

ADVANCED COURSE:  
**ULTRASOUND OF THE NERVES OF THE  
UPPER LIMB AND ULTRASOUND-GUIDED  
SURGERY TECHNIQUES**

**REGISTRATION FORM IS AVAILABLE ON OUR WEBSITE  
WWW.ICLO.EU**

**REGISTRATION FEE**  
950€+ VAT (1.159€ VAT INCLUDED)

**FEE INCLUDES**  
CATERING SERVICES DURING THE COURSE  
SURGICAL AND EDUCATIONAL MATERIAL  
ITALIAN CME CREDITS  
N. 1 DINNER  
ATTENDANCE CERTIFICATE  
INSURANCE

**CONGRESS VENUES**  
SAN FRANCESCO CLINIC - GHC GROUP  
VIA MONTE ORTIGARA, 21/B - 37127 VERONA



SCAN WITH YOUR PHONE QR CODE TO GET THE NAVIGATOR

**ICLO TEACHING AND RESEARCH CENTER**  
VIA E. TORRICELLI, 15 A - 37135 VERONA



SCAN WITH YOUR PHONE QR CODE TO GET THE NAVIGATOR

WITH THE UNCONDITIONAL SPONSORSHIP OF



**COURSE VENUES**

San Francesco Clinic - GHC Group  
Via Monte Ortigara, 21/b - 37127 Verona

ICLO Teaching and Research Center  
Via E. Torricelli, 15/a - 37135 Verona



**ORGANIZING SECRETARIAT**

ICLO Verona SRL  
Mob: +39 391 10 74 581  
Ph. +39 045 2590046  
info@iclo.eu - www.iclo.eu

**ITALIAN CME CREDITS**

**ID: 6976-442046 Ed. 1 - CREDITS: 17,4**

**PROFESSIONS:**

Surgeon, Neurophysiopathology Technician, Medical  
Radiology Technician, Physiotherapist

**DISCIPLINES**

Anesthesia, Neurosurgery, Neurophysiopathology,  
Neurology, Orthopedics and Traumatology, Physical  
Medicine and Rehabilitation, Neurophysiopathology  
Technician, Medical Radiology Technician,  
Physiotherapy, Plastic Surgery

**EDUCATIONAL GOAL**

Technical-professional content (knowledge and skills)  
specific to each profession, each specialization, and each  
ultra-specialized activity. Rare diseases.

Under the patronage of



**ADVANCED COURSE  
ULTRASOUND OF THE NERVES  
OF THE UPPER LIMB AND  
ULTRASOUND-GUIDED  
SURGERY TECHNIQUES**

**February 28<sup>th</sup> - March 1<sup>st</sup>, 2025**

**San Francesco Clinic - GHC group Verona (February 28<sup>th</sup>)**  
**ICLO Teaching and Research Center Verona (March 1<sup>st</sup>)**

**SCIENTIFIC DIRECTORS**

**ALBERTO DONADELLI**  
**GIAMPIETRO ZANETTE**

**FACULTY**

ANTONIO BRANDO MILANO  
ENRICO CARITÀ VERONA  
ALBERTO DONADELLI VERONA  
XAVIER GUEFFIER ISÈRE - FRANCE  
SEBASTIAN KLUGE ZÜRICH - SWITZERLAND  
IGNAZIO MARCOCCIO BRESCIA  
LUCIAN MARCOVICI ROMA  
STEFANO TAMBURIN VERONA  
ALESSANDRO ZALAFFI SIENA  
GIAMPIETRO ZANETTE VERONA

**ITALIAN CME CREDITS**





## ADVANCED COURSE ULTRASOUND OF THE NERVES OF THE UPPER LIMB AND ULTRASOUND-GUIDED SURGERY TECHNIQUES

### ABSTRACT

Nerve and musculoskeletal ultrasound has become an essential examination for the study of upper limb pathologies, particularly those of the peripheral nervous system, to the point of replacing and/or complementing neurophysiological examinations or electromyography. Unfortunately, high-quality HRUS studies are still not widely available across the national territory. The aim of the course is to disseminate current knowledge and skills for performing the examination in the study of both the most common and rarer nerve pathologies, including traumatic ones. Practical exercises will be conducted, and clinical cases will be discussed, focusing on the study of the median, ulnar, and radial nerves in compressive and degenerative conditions. There will be extensive discussion on the therapies to be adopted, both pharmacological, surgical, and rehabilitative.

### FRIDAY, FEBRUARY 28<sup>TH</sup>

#### SAN FRANCESCO CLINIC - GHC GROUP

- 08:00 Registration
- 08:20 Course presentation - A. Donadelli, G. Zanette
- 08:30 Functional anatomy and ultrasound - S. Tamburin
- 08:50 Compressive syndrome: from the most common to the rarest - I. Marcoccio
- 09:10 Sonographic setting, basic technique in neuroecography - G. Zanette
- 09:30 Sonographic setting, my experience in upper limb - A. Zalaffi
- 10:00 Coffee break
- 10:15 Ultrasound in upper arm (nerves)  
A. Zalaffi, G. Zanette
- 10:45 Hands-on with high definition probes

- 13:00 Light Lunch
- 13:50 The rationale for the use of nutraceuticals in nerve disorders of the upper limb - A. Donadelli
- 14:00 Parsonage turner syndrome or hourglass like constriction? The importance of correct diagnosis - I. Marcoccio
- 14:15 Sonographic setting, basic technique in hand surgery - S. Kluge
- 15:00 Surgical applications of sonography in hand surgery - X. Gueffier
- 15:30 Coffee break
- 15:40 Hands-on: from ostearticular to nerves  
X. Gueffier, S. Kluge, S. Tamburin,  
A. Zalaffi, G. Zanette
- 17:15 Clinical cases - E. Carità, A. Donadelli,  
I. Marcoccio, L. Marcovici
- 18:15 Discussion on the above topics
- 18:30 End of the first day's work

### SATURDAY, MARCH 1<sup>ST</sup>

#### ICLO TEACHING AND RESEARCH CENTER

- 08:30 Briefing
- 08:40 My experience in ultrasound-guided surgery - A. Brando
- 08:50 Cad lab nerve dissection and clinical ultrasound analysis main pathologies
- 10:10 Coffee break
- 10:20 Cad lab trigger finger release: ultrasound analysis, diagnosis, ultrasound-guided puleggiotomy
- 11:00 Cad lab carpal tunnel syndrome: ultrasound analysis, diagnosis, ultrasound syndesmotomy
- 11:30 Cad lab: ultrasound-guided epicondyloid release
- 12:00 CME test
- 12:30 Course closure

During hands-on sessions all Faculty will stay in wet lab room to support participants

In case of any last-minute absences, replacement will be arranged with speakers already included in the scientific program (with the same field of expertise), or alternatively, the presentation will be delivered by the Scientific Coordinator

### SCIENTIFIC DIRECTORS

ALBERTO DONADELLI  
GIAMPIETRO ZANETTE

### FACULTY

ANTONIO BRANDO

MILANO

ENRICO CARITÀ

VERONA

ALBERTO DONADELLI

VERONA

XAVIER GUEFFIER

ISÈRE-FRANCE

SEBASTIAN KLUGE

ZURICH – SWITZERLAND

IGNAZIO MARCOCCIO

BRESCIA

LUCIAN MARCOVICI

ROMA

STEFANO TAMBURIN

VERONA

ALESSANDRO ZALAFFI

SIENA

GIAMPIETRO ZANETTE

VERONA