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| | Preliminary Program.Advanced Principles Course, 26-29 May 2014. Novosibirsk | |
| duration | DAY 1 | |
| 60 | Registration | |
| 30 | Welcome and introduction | |
| 10 | Precourse assessment | |
| | Module 1: Review of principles. | |
| 15 | A review of the principles fracture fixation | |
| 20 | Fracture management: patient factors and injury mechanism | |
| 15 | Fracture reduction -principles and techniques | |
| 15 | MIO—Minimizing surgical footprints | |
| 20 | Clinical indications for locked plating | |
| 20 | COFFEE BREAK | |
| 80 | PRACTICAL EXERCISE 1 A | |
| | Fixation of a four-fragment fracture in the proximal humerus using a proximal humerus interlocking system (PHILOS) plate | |
| | • Video: 20237, • Bone model: PR0716.1, • Bone model: 5010 (one for each table) | |
| | Group 1 | |
| | Group 2 | |
| 80 | DISCUSSION 1 A | |
| | Review of principles and reduction techniques — concepts and application | |
| | Group 3 | |
| | Group 4 | |
| 60 | LUNCH BREAK | |
| 80 | PRACTICAL EXERCISE 1 B | |
| | Fixation of a four-fragment fracture in the proximal humerus using a proximal humerus interlocking system (PHILOS) plate | |
| | • Video: 20237, • Bone model: PR0716.1, • Bone model: 5010 (one for each table) | |
| | Group 3 | |
| | Group 4 | |
| 80 | DISCUSSION 1 B | |
| | Review of principles and reduction techniques — concepts and application | |
| | Group 1 | |
| | Group 2 | |
| 5 | Location change to the lecture hall | |
| 5 | ARS evaluation of practical exercises and discussions 1 | |
| | Module 2: Upper limb injuries. Part 1 | |
| 15 | Proximal humerus fractures—to fix, to replace, or treat nonoperatively? | |
| 20 | Distal humerus—intraarticular fractures and complications | |
| 20 | Complex humeral shaft fractures | |
| 20 | COFFEE BREAK | |
| 80 | PRACTICAL EXERCISE 2 A | |
| | Fixation of a type 13-C1 fracture in the distal humerus using LCP | |
| | • Video: 20223, • Bone model: | |
| | Group 1 | |
| | Group 2 | |
| 80 | DISCUSSION 2 A | |
| | Upper extremity fractures—decision making and methods of stabilization | |
| | Group 3 | |

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| | Group 4 |
| 5 | Location change to the lecture hall |
| 5 | ARS evaluation of practical exercises and discussions 2A |
| 5 | Summary of the day |
| 90 | Satellite symposium : patogenesis and treatment of osteoporosis |
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| | DAY 2 |
| | Module 2: Upper limb injuries. Pert 2 |
| 15 | Distal radial fractures |
| 15 | Fractures of the clavicle: when and how to operate—indications and methods of fixation |
| 5 | Location change to practical exercises and discussions |
| 90 | PRACTICAL EXERCISE 2 B |
| | Fixation of a type 13-C1 fracture in the distal humerus using LCP |
| | • Video: 20223, • Bone model: |
| | Group 3 |
| | Group 4 |
| 90 | DISCUSSION 2 B |
| | Upper extremity fractures—decision making and methods of stabilization |
| | Group 1 |
| | Group 2 |
| 5 | Location change to the lecture hall |
| 5 | ARS evaluation of practical exercises and discussions 2B |
| 20 | COFFEE BREAK |
| | Module 3: Femoral injuries |
| 15 | Femoral neck fractures—different patients; different problems |
| 15 | Intertrochanteric fractures—treatment options and outcomes |
| 20 | Current treatment and options of subtrochanteric fractures |
| 15 | Distal femoral fractures—treatment options and outcomes |
| 5 | Location change to practical exercises and discussions |
| 90 | PRACTICAL EXERCISE 3 A |
| | Distal femur: fixation of an intraarticular type 33-C2.1 fracture using a |
| | LCP distal femoral plate or the LISS system |
| | •Video: 20238 (LCP DF) •Bone model: PR0904.1 • Bone model: 2162 (one for each table) |
| | Group 1 |
| | Group 2 |
| 90 | DISCUSSION 3 A |
| | Fractures of the femur |
| | Group 3 |
| | Group 4 |
| 60 | LUNCH BREAK |
| 90 | PRACTICAL EXERCISE 3 B |
| | Distal femur: fixation of an intraarticular type 33-C2.1 fracture using a |
| | LCP distal femoral plate or the LISS system |
| | •Video: 20238 (LCP DF) •Bone model: PR0904.1 • Bone model: 2162 (one for each table) |
| | Group 3 |
| | Group 4 |
| 90 | DISCUSSION 3 B |
| | Fractures of the femur |

