



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-4: MSK Ultrasound of the Shoulder & Hip (incl. Arm & Thigh)

This course offers a systematic and comprehensive review of all aspects of ultrasound imaging of the shoulder, arm, hip, and thigh.

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

Shoulder

- 07:00 Morning Snacks /
Registration / Opening
Remarks / Introduction
- 08:00 Lecture & Live
Demonstration: Rotator
Cuff - Normal Anatomy and
Scanning Technique
- 09:00 Hands-on Workshop I
- 10:30 Lecture & Live
Demonstration: Long Head
of the Biceps Tendon and
Rotator Cuff Interval -
Normal Anatomy, Scanning
Technique, and Pathology
- 11:15 Lecture & Live
Demonstration: Shoulder
Girdle Muscles (inc.
Pectoralis Major & Deltoid) -
Normal Anatomy, Scanning
Technique, and Pathology
- 11:45 Lunch Break
- 12:45 Hands-on Workshop II
- 14:15 Lecture & Live
Demonstration: Coracoid
Area & Joint Spaces (inc.
GHJ & ACJ) - Normal
Anatomy, Scanning
Technique, and Pathology
- 15:15 Afternoon Snacks
- 15:30 Hands-on Workshop III
- 17:00 Questions & Answers /
Closing Remarks

Day 2

Arm & Hip (I)

- 08:00 Morning Snacks
- 08:30 Lecture & Live
Demonstration: Nerves
around the Shoulder and
Thoracic Outlet Syndrome -
Normal Anatomy, Scanning
Technique, and Pathology
- 09:30 Hands-on Workshop IV
- 11:00 Lecture & Live
Demonstration: Arm -
Normal Anatomy, Scanning
Technique, and Pathology
- 12:00 Lunch Break
- 13:00 Lecture & Live
Demonstration: Anterior
Abdominal Hernias: a look
at fascial architecture and
aponeurotic passageways
- 14:00 Hands-on Workshop V
- 15:30 Lecture & Live
Demonstration: Anterior Hip
- Normal Anatomy, Scanning
Technique, and Pathology
- 16:30 Afternoon Snacks
- 16:45 Hands-on Workshop VI
- 17:45 Questions & Answers /
Closing Remarks

Day 3

Hip (II) & Thigh

- 08:00 Morning Snacks
- 08:30 Lecture & Live
Demonstration: Medial
Hip - Normal Anatomy,
Scanning Technique, and
Pathology
- 09:00 Hands-on Workshop VII
- 10:00 Lecture & Live
Demonstration: Lateral
Hip - Normal Anatomy,
Scanning Technique, and
Pathology
- 10:30 Hands-on Workshop VIII
- 11:30 Lunch Break
- 12:30 Lecture & Live
Demonstration: Posterior
Hip - Normal Anatomy,
Scanning Technique, and
Pathology
- 13:00 Hands-on Workshop IX
- 14:30 Lecture & Live
Demonstration: Thigh
Muscles - Normal
Anatomy, Scanning
Technique, and Pathology
- 15:30 Afternoon Snacks
- 15:45 Hands-on Workshop X
- 17:15 Questions & Answers /
Closing Remarks / Photo
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