

**Program Fundamentals of External Fixation Course, 3,4,5 December 2018**

**MONDAY December 3rd 2018**

9.00	Welcome and introduction (E. Luciani)
9.10	Indications for external fixation in trauma: temporary external fixation and DCO with modular frames (N. Tartaglia)
9.30	Indications for external fixation in trauma: temporary external fixation and DCO with circular frames (A. Qureshi)
9.50	Safe corridors and safe pin and wire insertion techniques (L. Schwering) MODULAR FRAMES
9.45	Basic biomechanics and principles for stable modular external fixation (N. Tartaglia)
10.15	Coffee Break
10.30	Temporary external fixation in severe injuries (A. Qureshi)
10.45	Practical Session (wet lab) – All Faculty Method of insertion of half pins Application of a modular pin-to-bar fixator to a diaphyseal tibial fracture: a simple “Z” configuration (Galaxy Fixation)
12.30	Lunch
13.30	Practical Session (wet lab) – All faculty Application of a modular pin-to-bar frame to the pelvis (Galaxy Fixation) Application of a modular pin-to-bar frame across the knee (Galaxy Fixation) Application of a modular pin-to-bar frame across the ankle (Galaxy Fixation)
16.00	Unicortical external fixation for staged procedures (lecture in the lab by N. Tartaglia)
16.15	Application of a unicortical temporary external fixation on a diaphyseal tibial fracture (Galaxy UNYCO)
18.00	End of the day

**TUESDAY December 4<sup>th</sup> 2018**

9.00	Definitive monolateral fixation in lower limb fractures (N. Tartaglia)
9.15	Practical Session (wet lab) – All faculty Application of a definitive monolateral external fixator on a diaphyseal tibial fracture (XCaliber) Application of a definitive monolateral external fixator on a distal tibia fracture (XCaliber Ankle)
11.30	Coffee Break
11.45	Basic biomechanics of circular external fixation (L. Schwering)
12.00	Hardware introduction for static and dynamic frames (A. Qureshi)
12.15	Circular fixation in tibial fractures (A. Qureshi)
12.30	The hybrid fixation method in tibial fractures (N. Tartaglia)
12.45	Post-operative management of a patient with an external fixator: pin site care, psychological aspects, living with frames (A. Qureshi)
13.00	Lunch
14.00	Practical Session (wet lab) – All faculty Principles of wire insertion and tensioning (TL and TL-Hex) Application of a circular fixator to a diaphyseal tibial fracture (TL-Hex Trauma with rapid struts) Practical Session (wet lab) – All faculty Hybrid fixation frames for plateau fractures (TL-Hex ring with Galaxy Fixation clamps)
18.00	End of the day



**WEDNESDAY December 5<sup>th</sup> 2018**

9.00	TEAMWORK: CLINICAL CASE DISCUSSION & RESEARCH METHODS – All Faculty
10.15	Coffee Break
10.30	TEAMWORK: CLINICAL CASE DISCUSSION & RESEARCH METHODS – All Faculty
13.00	Lunch
14.00	End of the course

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