



# INTERVENTIONAL MUSCULOSKELETAL ULTRASOUND CADAVER COURSE

FRIBOURG SWITZERLAND

Course Director:  
**Dr. Serdar Koçer**

Chair of Anatomy:  
**Prof. Luis Filgueira**

**15-16-17 SEPTEMBER 2022**

**Small groups and high tutor to participant ratio**

**Multidisciplinary faculty**

**MSK+**  
ULTRASOUND  
ACADEMY

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# INTERVENTIONAL MUSCULOSKELETAL ULTRASOUND CADAVER COURSE



**Hôpital  
du Jura**  
*Nous pour vous !*

## **INTRODUCTION** (1,5 Hours)

Ultrasound Basic Knobology, Injection Technique Under Ultrasound Guidance

## **SHOULDER** (4 Hours)

- **KEY STRUCTURES** - Rotator Cuff Muscles/tendons, Subdeltoid Bursa, Acromio Calcicular and Gleno Humeral Joints, Spinoglenoid and Suprascapular Notches, Suprascapular Nerve
- **INDICATIONS** - Presentation on Pathologies of the Shoulder and Indications for Treatment
- **INJECTION PROCEDURES**
  - ▶ Intra-Articular - Acromio Calcicular and Gleno Humeral Joints
  - ▶ Tendinopathy - Biceps Tendon Sheath.
  - ▶ Bursal - Subdeltoid Bursa
  - ▶ Pain - Suprascapular Nerve Block

## **ELBOW** (2,5 Hours)

- **KEY STRUCTURES** - Distal Biceps Tendon, Common Extensor Tendon, Radial Collateral Ligament, Radiocapitellar Joint, Common Flexor Tendon, Medial Collateral Ligament, Triceps Tendon, Olecranon Bursa and Ulnar Nerve in Cubital Tunnel
- **INDICATIONS** - Presentation on Pathologies of the Elbow and Indications for Treatment
- **INJECTION PROCEDURES**
  - ▶ Intra-Articular - Radiocapitellar Joint
  - ▶ Tendinopathy - Med/Lat Injections, Triceps Tendon
  - ▶ Bursal - Olecranon Bursal Aspiration/Injection

## **WRIST AND HAND** (3 Hours)

- **KEY STRUCTURES** - Contents of Carpal Tunnel, Six Compartments of Wrist, Extensor Retinaculum, Radial Nerve/Artery, Ulnar Nerve/Artery, Finger Flexor Tendons and A1 Pulley
- **INDICATIONS** - Presentation on Pathologies of the wrist and the Hand and Indications for Treatment
- **INJECTION PROCEDURES**,
  - ▶ Tenosynovitis - 1<sup>st</sup> Extensor Compartment, Trigger Finger
  - ▶ Neuropathy - Median Nerve in Carpal Tunnel

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## **HIP and PELVIS** (3 Hours)

- **KEY STRUCTURES** - Hip Joint and Anterior Recess, Femoral Artery/Vein and Nerve, Iliopsoas Muscle/Tendon, Proximal Rectus Femoris and Sartorius Muscles/Tendons, Greater Trochanter, Gluteal Tendons, Trochanteric Bursa, Tensor Fascia Latae and Iliotibial Band, Piriformis Muscle
- **INDICATIONS** - Presentation on Pathologies of the Hip and Indications for Treatment
- **INJECTION PROCEDURES**
  - Intra-Articular - Hip Joint
  - Bursal - Trochanteric Bursa, Iliopsoas Bursa
  - Tendinopathy - Gluteal Tendon
  - Myofascial Pain - Piriformis

## **KNEE** (3 Hours)

- **KEY STRUCTURES** - Quadriceps Muscle/Tendon, Suprapatellar Bursa, Femur, Patella, Joint Lines, Menisci, Medial/Lateral Collateral Ligaments, Patellar Tendon, Tibia, Fibula, Pes Anserine Bursa/Tendons, Distal Iliotibial Band, Baker's Cyst
- **INDICATIONS** - Presentation on Pathologies of the Knee and Indications for Treatment
- **INJECTION PROCEDURES**
  - Intra-Articular - Suprapatellar Bursal Aspiration/Injection
  - Tendinopathy - Quadriceps/Patellar Tendon
  - Bursal/Cyst - Pes Anserine, Baker's Cyst, Distal ITB

## **ANKLE AND FOOT** (3 Hours)

- **KEY STRUCTURES** - Tibiotalar Joint, Subtalar Joint, Tibialis Anterior, EHL, Tibialis Posterior, FDL, Peroneal Tendons, Neurovascular Bundle, Achilles Tendon, Plantar Flexor Muscles
- **INDICATIONS** - Presentation on Pathologies of the Ankle and the Foot and Indications for Treatment
- **INJECTION PROCEDURES**
  - Intra-Articular - Tibiotalar Joint, Subtalar Joint
  - Tendinopathy - Tibialis Posterior and Peroneal Tendon Sheaths, Achilles Plantar Fascia

## **REVIEW and EVALUATION** (0,5 Hours)

## SCIENTIFIC COMMITTEE

**Serdar Kocer**, Switzerland, **Louis Filgueira**, Switzerland, **Laurent Tatu**, France,  
**Omar Khan**, Canada

## LEARNING OBJECTIVES

- Review of MSK anatomy
- Identify on Thiel cadaver the important structures for ultrasound-guided interventions
- Ultrasound-guided injections on the Thiel corpse which allows an excellent visualization of all musculo skeletal structures

## SUITABLE FOR

- Psychiatrist
- Orthopaedic surgeon
- Sports physician
- Radiologist
- Rhumatologist
- Physiotherapist

**No of places: 16. Places will be offered on a first come first served basis.**  
**High tutor to participant ratio 1:4**

## REGISTRATION

The course registration fee is **1.900 €** including;

- Attendance to the course,
- 3 nights SNG accommodation
- Coffee breaks, lunches, 1 group dinner,
- Transportation in Fribourg

## CONTACT

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