. Lumbopelvic fixation 4. Classification Pelvis 5. Classification Acetabulum |
| 13:00–13:45 | Practical exercises: ORIF – joint specimens |
| 13:45–14:15 | Practical exercises: anatomy of acetabulum |
| 14:15–14:30 | Video: approach iliacal, femoral artery |
| 14:30–15:00 | Video: ilioinguinal approach |
| 15:00–15:45 | Practical exercises: ilioinguinal approach |
| 15:45–16:00 | COFFEE BREAK |
| 16:00–16:10 | Computer assisted percutaneous fracture treatment |
| 16:10–16:25 | Acetabulum fracture: ORIF dorsal |
| 16:25–16:40 | Acetabulum fracture: ORIF ventral |
| 16:40–17:10 | Practical exercises: ORIF acetabulum fracture |
| 17:10 | End of day 2 |

Wednesday, September 11, 2013

AOTrauma Course
Pelvis & Acetabulum

| TIME | AGENDA ITEM |
|-------------|--|
| 08:30–08:45 | Pipkin fracture |
| 08:45–09:15 | Reduction technique |
| 09:15–09:35 | Video: approach Kocher Langenbeck |
| 09:35–10:00 | Practical exercises: approach Kocher - Langenbeck |
| 10:00–10:15 | Practical exercises: Hamstring - refixation |
| 10:15–10:30 | Video: vessels and nerves of the hip |
| 10:30–12:00 | Practical exercises: 1. Reduction techniques, reduction instruments 2. Anatomy 3. Intrapelvic approach 4. Approaches – limitations 5. Hip luxation “Ganz” 6. Lumbopelvic fixation |
| 12:00–12:30 | LUNCH |
| 12:30–14:00 | Case discussions |
| 14:00–14:15 | Video: anterior approach hip |
| 14:15–14:45 | Practical exercises: anterior approach hip |
| 14:45–15:00 | Fractures in children |
| 15:00–15:15 | Fractures in the elderly |
| 15:15–15:35 | Hip arthroscopy |
| 15:35–16:00 | Discussion |
| 16:00 | End of day 3 |

Thursday, September 12, 2013

AOTrauma Course Pelvis & Acetabulum

| TIME | AGENDA ITEM |
|-------------|---|
| 08:30–08:45 | Minimal invasive approach |
| 08:45–09:05 | Hip prosthesis dislocation |
| 09:05–09:25 | Intertrochanteric fracture |
| 09:25–09:45 | Periprosthetic fracture |
| 09:45–10:05 | COFFEE BREAK |
| 10:05–10:30 | Pelvic osteotomies |
| 10:30–13:30 | Practical exercises: <ol style="list-style-type: none"> 1. Minimal invasive approach 2. Arthroscopy hip 3. Clinical videos 4. Femur neck screwing; DHS, DHS buttress plate 5. PFNA & Augmentation |
| 13:30 | End of AOTrauma Course „Pelvis & Acetabulum“ |

Friday, September 13, 2013

AOTrauma Course

Foot Surgery

| TIME | AGENDA ITEM |
|-------------|--|
| 07:30–08:15 | Registration |
| 08:15–08:30 | Welcome & organizational comments |
| 08:30–09:00 | Achilles tendon |
| 09:00–09:15 | Demonstration: percutaneous technique |
| 09:15–10:30 | Practical exercises: achilles tendon, suture, reconstruction, anchor, VY plasty |
| 10:30–10:45 | Practical exercises: anatomy puzzle |
| 10:45–11:30 | Practical exercises: anatomy of tendons, vessels and nerves |
| 11:30–12:00 | COFFEE BREAK |
| 12:00–12:15 | Ankle fracture classification |
| 12:15–12:45 | Ankle fracture treatment |
| 12:45–13:30 | Practical exercises: approaches ankle |
| 13:30–14:15 | Practical exercises: osteosynthesis ankle |
| 14:15–15:00 | LUNCH |
| 15:00–15:45 | Pilon tibial fracture |
| 15:45–16:00 | MIPO Tibia distal and Fibula |
| 16:00–17:00 | Practical exercises: osteosynthesis distal tibia |
| 17:00–17:30 | Practical exercises: MIPO tibia and fibula |
| 17:30–17:45 | COFFEE BREAK |
| 17:45–18:00 | The mangled extremity |
| 18:00–18:30 | Video: compartment syndrom lower extremity |
| 18:30–19:00 | Practical exercises: fasciotomy |
| 19:00–19:10 | Video: nerves lower extremity |
| 19:10 | End of day 1 |

