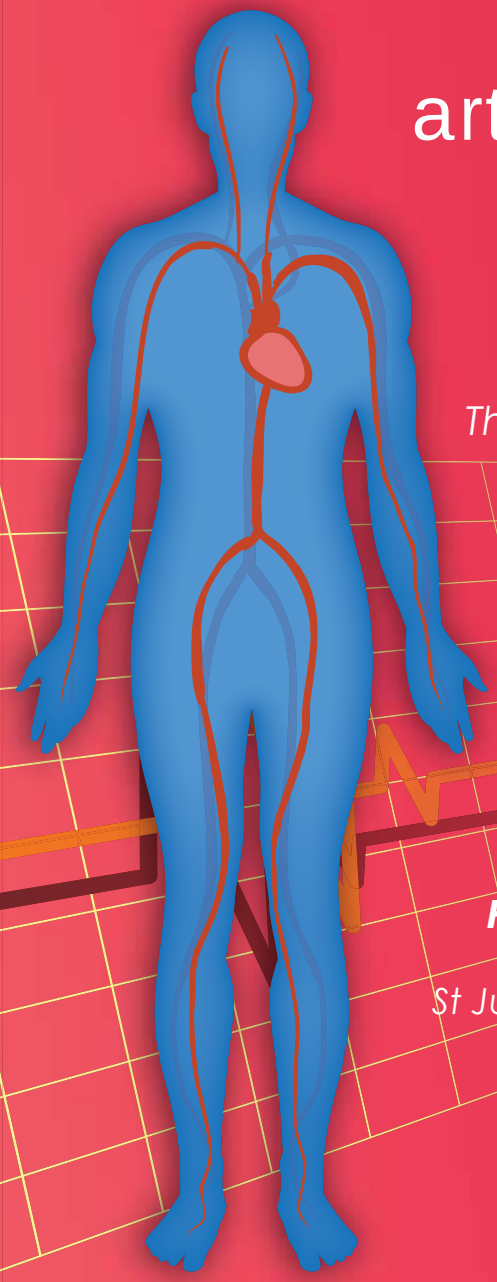
Master Class on evaluation of arterial stiffness in the context of cardiovascular disease

Theoretical & Practical Course

3rd edition



Malta

16th - 18th April 2018

HOTEL GOLDEN TULIP VIVALDI
Dragonara Road - STJ 06
St Julians Triq Dragunara, San Ġiljan

Endorsed by

ISTITUTO AUXOLOGICO ITALIANO
Istituto di ricovero e cura a carattere scientifico

EBAC accreditation

Scientific rationale

The course is aimed at increasing the awareness of parameters such as Pulse Wave Analysis, Central Blood Pressure and Arterial Stiffness and their role in organ damage in patients with essential Hypertension.

It is well known that arterial stiffness is an independent risk factor for cerebro- and cardiovascular events in hypertensive subjects. Since this parameter could be modifiable by optimal antihypertensive treatment, a better understanding of its measurement and values could help physicians to improve the treatment of hypertension in their everyday clinical practice.

During the class, physicians will be provided with background essential information for assessing arterial stiffness as well as practical training on the instruments with live measurements throughout the course. Special attention will be given to the role of aorta and large elastic arteries in the cardiovascular hemodynamics and in determining blood pressure values and how to assess arterial stiffening through carotid-femoral Pulse Wave Velocity (aortic PWV) as the non-invasive gold-standard method for arterial stiffness evaluation.

Scientific director

Gianfranco Parati (Italy)

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Speakers and Tutors

Corrado Baldi (Italy)
Andrea Grillo (Italy)
Francesco Moretti (Italy)
Gianfranco Parati (Italy)
Matteo Rovina (Italy)
Lucia Salvi (Italy)
Paolo Salvi (Italy)
Giulia Simon (Italy)

DAY 1 | Monday, 16th April

14.00	Welcome and Introduction	
14.15	Hypertension Management in Year 2018	*G. Parati*
14.45	Arterial Stiffness and Left Ventricular Systolic Dysfunction	*A. Grillo, P. Salvi*
15.15	Assessment of Aortic Stiffness: Methodological Aspects	*L. Salvi*
15.30	Practical Activity: Evaluation of Pulse Wave Velocity	*Tutors*
16.30	**Coffee Break**	
17.00	Arterial Stiffness and Cardiovascular Risk	*A. Grillo*
17.10	Practical Activity: Evaluation of Pulse Wave Velocity	*Tutors*
18.50	Aortic Stiffness and Diastolic Pump Failure	*A. Grillo*
19.00	Closing of day 1	

DAY 2 | Tuesday, 17th April

09.00	Arterial Stiffness and Blood Pressure Variability	*G. Parati*
09.30	Applanation Tonometry	*A. Grillo*
09.40	Practical Activity: Evaluation of Pulse Wave Velocity	*Tutors*
11.00	**Coffee break**	
11.30	Pulse Wave Velocity in Muscular and Elastic Arteries	*F. Moretti*
11.40	Practical Activity: Evaluation of PWV in Muscular Arteries	*Tutors*
13.00	**Lunch**	
14.00	Central Blood Pressure and Pulse Wave Analysis	*A. Grillo*
14.30	Parameters Defined in Pulse Wave Anvalysis	*F. Moretti*
14.40	Practical Activity: Evaluation of Central Blood Pressure	*Tutors*
16.30	**Coffee break**	
17.00	Blood Pressure Amplification and Cardiovascular Risk	*F. Moretti*
17.10	Practical Activity: Pulse Wave Analysis	*Tutors*
19.00	Closing of day 2	

DAY 3 | Wednesday, 18th April

09.00	Aortic Stiffness and Subclinical Myocardial Damage	*L. Salvi, P. Salvi*
09.20	Subendocardial Supply and Demand Ratio (SEVR)	*L. Salvi*
09.30	Practical Activity: Pulse Wave Analysis and SEVR Assessment	*Tutors*
11.00	**Coffee break**	
11.30	Practical Activity: PWV and Pulse Wave Analysis	*Tutors*
12.00	Learning Test	
13.30	Closing Remarks	*G. Parati, P. Salvi*

Info CME accreditation

This programme is accredited by the European Board for Accreditation in Cardiology (EBAC) for “14” hour(s) of external CME credit(s). Each participant should claim only those hours of credit that have actually been spent in the educational activity. EBAC works according to the quality standards of the European Accreditation Council for Continuing Medical Education (EACCME), which is an institution of the European Union of Medical Specialists (UEMS).

In compliance with EBAC guidelines, all speakers/ chairpersons participating in this programme have disclosed or indicated potential conflicts of interest which might cause a bias in the presentations. The Organizing Committee/Course Director is responsible for ensuring that all potential conflicts of interest relevant to the event are declared to the audience prior to the CME activities.

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