The lessons have a “theoretical/practical” character, thus “numerus clausus” necessarily applies. They feature an “integrated” programme of clinical ultrasonography. The 1st level course provides an introduction to ultrasound and the “basic” approach to the examination method, as well as some monographic topics (paying particular attention to the clinician’s needs); the 2nd level course deals with the study of all the different “Doppler” examination methods, their applications in nephrology, the presentation of the most advanced technologies and their application potential, together with more complex monographic topics, being however aware that B-mode and the different forms of Doppler diagnostics can’t be completely separated.

The two courses are therefore in many respects complementary, although the approach is graded to respect individual learning times and to allow participants to acquire as good a command of the method as possible. Lessons are held in Italian, although discussion in English with teachers/tutors is possible during practical training.

THE FACULTY
Simone Andrulli MD - Lecco
Prof. Libero Barozzi - Bologna
Michele Bertolotto MD - Trieste
Daniela Bokor MD - Milan
Prof. Fabrizio Calliada - Pavia
Mauro Dugo - Treviso
Franco Galli MD - Pavia
Alfredo Goddi MD - Varese
Giuseppe Lombardi MD - Brescia
Alessandra Massoglia MD - Pavia
Fabio Milanesi MD - Voghera
Marcello Napoli MD - Galatina (Lecce)
Maura Orrù MD - Cagliari
Bortolo Perin MD - Monselice (Pd)
Claudio Seddio MD - Brescia
Carla Serra MD - Bologna
Annalisa Sini MD - Oristano
Pulvio Staclu MD - Trieste
Pietro Tarantola MD - Milano
Giacomina Tomasini MD - Esine (Bs)
Gianpaolo Vidili MD - Sassari

THE SCIENTIFIC DIRECTOR
Prof. Gherardo Buccianti
President of Buccianti Foundation
for research on and prevention of renal and cardiovascular disease

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2nd LEVEL COURSE:
november 6th-10th 2017
(numerus clausus - max 15 attendees)

organised by
“Associazione Manuela Ravelli”
Promoting US Initiatives and Techniques
Legal head quarters: Via Cefalonia, 55 - Brescia (Italy)

Course location:
Centro Pastorale Paolo VI
Via Gezio Calini, 30 - Brescia (Italy)

The course is included in the ministerial CME programme
MONDAY 6TH NOVEMBER
8.30-8.45 • Participant registration
8.45-9.00 • Welcome to attendees
Introducing the school and the course
President of Brescia Board of Medicine/Prof. Gherardo Buccianti – Scientific Director
9.00-10.50 • Haemodynamics principles and Doppler technology
Alfredo Goddi MD
10.50-11.00 • Coffee-break
11.00-12.30 • US and Echo Color Doppler approach to abdominal aorta and renal vessels:
1) How to explore by US
2) Normal and pathological patterns
3) Instructions for a correct medical report
Fabio Milanesi MD
12.30-13.30 • The abdomen and the kidney in emergency medicine: FAST
Prof. Libero Barozzi
14.45-18.00 • Practical session on patients with tutors
Fabio Milanesi MD - Alfredo Goddi MD - Prof. Libero Barozzi

TUESDAY NOVEMBER 7TH
8.30-9.30 • US and Echo Color Doppler study of the supra aortic vessels
Giacomina Tomassini MD
9.30-11.00 • 1) US and abdominal aorta: aneurysmatic disease; focus on the aorta wall; US study of lymph nodes along aortic and abdominal vessels.
2) An overview of transcranial doppler with particular reference to the diagnostic potential of recent US technologies (UCA)
Bortolo Perin MD
11.00-11.15 • Coffee-break
11.15-12.00 • US-guided VCC insertion (1st part): echoanatomy, how to proceed, early and late complications.
Attaining safety in the procedure
Franco Galli MD
12.00-13.00 • US-guided VCC insertion (2nd part): Tesio catheter – insertion and management of “normal” pattern and complications
Maura Orrù MD
14.00-17.30 • Practical session with tutors
Franco Galli MD, Alessandra Massoglia MD, Simeone Andrulli MD
17.30-18.30 • Renal resistive index variations in hepatorenal syndrome and in hepatic diseases
Carla Serra MD

THURSDAY NOVEMBER 9TH
8.30-9.00 • The future for Ultrasound: the state of the art. UCA: from intuition in physics, to the development of the technology
Daniela Bokor MD
9.00-9.40 • UCA: potential clinical applications, not only in nephrology. The challenges of new US technologies
Prof. Fabrizio Calliada
9.40-10.10 • Contrast-induced nephropathy: the state of the art from the radiologist’s point of view
Fulvio Stacul MD
10.10-10.30 • Coffee-break
10.30-11.00 • UCA in space-occupying lesions in the kidney
Michele Bertolotto MD
11.00-13.00 • US and Echo Doppler in thyroid study
1) Echoanatomy and examination method
2) Normal and pathological patterns
3) The current role of ultrasonography in parathyroid diagnostics approach
4) Instructions for a correct medical report
Giampaolo Vidili MD
14.00-18.00 • Practical session with tutors
Giampaolo Vidili MD, Simeone Andrulli MD, Mauro Dugo MD

FRIDAY NOVEMBER THE 10TH
9.00-11.00 • US and Echo Color Doppler kidney transplant evaluation
1) Methodological approach
2) Differential diagnosis of medical and surgical complications
3) Normal and pathological patterns
4) Instructions for a correct medical report
Mauro Dugo MD
11.00-11.15 • Coffee-break
11.15-13.15 • Ultrasonography and Doppler study in Acute and Chronic Renal Insufficiency
Simeone Andrulli MD
14.15-16.45 • Practical session with tutors
Simeone Andrulli MD, Mauro Dugo MD, Giampaolo Vidili MD
16.45-17.00 • Conclusions and award of certificates of attendance
17.00 • Learning assessment test