Saturday, September 14, 2013

AOTrauma Course

Foot Surgery

| TIME | AGENDA ITEM |
|-------------|--|
| 08:15–09:00 | Practical exercises: anatomy: <ol style="list-style-type: none"> 1. tendons 2. biomechanics 3. vessels, nerves |
| 09:00–09:20 | Acute and chronical syndesmosis lesions |
| 09:20–09:50 | Fractures talus |
| 09:50–10:00 | Video: approaches talus |
| 10:00–10:20 | Metatarsal fractures |
| 10:20–10:45 | Practical exercises: reconstruction tibio-fibular-syndesmosis |
| 10:45–11:00 | COFFEE BREAK |
| 11:00–11:15 | Practical exercises: anatomy talus, constructive anatomy of the talus (plastillin) |
| 11:15–11:30 | Practical exercises: osteosynthesis talus |
| 11:30–12:00 | Practical exercises: dorsal approach ankle and talus |
| 12:00–12:45 | Calcaneal fractures |
| 12:45–13:00 | Calcaneal fractures – percutaneous techniques |
| 13:00–13:40 | LUNCH |
| 13:40–14:00 | Biomechanics foot |
| 14:00–14:10 | Practical exercises: anatomy calcaneus |
| 14:10–14:20 | Video: calcaneus lateral approach |
| 14:20–14:40 | Practical exercises: calcaneus lateral approach |
| 14:40–15:00 | Practical exercises: calcaneus medial approach |

Saturday, September 14, 2013

AOTrauma Course

Foot Surgery

| TIME | AGENDA ITEM |
|-------------|---|
| 15:00–16:15 | Practical exercises: 1. Calcaneus percutaneous technique 2. Osteosynthesis metatarsalia 3. Walk around anatomy 4. Osteosynthesis calcaneus |
| 16:15–16:30 | COFFEE BREAK |
| 16:30–16:50 | Chopart and Lisfranc |
| 16:50–17:10 | Chronic ankle instability |
| 17:10–17:20 | Video: Lisfranc |
| 17:20–18:30 | Practical exercises: 1. Approach Chopart and Lisfranc 2. Chronic ankle instability 3. Retinaculum flap 4. Peroneus brevis plasty |
| 18:30–18:45 | BREAK |
| 18:45–19:30 | Case discussions: tips and pearls - ankle (Orthner) |
| 19:30 | End of day 2 |

Sunday, September 15, 2013

AOTrauma Course

Foot Surgery

| TIME | AGENDA ITEM |
|--------------|--|
| 08:30–09:00 | Prosthesis ankle |
| 09:00–09:30 | Arthroscopy ankle and subtalar |
| 09:30 –10:00 | Arthrodesis ankle |
| 10:00–10:30 | Subtalar arthrodesis |
| 10:30–11:00 | COFFEE BREAK |
| 11:00–12:30 | Practical exercises: 1. Workshop ankle replacement 2. Workshop arthroscopy |
| 12:30–14:00 | Practical exercises: 1. Arthrodesis ankle 2. Subtalar arthrodesis |
| 14:00–14:30 | COFFEE BREAK |
| 14:30–14:45 | Tibialis posterior transfer |
| 14:45–15:00 | Arthrodesis Chopart and Lisfranc |
| 15:00–16:00 | Practical exercises: 1. Tibialis posterior transfer 2. Arthrodesis Chopart and Lisfranc |
| 16:00–16:15 | Luxation peroneus tendon |
| 16:15–16:45 | Tibialis posterior insufficiency |
| 16:45–17:00 | General principles in arthrodesis |
| 17:00–18:00 | Practical exercises: 1. Peroneus tendon luxation 2. Tibialis posterior insufficient |
| 18:00 | End of AOTrauma Course „Foot Surgery“ |

