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SUMMERSCHOOL CARDIOLUNG 2019:

Updates in Cardiovascular and Pulmonary Pathophysiology

a University of Pisa Initiative for International Students

by Department of Surgical, Medical, Molecular Pathology and Critical Care Medicine

Course Directors:

Prof. Carlo Palombo and Prof. Raffaele De Caterina

Venue:

University of Pisa Botanical Garden, Aula Gaetano Savi, Via Porta Buozzi 3

Lectures Program

June 24th AM

- 8.30 Registration of participants.
Eleonora ANDREOTTI, Carmela MORIZZO & Carlo PALOMBO, Pisa
- 9.30 **Introduction to the course**
Welcome address, **Francesco MARCELLONI**, Pisa
Summer School in the Department activity, **Riccardo ZUCCHI**, Pisa
Summer School as a Multidisciplinary programme, **Mario MARZILLI**, Pisa
- 10.00 Defining cardiovascular disease: a systemic disease with multiple clinical entities.
Mario MARZILLI, Pisa
- 10.45 Coronary pathophysiology. **Mario MARZILLI**, Pisa
- 11.30 COPD as a systemic disease, **Leonardo M. FABBRI**, Modena & Reggio Emilia
- 12.30 Assessing functional capacity in the pulmonary patient. **Paolo PALANGE**, Roma

PM

- 15.00 Large artery structure and function. **Carlo PALOMBO**, Pisa
- 16.30 The University of Pisa for international students. **Paola CAPPELLINI**, Pisa
- 17.00 Introduction to the University of Pisa Museum System (SMA).
Sabrina BALESTRI, Chiara BODEI, Pisa

June 25th

AM

- 9.00 Global cardiovascular disease burden: ethnicity, environment and genes.
Kennedy J CRUICKSHANK, London
- 10.00 Tracking cardiovascular risk from early life, through adolescence to adults.
Kennedy J CRUICKSHANK, London
- 10.30 Stable coronary artery disease and acute coronary syndromes:
common background or different diseases. **Doralisa MORRONE**, Pisa
- 11.30 Cell-derived microparticles: signaling between endothelium, coagulation and inflammation.
Alessandro CELI, Pisa

PM

- 14.00 Principles of myocardial energetics. **Fabio RECCHIA**, Pisa
- 15.00 Mitochondrial dysfunction in cardiac disease. **Giacinta GUARINI**, Pisa
- 16.00 From cardiac morphology to molecular analysis: insight from MRI. **Giovanni AQUARO**, Pisa
- 17.00 Molecular biomarkers in left ventricular hypertrophy. **Iacopo FABIANI**, Milano

June 26th

AM

- 9.00 Early Vascular Ageing (EVA) - a new concept to understand the association between
ageing and cardiovascular disease. **Peter M NILSSON**, Lund
- 10.30 Arterial calcifications in acquired metabolic and genetic diseases.
Georges LEFTHERIOTIS, Nice
- 11.30 Cognitive impairment and cardiovascular disease. **Ubaldo BONUCCELLI**, Pisa
- 12.30 Guided tour to the University of Pisa Anatomical Museum, Medical School,
Gianfranco NATALE, Pisa

PM

- 15.00 Peripheral arterial disease: a surgeon perspective. **Mauro FERRARI**, Pisa
- 16.00 "Omics" of genetically determined and acquired aortic diseases. **Riccardo LIGA**, Pisa
- 17.00 The aortic disease spectrum: refining pathologic classification to improve clinical
management. **Angela PUCCI**, Pisa

June 27th

AM

- 9.00 Principles of exercise physiology. **Arno SCHMIDT-TRUCKSÄSS**, Basel
- 10.00 Personalizing exercise protocols in prevention and rehabilitation.
Arno SCHMIDT-TRUCKSÄSS, Basel
- 11.00 Managing complexity and evidence in medicine: ethical principles for making clinical decisions. **Alan G. FRASER**, Cardiff and Leuven
- 12.00 Heart failure beyond ejection fraction: rethinking diagnosis from first principles.
Alan G. FRASER, Cardiff and Leuven

PM

- 14.30 Cardiovascular disease in the emergency department. **Lorenzo GHIADONI**, Pisa
- 15.30 Marfan syndrome. **Guglielmina PEPE**, Firenze
- 16.30 New treatment perspectives for genetic diseases. **Raffaele COPPINI**, Firenze

June 28th

AM

- 9.00 Carotid plaque vulnerability and stroke: from molecular biology to imaging.
Jan NILSSON, Lund
- 10.00 Atrial fibrillation in the XXI Century: the old and the new. **Raffaele DE CATERINA**, Pisa
- 11.00 Atrial fibrillation relapses predictors. **Giulio ZUCHELLI**, Pisa
- 12.00 Sudden cardiac death in the young. **Stefano VIANI**, Pisa

PM

- 14.30 Arterial pulmonary hypertension: advances in pathophysiology and new therapeutic targets.
Rosalinda MADONNA, Chieti
- 15.30 Advances in lung imaging. **Chiara ROMEI**, Pisa
- 16.30 Pulmonary disease burden in the XXI century: causes and perspectives.
Giovanni VIEGI, Palermo
- 17.30 The psychobiological bases of meditation and its positive effects on distress.
Angelo GEMIGNANI, Pisa

June 29th

AM

- 9.00 Personalized medicine in COPD. **Pierluigi PAGGIARO**, Pisa
- 10.00 Calcific aortic valve disease: epidemiology and pathophysiologic phenotypes.
Anna Sonia PETRONIO, Pisa
- 11.00 Health between science and humanism. **Stefano TADDEI**, Pisa

12.00 Stress cardiomyopathy. **Emanuela TURILLAZZI** and **Marco DI PAOLO**, Pisa

13.00 Perspectives in cardiovascular research. **Raffaele DE CATERINA**, Pisa

13.30 LUNCH

PM

14.30 Final evaluation test and awarding of diplomas

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