



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 medical 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 Upper Limb

MASTERS-3: MSK Ultrasound of the Pelvis & Lower Limb

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-3: MSK Ultrasound of the Pelvis & Lower Limb

This course offers a systematic and comprehensive review of all aspects of Ultrasound of the Pelvis & Lower Limb (Hip, Thigh, Knee, Ankle, Foot, and Posterior Leg).

Course Objectives

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

- Distinguish and identify anatomical landmarks, normal anatomy, anatomical variants, and pathologies.
- Interpret and differentiate sonographic appearances of normal anatomy, anatomical variants, and pathologies.
- Acquire scanning techniques to dynamically assess and obtain ultrasound images of relevant anatomy.
- Generate and optimise ultrasound images using appropriate machine controls, settings, and transducer selection.
- Navigate ultrasound artifacts.
- Outline key clinical questions to determine most likely and differential diagnoses.
- Synthesise sonographic appearances of pathologies with patient presentation into clinical management decisions.
- Evaluate and assess progress through case-based discussions.

Day 1

Pelvis, Hip & Thigh

- 07:00 Morning Snacks / Registration / Opening Remarks / Introduction
- 08:00 Lecture & Live Demonstration: Anterior Abdominal Hernias: a look at fascial architecture and aponeurotic passageways
- 08:45 Hands-on Workshop I
- 09:45 Lecture & Live Demonstration: Anterior Hip - Normal Anatomy, Scanning Technique, and Pathology
- 10:45 Lecture & Live Demonstration: Medial Hip - Normal Anatomy, Scanning Technique, and Pathology
- 11:15 Hands-on Workshop II
- 12:00 Lunch Break
- 13:00 Lecture & Live Demonstration: Lateral Hip - Normal Anatomy, Scanning Technique, and Pathology
- 13:30 Lecture & Live Demonstration: Posterior Hip - Normal Anatomy, Scanning Technique, and Pathology
- 14:00 Hands-on Workshop III
- 14:45 Lecture & Live Demonstration: Thigh Muscles - Normal Anatomy, Scanning Technique, and Pathology
- 15:30 Afternoon Snacks
- 16:00 Hands-on Workshop IV
- 16:45 Questions & Answers / Closing Remarks

Day 2

Knee

- 08:30 Morning Snacks
- 09:00 Lecture & Live Demonstration: Extensor Mechanism- Normal Anatomy, Scanning Technique, and Pathology
- 10:00 Hands-on Workshop V
- 10:45 Lecture: Joint Spaces, Cysts, and Bursae around the Knee
- 11:45 Lunch Break
- 12:45 Lecture & Live Demonstration: Medial Knee - Normal Anatomy, Scanning Technique, and Pathology
- 13:15 Hands-on Workshop VI
- 14:00 Lecture & Live Demonstration: Lateral Knee - Normal Anatomy, Scanning Technique, and Pathology
- 14:30 Hands-on Workshop VII
- 15:15 Afternoon Snacks
- 15:45 Lecture & Live Demonstration: Posterior Knee - Normal Anatomy, Scanning Technique, and Pathology
- 16:30 Hands-on Workshop VIII
- 17:15 Questions & Answers / Closing Remarks

Day 3

Ankle

- 08:30 Morning Snacks
- 09:00 Lecture & Live Demonstration: Dorsal Ankle & Foot: a look to fascial architecture and aponeurotic passageways
- 09:45 Hands-on Workshop IX
- 10:45 Lecture & Live Demonstration: Lateral Ankle (Part I. Tendons) - Normal Anatomy, Scanning Technique, and Pathology
- 11:45 Lunch Break
- 12:45 Lecture & Live Demonstration: Lateral Ankle (Part II. Ligaments & Nerves) -Normal Anatomy, Scanning Technique, and Pathology
- 13:45 Hands-on Workshop X
- 14:45 Lecture & Live Demonstration: Midfoot & Forefoot - Normal Anatomy, Scanning Technique, and Pathology
- 15:30 Afternoon Snacks
- 16:00 Hands-on Workshop XI
- 17:00 Questions & Answers / Closing Remarks

Day 4

Foot

- 08:30 Morning Snacks
- 09:00 Lecture & Live Demonstration: Medial Ankle & Foot - Normal Anatomy, Scanning Technique, and Pathology
- 10:00 Hands-on Workshop XII
- 10:45 Lecture & Live Demonstration: Posterior Leg - Normal Anatomy, Scanning Technique, and Pathology
- 11:45 Lunch Break
- 12:45 Lecture & Live Demonstration: Posterior Ankle & Hindfoot - Normal Anatomy, Scanning Technique, and Pathology
- 13:45 Hands-on Workshop XIII
- 14:45 Lecture & Live Demonstration: Plantar Foot - Normal Anatomy, Scanning Technique, and Pathology
- 15:30 Afternoon Snacks
- 16:00 Hands-on Workshop XIV
- 17:00 Questions & Answers / Closing Remarks / Photo Ops