Monday, September 16, 2013

AO Trauma Course Hand Surgery

| TIME | AGENDA ITEM |
|-------------|--|
| 08:15–09:00 | Registration |
| 09:00–09:15 | Welcome & organizational comments |
| 09:15–10:15 | Distal radius fracture treatment |
| 10:15–11:30 | Practical exercises: distal radius fracture, plating |
| 11:30–12:00 | COFFEE BREAK |
| 12:00–12:20 | Video: surgical approaches distal radius |
| 12:20–12:30 | Practical exercises: surgical anatomy |
| 12:30–13:00 | Practical exercises: surgical approaches distal radius |
| 13:00–13:30 | Practical exercises: approaches metacarpals and phalanges |
| 13:30–14:10 | Scaphoid fracture, non unions |
| 14:10–14:30 | External fixator |
| 14:30–15:00 | Forearm fracture treatment |
| 15:00–15:30 | COFFEE BREAK |
| 15:30–15:50 | ORIF metacarpals and phalanges |
| 15:50–16:05 | Fracture thumb |
| 16:05–17:15 | Video: approach scaphoid, percutaneous technique |
| 17:15–18:00 | Practical exercises: 1. External fixator 2. Osteosynthesis scaphoid 3. Percutaneous screw fixation 4. ORIF MC |
| 18:00 | End of Day 1 |

Tuesday, September 17, 2013

AOTrauma Course Hand Surgery

| TIME | AGENDA ITEM |
|-------------|---|
| 08:00–08:45 | Practical exercises: anatomy 1. Extensor apparatus, flexor tendons, carpal tunnel 2. Biomechanics 3. Vessels and nerves |
| 08:45–09:30 | Compression syndromes upper extremity |
| 09:30–11:10 | Practical exercises: CTS, trigger finger, Guyon, De Quervain, UCL, approach scaphoid, approach Bennett |
| 11:10–11:30 | COFFEE BREAK |
| 11:30–12:00 | Rizarthrosis - principles of treatment |
| 12:00–12:30 | Denervation |
| 12:30–14:00 | Practical exercises: 1. Denervation 2. Resection arthroplasty 3. Arthrodesis MCP I plasty 4. Preparation vessels/nerves 5. Walk around anatomy |
| 14:00–14:50 | LUNCH |
| 14:50–15:20 | Wrist arthrosis - principles of treatment |
| 15:20–16:00 | Carpal instability |
| 16:00–16:20 | Perilunate fracture treatment |
| 16:20–16:35 | Practical exercises: carpal bones - puzzle |
| 16:35–18:30 | Practical exercises: 1. Arthrodesis wrist 2. Mediocarpal arthrodesis 3. Proximal row carpectomy 4. Dorsal capsulodesis 5. Perilunate fracture treatment |
| 18:30 | End of Day 2 |

Wednesday, September 18, 2013

AO Trauma Course Hand Surgery

| TIME | AGENDA ITEM |
|-------------|---|
| 08:30–09:00 | Problems at the distal radioulnar joint Compartment syndrome upper extremity |
| 09:00–09:15 | Ulnocarpal abutment syndrome |
| 09:15–09:45 | Ulna shortening, Kapandji and Darrach |
| 09:45–11:15 | Practical exercises: 1. Ulna shortening 2. Kapandji 3. Darrach 4. TFCC 5. PIP volar approach |
| 11:15–11:45 | COFFEE BREAK |
| 11:45–12:15 | Wrist arthroscopy |
| 12:15–12:30 | Video: wrist arthroscopy |
| 12:30–13:40 | Practical exercises: 1. Wrist arthroscopy 2. Ultrasound hand 3. Clinical examination hand |
| 13:40–13:55 | Video: extensor aponeurosis |
| 13:55–14:45 | Practical exercises: anatomy, snow plastic, distal refixation (Lengemann and anchor suture), arthrolysis PIP |
| 14:45–15:00 | COFFEE BREAK |
| 15:00–15:15 | Arthrodesis finger joints |
| 15:15–15:30 | Arthrodesis of the wrist |
| 15:30–16:45 | Practical exercises: arthrodesis finger joints |
| 16:45–17:05 | Corrective osteotomy MC and phalanges |
| 17:05–18:00 | Practical exercises: corrective osteotomy MC and phalanges |
| 18:00 | End of Day 3 |

