Martinoli
ULTRASOUND

Prof. Carlo Martinoli

Carlo Martinoli earned his medical degree in 1986 from the University of Genoa and specialised in diagnostic radiology at the University of Cagliari in 1989. Currently, he holds significant positions at the University of Genoa as Professor of Radiology and Director of the Postgraduate School of Diagnostic Radiology, in addition to being the Head of the Emergency Radiology Unit at the University-Hospital of Genoa.

With over 25 years of experience, Martinoli devoted himself to educating others in musculoskeletal radiology. His 2007 textbook, "Ultrasound of the Musculoskeletal System", has become a global benchmark. He has published over 322 peer-reviewed papers in international medical journals, earning him an outstanding H-index (>60) and recognition as one of the top 1.5% international scientists.

The MASTERS Courses

The Martinoli Advanced Sonography Training Expert Resource Seminars (MASTERS) flagship courses, led by Prof. Carlo Martinoli, offers a unique opportunity for healthcare professionals to enhance their skills and knowledge in musculoskeletal ultrasound imaging. These courses provide theoretical lectures, live demonstrations, hands-on workshops, and interactive case studies to ensure a well-rounded educational experience.

MASTERS-1: Ultrasound of Peripheral Nerves from Head to Toe
MASTERS-2: MSK Ultrasound of the Distal Upper Extremity
MASTERS-3: MSK Ultrasound of the Distal Lower Extremity
MASTERS-4: MSK Ultrasound of the Shoulder & Hip (incl. Arm & Thigh)
MASTERS-5: MSK Ultrasound of the Hand + Wet Lab

Accreditation
CME credits will be applied for medical and healthcare specialists, ensuring that participants can receive the necessary continuing education credits for their professional development.

Scientific Program

MASTERS-2: MSK Ultrasound of the Distal Upper Extremity

This course offers a systematic and comprehensive review of all aspects of ultrasound imaging of the elbow, forearm, wrist, and hand.

Course Objectives
Through lectures and practical interactive sessions, participants will be able to use ultrasound as a tool to **DIAGNOSE**:

- **D**istinguish and identify anatomical landmarks, normal anatomy, anatomical variants, and pathologies.
- **I**nterpret and differentiate sonographic apprearances of normal anatomy, anatomical variants, and pathologies.
- **A**cquire scanning techniques to dynamically assess and obtain ultrasound images of relevant anatomy.
- **G**enerate and optimise ultrasound images using appropriate machine controls, settings, and transducer selection.
- **N**avigate ultrasound artifacts.
- **O**utline key clinical questions to determine most likely and differential diagnoses.
- **S**ynthesise sonographic appearances of pathologies with patient presentation into clinical management decisions.
- **E**valuate and assess progress through case-based discussions.

Day 1
Elbow & Forearm

07:00 Morning Snacks / Registration / Opening Remarks / Introduction

08:00 Lecture & Live Demonstration: Anterolateral Elbow (Tendons & Ligaments) - Normal Anatomy, Scanning Technique, and Pathology

09:00 Hands-on Workshop I

10:30 Lecture & Live Demonstration: Posteromedial Elbow (Tendons & Ligaments) - Normal Anatomy, Scanning Technique, and Pathology

11:30 Lunch Break

12:30 Hands-on Workshop II

14:00 Lecture & Live Demonstration: Nerves around Elbow - Normal Anatomy, Scanning Technique, and Pathology

15:00 Lecture & Live Demonstration: Forearm - Normal Anatomy, Scanning Technique, and Pathology

16:00 Afternoon Snacks

16:15 Hands-on Workshop III

17:45 Questions & Answers / Closing Remarks

Day 2
Wrist (I)

08:00 Morning Snacks

08:30 Lecture & Live Demonstration: Ventral Wrist (Tendons, Ligaments & Retinacula) - Normal Anatomy, Scanning Technique, and Pathology

09:30 Hands-on Workshop IV

11:00 Lecture & Live Demonstration: Nerves around the Wrist - Normal Anatomy, Scanning Technique, and Pathology

12:00 Lunch Break

13:00 Hands-on Workshop V

14:30 Lecture & Live Demonstration: Dorsal Wrist (Tendons, Ligaments & Retinacula) - Normal Anatomy, Scanning Technique, and Pathology

15:45 Afternoon Snacks

16:00 Hands-on Workshop VI

17:30 Questions & Answers / Closing Remarks

Day 3
Wrist (II) & Hand

08:00 Morning Snacks

08:30 Lecture & Live Demonstration: Hand - Normal Anatomy, Scanning Technique, and Pathology

10:30 Lecture & Live Demonstration: Fingers & Thumb - Normal Anatomy, Scanning Technique, and Pathology

11:30 Lunch Break

12:30 Hands-on Workshop VII

14:00 Lecture: Soft-Tissue Masses in the Wrist, Hand, and Fingers

15:00 Afternoon Snacks

15:15 Hands-on Workshop VIII (incl. elbow, forearm, wrist, hand & finger)

16:45 Questions & Answers / Closing Remarks / Photo Ops