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| | Group 1 |
| | Group 2 |
| 20 | COFFEE BREAK |
| 5 | ARS evaluation of practical exercises and discussions 3 |
| | Module 4: Injuries of the tibia, ankle and foot |
| 15 | Tibial shaft fractures (proximal, distal and segmental) |
| 15 | Complex tibial plateau fractures |
| 15 | Early and definitive treatment of pilon fractures |
| 15 | Complex malleolar fractures |
| 15 | Talar neck fractures and complications |
| 15 | Intraarticular fractures of calcaneus |
| 15 | Midfoot and Lisfranc injuries |
| 10 | Summary of the day |
| | DAY 3 |
| 90 | PRACTICAL EXERCISE 4 A |
| | Management of a type 41-C3 bicondylar tibial plateau fracture using LCP |
| | • Video: 20226 • Bone model: 1152.1 |
| | Group 1 |
| | Group 2 |
| 90 | DISCUSSION 4 A |
| | Fractures of the tibia, ankle, and foot |
| | Group 3 |
| | Group 4 |
| 20 | COFFEE BREAK |
| 90 | PRACTICAL EXERCISE 4 B |
| | Management of a type 41-C3 bicondylar tibial plateau fracture using LCP |
| | • Video: 20226 • Bone model: 1152.1 |
| | Group 3 |
| | Group 4 |
| 90 | DISCUSSION 4 B |
| | Fractures of the tibia, ankle, and foot |
| | Group 1 |
| | Group 2 |
| 5 | Location change to the lecture hall |
| 5 | ARS evaluation of practical exercises and discussions 4 |
| | Module 5: Polytrauma, pelvis and acetabulum |
| 20 | Mangled extremity management |
| 20 | State of the art in the management of multiple injured patients |
| 15 | Evaluation and emergency management of pelvic ring injuries |
| 20 | Definitive fixation of pelvic ring injuries |
| 15 | Principles of acetabular fracture management |
| 60 | LUNCH BREAK |
| 90 | PRACTICAL EXERCISE 5 A |
| | Management of a type 43-C3.2 pilon tibial fracture using an LCP distal tibia plate |
| | • Video: 20215 • Bone model: 9147.1 |
| | Group 1 |
| | Group 2 |
| 90 | DISCUSSION 5 A |

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| | Decision-making in difficult fracture problems and polytrauma patients |
| | Group 3 |
| | Group 4 |
| 20 | COFFEE BREAK |
| 90 | PRACTICAL EXERCISE 5 B |
| | Management of a type 43-C3.2 pilon tibial fracture using an LCP distal tibia plate |
| | • Video: 20215 • Bone model: 9147.1 |
| | Group 3 |
| | Group 4 |
| 90 | DISCUSSION 5 B |
| | Decision-making in difficult fracture problems and polytrauma patients |
| | Group 1 |
| | Group 2 |
| 5 | Location change to the lecture hall |
| 5 | ARS evaluation of practical exercises and discussions 5 |
| 20 | Compartment syndrome |
| 10 | Summary of the day |
| 120 | Course banquet |
| | DAY 4 |
| | Module 6: Special situations and problems |
| 20 | Infection after ORIF |
| 20 | Open (articular) fractures |
| 20 | Treatment of metaphyseal and diaphyseal nonunions |
| 5 | Location change to practical exercises and discussions |
| 90 | PRACTICAL EXERCISE 6 A - |
| | Reduction techniques |
| | video 20207 • Bone model: 9144.1, • Bone model: 1149 (one for each table) |
| | Group 1 |
| | Group 2 |
| 90 | DISCUSSION 6 A |
| | Management of complications |
| | Group 3 |
| | Group 4 |
| 20 | COFFEE BREAK |
| 25 | Internal fixation in osteoporotic bone |
| 15 | Bone substitutes and bone grafts. Indications and methods |
| 15 | Management of bone defects |
| 15 | Principles of geriatric fracture care |
| 25 | Violation of principles |
| 60 | LUNCH BREAK |
| 90 | PRACTICAL EXERCISE 6 B |
| | Reduction techniques |
| | video 20207 • Bone model: 9144.1, • Bone model: 1149 (one for each table) |
| | Group 3 |
| | Group 4 |
| 90 | DISCUSSION 6 B |
| | Management of complications |
| | Group 1 |

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| | Group 2 |
| 5 | Location change to the lecture hall |
| 5 | ARS evaluation of practical exercises and discussions 6 |
| 15 | DVT |
| 10 | The AO World Your Lifelong Learning within AO |
| | Closing remarks |