Thursday, September 19, 2013

AOTrauma Course Hand Surgery

| TIME | AGENDA ITEM |
|-------------|---|
| 08:15–08:20 | Organisational comments |
| 08:20–08:35 | Principles in hand surgery |
| 08:35–08:55 | Extensor tendon injuries |
| 08:55–09:15 | Flexor tendon injuries |
| 09:15–09:30 | Replantation |
| 09:30–11:00 | Practical exercises: <ol style="list-style-type: none"> 1. Extensor tendon suture/distal refixation 2. Extensor indicis plasty 3. Flexor tendon suture 4. Pulley refixation/reconstruction |
| 11:00–11:20 | COFFEE BREAK |
| 11:20–11:50 | Nerv injuries and neuroma treatment |
| 11:50–12:20 | Burn injuries and scar management |
| 12:20–12:40 | Infections of the hand |
| 12:40–13:00 | Dupuytren's contracture |
| 13:00–14:00 | LUNCH |
| 14:00–14:30 | Local hand flaps |
| 14:30–14:50 | Amputation |
| 14:50–17:30 | Practical exercises: <ol style="list-style-type: none"> 1. Scar treatment and Z-plasty 2. Rhomboid flaps 3. Crossfinger and reversed crossfinger flap 4. Moberg flap 5. Foucher flap 6. Distal pedicled metacarpal artery flap |
| 17:30 | End of AOTrauma Course "Hand Surgery" |

Friday, September 20, 2013

AOTrauma Introductory Course

Workshop: Principles in Operative Fracture Treatment

| TIME | AGENDA ITEM |
|-------------|---|
| 09:00–10:00 | Registration |
| 10:00–10:15 | Welcome |
| 10:15–10:45 | Standard screws and new screws |
| 10:45–11:00 | How to drill, tap, measure length... |
| 11:00–12:30 | Practical exercises: screws (different clinical applications) |
| 12:30–13:00 | Standard plates and new plates |
| 13:00–13:45 | LUNCH |
| 13:45–14:00 | Principles in angle stable plate fixation |
| 14:00–16:00 | Practical exercises: 1. Classical principles in plate fixation (neutralisation, compression, bridging) 2. LCP principles, DLS 3. Anatomical plates |
| 16:00–16:30 | COFFEE BREAK |
| 16:30–16:45 | Tension band |
| 16:45–17:30 | Practical exercises: tension band |
| 17:30 | End of Introductory Course |

Saturday, September 21, 2013

AOTrauma Advanced Course

Approaches and Osteosynthesis

| TIME | AGENDA ITEM |
|-------------|--|
| 07:30–08:15 | Registration |
| 08:15–08:30 | Welcome |
| 08:30–08:55 | Organizational comments |
| 08:55–09:15 | Surgical approaches shoulder |
| 09:15–19:45 | Practical exercises: anatomy of the shoulder |
| 09:45–10:10 | Practical exercises: subclavian artery |
| 10:10–10:30 | Practical exercises: approaches to the SC/AC joint/Clavicle plating, drilling, coracoid process anatomy |
| 10:30–11:00 | COFFEE BREAK |
| 11:00–11:30 | MIO – Upper extremity |
| 11:30–12:30 | Practical exercises: anterior approach to the glenohumeral joint, approach subacromial space, medial approach (vessels, nerves) |
| 12:30–13:30 | Practical exercises: humeral shaft fracture – anterolateral approach and plating |
| 13:30–14:15 | LUNCH |
| 14:15–14:30 | Humeral shaft fracture treatment |
| 14:30–15:00 | Practical exercises: anatomy of the glenohumeral joint posterior |
| 15:00–15:30 | Practical exercises: posterior approach to the glenohumeral joint |
| 15:30–16:00 | Practical exercises: surgical anatomy of the radial nerve |
| 16:00–16:30 | Practical exercises: humeral shaft fracture – dorsal approach and plating |
| 16:30–17:00 | COFFEE BREAK |
| 17:00–17:20 | Anatomy Elbow |
| 17:20–18:00 | Practical exercises: surgical anatomy - joint, ligaments |
| 18:00 | End of day 1 |

Sunday, September 22, 2013

AOTrauma Advanced Course

Approaches and Osteosynthesis

| TIME | AGENDA ITEM |
|-------------|--|
| 08:15–09:00 | Practical exercises: surgical anatomy of the upper extremity – muscles, nerves |
| 09:00–10:00 | Practical exercises: surgical approaches: – elbow dorsal (olecranon osteotomy) – Boyd – elbow anterior |
| 10:00–10:30 | Approaches elbow |
| 10:30–10:45 | Video: Bryan Morrey |
| 10:45–11:15 | COFFEE BREAK |
| 11:15–11:45 | Forearm fracture |
| 11:45–12:15 | Practical exercises: anatomy radial nerve |
| 12:15–13:30 | Practical exercises: surgical approaches: – shaft of the ulna – elbow anterior, artery – radius anterior (Henry) – radius posterior (Thompson) |
| 13:30–14:30 | Practical exercises: forearm shaft fracture - surgical approach/plating |
| 14:30–15:15 | LUNCH |
| 15:15–15:45 | Practical exercises: approach axillar artery |
| 15:45–16:00 | Video: dermatofasciotomy upper extremity |
| 16:00–16:15 | Practical exercises: dermatofasciotomy upper extremity |
| 16:15–16:30 | Practical exercises: puzzle carpal bones |
| 16:30–17:00 | Surgical approaches to the distal radius |
| 17:00–17:15 | Video: approach radius distal: dorsal/volar/radial |
| 17:15–17:45 | Practical exercises: distal radius - surgical approach |
| 17:45–18:30 | Practical exercises: approaches hand |
| 18:30–18:45 | Video: nerves upper extremity |
| 18:45–19:00 | Practical exercises: proximal amputation/coniotomy/digital thoracocentesis |
| 19:00 | End of day 2 |

Monday, September 23, 2013

AOTrauma Advanced Course

Approaches and Osteosynthesis

| TIME | AGENDA ITEM |
|-------------|--|
| 08:30–09:00 | Approaches knee |
| 09:00–09:30 | Practical exercises: anatomy knee |
| 09:30–09:55 | Practical exercises: dorsal approach to the knee |
| 09:55–10:10 | Practical exercises: approach popliteal artery |
| 10:10–10:30 | Practical exercises: dorsal approach to the ankle |
| 10:30–11:00 | COFFEE BREAK |
| 11:00–11:30 | Anatomy ankle |
| 11:30–12:00 | Practical exercises: surgical approach to the knee: anterior/medial/lateral - muscles specimens |
| 12:00–12:30 | Practical exercises: tibia head medial/lateral |
| 12:30–13:00 | Practical exercises: surgical approach to the ankle: anterior/medial/lateral |
| 13:00–13:45 | LUNCH |
| 13:45–14:15 | Surgical approach and osteosynthesis to the talus |
| 14:15–14:30 | Practical exercises: surgical anatomy (bone puzzle) |
| 14:30–15:00 | Practical exercises: approaches: talus/calcaneus |
| 15:00–15:15 | Practical exercises: anatomy Lisfranc |
| 15:15–15:30 | Practical exercises: approach: Chopart/Lisfranc |
| 15:30–16:00 | COFFEE BREAK |
| 16:00–16:10 | Video: approaches children |
| 16:10–16:20 | Practical exercises: surgical anatomy of the foot |
| 16:20–16:45 | Practical exercises: special surgical exposures to the foot |
| 16:45–17:15 | Practical exercises: preparation and anatomy of the foot |
| 17:15 | End of day 3 |

Tuesday, September 24, 2013

AOTrauma Advanced Course Approaches and Osteosynthesis

| TIME | AGENDA ITEM |
|-------------|---|
| 08:15–08:45 | Principles of treatment: femur shaft fractures |
| 08:45–09:05 | Video: surgical approaches to the femur |
| 09:05–09:30 | Practical exercises: MIPO femur |
| 09:30–10:15 | Practical exercises: femur shaft fracture lateral approach and plating |
| 10:15–10:45 | Practical exercises: 1. Medial approach to the distal femur 2. Approach femoral artery 3. Amputation |
| 10:45–11:15 | COFFEE BREAK |
| 11:15–11:25 | Video: nerves lower extremity |
| 11:25–12:15 | Practical exercises: surgical anatomy of the nerves of lower extremity |
| 12:15–12:35 | Exposures for intramedullary nailing |
| 12:35–13:00 | Lecture & video: gastrocnemius/soleus muscle flap |
| 13:00–15:00 | WORKSHOP 1. Gastrocnemius/soleus muscle flap 2. IM-nailing – artificial bone – demonstration: humerus shaft, humerus proximal 3. IM-nailing – artificial bone – demonstration: LFN/RAFN 4. IM-nailing – artificial bone – demonstration: Expert Tibia Nail 5. Anatomy tour |
| 15:00 | End of day 4 |

Wednesday, September 25, 2013

AOTrauma Advanced Course

Approaches and Osteosynthesis

| TIME | AGENDA ITEM |
|-------------|--|
| 08:00–08:20 | Compartmentsyndrom - lower extremity |
| 08:20–08:30 | Video: dermatofasciotomy lower extremity |
| 08:30–09:00 | Practical exercises: dermatofasciotomy in the lower extremity |
| 09:00–09:10 | Video: approaches tibia shaft |
| 09:10–09:25 | Practical exercises: MIPO tibia |
| 09:25–10:15 | Practical exercises: tibia shaft fracture: anterior approach and plate fixation |
| 10:15–10:30 | Practical exercises: peroneal nerve preparation |
| 10:30–10:45 | Cancellous bone graft-iliac crest |
| 10:45–11:00 | Practical exercises: graft harvesting |
| 11:00–11:15 | COFFEE BREAK |
| 11:15–11:45 | Approaches hip |
| 11:45–12:30 | Demonstration: surgical anatomy hip and pelvis |
| 12:30 | End of AOTrauma Course „Approaches and Osteosynthesis“ |

Wednesday, September 25, 2013

AOTrauma Workshop

“Fracture Management during the Growth”

TIME

AGENDA ITEM

Scientific organization: Annelie Weinberg, MD Prof. Prim.

13:00

1. Pediatric trauma: what is different to adults
2. Biomechanics ESIN (Elastic Stable Intramedullary Nailing) and technical principles, indications, limits
3. Operative treatment of diaphyseal fractures: femur & forearm fractures
- Hands on: ESIN – femur & tibia** (plastic bone)
4. Postoperative care and implant removal
5. Operative treatment of metaphyseal fractures: K-wire osteosynthesis/screw fixations
6. Supracondylar humerus fractures: different treatment options (ESIN, Fixateur externe and K-wire osteosynthesis)

Hands on: K-wire stabilisation (cadaver & plastic bone)

- lateral condyle humerus
- medial epicondyle humerus
- supracondylar fractures
- subcapital fracture humerus

19:00

End of the Workshop “Fracture Management during the Growth”

Organization

Grechenig Wolfgang, MD, Prof.

Universitätsklinik für Unfallchirurgie
Graz, Austria

Gesellschaft zur Forschung und Wissenschaftlichen
Weiterbildung der Unfallchirurgie Graz

Logistics

Industrial partner

DePuy Synthes Österreich GmbH
A-5020 Salzburg, Karolingerstrasse 16
Phone +43 662 827511
Fax +43 662 827511-28
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Course information

AO Course office

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Mag. (FH) Sylvia Reischl
Phone +43 662 828525
Fax +43 662 828525-28
e-Mail reischl.sylvia@ao-courses.com

Registration & Course fees

Please register online:

AOTrauma Course Pelvis & Acetabulum
http://GRAZ1309_PEL.aotrauma.org

September 09–12, 2013
Course fee: Euro 660,–

AOTrauma Course Foot Surgery
http://GRAZ1309_FOOT.aotrauma.org

September 13–15, 2013
Course fee: Euro 610,–

AOTrauma Course Hand Surgery
http://GRAZ1309_HAND.aotrauma.org

September 16–19, 2013
Course fee: Euro 660,–

AOTrauma Introductory Course
http://GRAZ1320_intro.aotrauma.org

September 20, 2013
Course fee: Euro 120,–

AOTrauma Advanced Course „Approaches & Osteosynthesis“
http://GRAZ1309_ADV.aotrauma.org

September 21–25, 2013
Course fee: Euro 999,–

AOTrauma Workshop „Fracture Management during the growth“
<http://GRAZ1309.aotrauma.org>

September 25, 2013
Course fee: Euro 100,–

Course fee

Covers admission, course bag, coffee breaks and lunch breaks.

Course account

Name of Account: „AO Kurssekretariat“, Bank Austria/Creditanstalt Salzburg
BIC: BKAUATWW IBAN: AT11 1100 0009 5161 6200

Please pay in Euro before August 26, 2013 and state your name on every remittance slip.
Bank charges must be paid by the participant.

After receipt of payment you will receive a confirmation of your registration.
Payment by credit card will not be accepted!

Cancellation

No refund for cancellations within 10 days before the event.

Information

Accreditation

AOTrauma Courses will get accreditation from the European Accreditation Council for Continuing Medical Education (EACCME) to provide CME activity for medical specialists.

The EACCME is an institution of the European Union of Medical Specialists (UEMS).

The definite number of credit points will be announced at the course.

Please note that continuous presence is obligatory and will be verified.

Course certificates are issued without exception at the end of the course and personally.

www.uems.net

Intellectual property

Course materials, presentations, and case studies are the intellectual property of the course faculty. All rights are reserved.

Recording, photographing or copying of lectures, practical exercises, case discussions, or any course materials is absolutely forbidden.

No insurance

The course organization does not take out insurance to cover any individual against accidents, thefts or other risks.

Security

Wearing of a name tag is compulsory during lectures, workshops, and group discussions.

Mobile phone use

Mobile phone use is not allowed in the lecture halls and in other rooms during educational activities.

Please be considerate of others by turning off your mobile phone.

Course language

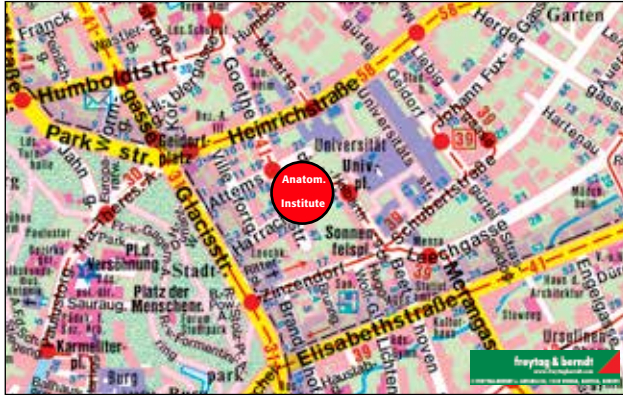
English

Dress code

Casual

Course venue

Anatomical Institute of the Medical University Graz
8010 Graz, Harrachgasse 21 (Entrance Goethestrasse 33)



Hotel information

www.grechenig.at/hotels/hotels.html

Hotel costs have to be paid separately and are not included in the course fee.

Notes



AOTrauma Membership Share your passion

Welcome to the AOTrauma member community.

The mission of the AOTrauma community is to deliver the knowledge, experience and evidence to change patients' lives and improve the effectiveness of trauma care.

Goals of AOTrauma membership

- Improve patient care through access to a range of education and knowledge services
- Deliver benefits designed to meet member needs
- Empower members, reward contribution and provide opportunity for personal growth in AOTrauma
- Provide the opportunity for members to give opinion, feedback and direction to AOTrauma
- Unite members under one global banner



Joining AOTrauma as a member

AOTrauma Member status is reserved exclusively for musculoskeletal trauma professionals who have already demonstrated participation in, and an understanding of AO principles and philosophy. AOTrauma Members must fulfill the following prerequisites:

- Musculoskeletal trauma professionals
- MD/DO must have attended AOTrauma Principles course
- Researcher must be involved in musculoskeletal related research activity

AOTrauma offers the possibility to sign up as Registered User if you don't fulfill the prerequisites. Registered Users are offered the AOTrauma Newsletter, course and event invitations and access to selected educational content.

Member status delivers further advantages and privileges:

- Access to extended member directory information
- Voting rights
- Can develop Member Award Level status
- Members may apply for official roles and positions (country/region define process)

AOTrauma annual membership dues are CHF 100 (€80/100 US\$).

Click here to register for AOTrauma Membership:
<http://www.aotrauma.org/quickregister1.aspx>

Driving Excellence in Trauma & Orthopaedic Surgery



Visit www.aotrauma.org for more information!

Home to [Trauma & Orthopaedics](#)