

CORONARY ARTERY DISEASE RISK IN THE III MILLENNIUM

Bio-Imaging Markers and Artificial Intelligence

OCTOBER, 13th - 15th 2022

FONDAZIONE TOSCANA G. MONASTERIO - CNR AREA, PISA

IN COLLABORATION WITH CNR INSTITUTE OF CLINICAL PHYSIOLOGY

THE "3I" PISA CONGRESS: "IMAGING, INNOVATION, INTERNATIONAL"



OCTOBER 13TH 2022

14.00 Welcome: **M. Torre, F. Recchia**

Program Introduction: **F. Cademartiri, A. Gimelli, P. Iozzo, D. Neglia**

IMAGING MARKERS OF CAD RISK: EVIDENCE

(**A. Gimelli, D. Neglia**)

14.30 The Current International Landscape: Clinical Use and GLs (**V. Delgado**)

14.45 The Role of Coronary CT Angiography: Plaques Features (**S. Achenbach**)

15.00 Integration of Imaging: Coronary Plaques and Myocardial perfusion (**J. Knuuti**)

15.15 The Continuum of CAD: Do We Need to Image the Risk? (**R. De Caterina**)

15.30 Panel discussion

16.00 Coffee break

IMAGING MARKERS OF CAD RISK: PERSPECTIVES

(**F. Cademartiri, R. Liga**)

16.15 New Applications of Nuclear Molecular Imaging (**J. Thackeray**)

16.30 New Applications of Cardiac CT (**D. Andreini**)

16.45 New Applications of CMR (**M. Westwood**)

17.00 New Applications of Invasive Coronary Imaging (**M. Coceani**)

17.15 Panel discussion

OCTOBER 14TH 2022

NON IMAGING MARKERS OF CAD RISK: EVIDENCE

(**A. Natali, D. Neglia**)

09.00 Biomarkers of Cad Risk (**C. Caselli**)

09.15 From Genomics to Metabolomics (**G. Condorelli**)

09.30 Emerging Residual Risk (**U. Landmesser**)

09.45 Panel discussion

10.15 Coffee break

NON IMAGING MARKERS OF CAD RISK: PERSPECTIVES

(**R. Sicari, L. Gargani**)

10.30 Exosomes: the Next Generation Teranostic Tools (**V. Lionetti**)

10.45 Back to the Future: Lipid Profile or Lipidomics? (**S. Rocchiccioli**)

11.00 Biobanking, Genetic and Clinical Data (**M. Ciullo**)

11.15 The Need for "Artificial Brains" (**A. Sakellarios**)

11.30 Panel Discussion

12.00 Meet the experts

13.00 Lunch break

OCTOBER 14TH 2022

ARTIFICIAL INTELLIGENCE AND PERSONALIZED IMAGING: THE 2022 EVIDENCE

(**O. Parodi, A. Clemente**)

14.00 AI and Coronary CT: the Added Value of Radiomics? (**M. Kolossvary**)

14.15 AI and "CMR Fingerprinting": the "In Vivo" Pathology (**M. Friedrich**)

14.30 AI Pitfalls in Multimodality Imaging (**F. Cademartiri**)

14.45 Panel discussion

ARTIFICIAL INTELLIGENCE AND PERSONALIZED IMAGING: THE 2050 PERSPECTIVE!

(**R. De Caterina, C. Passino**)

15.15 AI and Integrated Models of CAD Risk (**M. Dweck**)

15.30 The Future of Artificial Intelligence for Precision Medicine (**S. Petersen**)

15.45 "Big Data" The New Frontiers of Personalized Medicine (**B. Casadei**)

16.00 Panel discussion

16.30 Coffee break

CAD RISK EVALUATION: FROM "COMPLEXITY" TO "SIMPLICITY": NUMBERS VS CLINICS

Presentation: **A. Gimelli**

16.45 Key Note Lecture: **L. Shaw**

OCTOBER 15TH 2022

CAD RISK WITH AGING: FROM "SIMPLICITY" TO "COMPLEXITY": CELLS VS HUMANS

Presentation: **F. Recchia**

09.00 Key Note Lecture: **G. Camici**

NEW HORIZONS OF BASIC RESEARCH TARGETING ATHEROSCLEROTIC DISEASE

(**P. Iozzo, F. Recchia**)

09.30 Mice Models of Atherosclerosis (**C. Kusmic**)

09.45 Endothelial Cells Damage/Protection (**R. Madonna**)

10.00 Micro-Imaging and Vascular Damage (**D. Panetta**)

10.15 Panel discussion

10.45 Coffee break

CAD RISK IN THE III MILLENNIUM: KEEP IT REAL!

(**G. Casolo, G. Turchetti**)

11.00 Still a Role for Pathophysiology in the AI Era (**F. Crea**)

11.15 One Cent More for My Health (**R. Friebel**)

11.30 E-Health Care, Regulatory and Ethic Issues (**E. Caiani**)

11.45 "Imaging" the Future: the New Challenges (**F. Bengel**)

12.00 Panel discussion

12.30 Concluding Remarks: **F. Cademartiri, A. Gimelli, P. Iozzo, D. Neglia**

GENERAL INFORMATION

VENUE Auditorium CNR Pisa Via G. Moruzzi, 1 - 56124 Pisa, Italy

ORGANIZING COMMITTEE Filippo Cademartiri, Alessia Gimelli, Danilo Neglia

SCIENTIFIC DIRECTOR Danilo Neglia

SCIENTIFIC COMMITTEE Filippo Cademartiri, Chiara Caselli, Alberto Clemente, Alessia Gimelli, Patricia Iozzo, Danilo Neglia, Fabio Recchia, Silvia Rocchiccioli

ORGANIZING SECRETARIAT

BBV Gastaldi Events Piazza della Vittoria 12/2 - 16121 Genova, Italy

Tel. +39 010 354556 - Email: registration@bbvitalia.com

CONGRESS REGISTRATION

The on-line registration for the 3I Pisa Congress is now open!

ECM: 11,2 ECM Credits for: Cardiology, Endocrinology, Metabolic Diseases and Diabetology, Internal Medicine, Heart Surgery, Vascular Surgery, Nuclear Medicine, Clinical Pathology, Radiodiagnostic, Biology.

REGISTER
ON-LINE
NOW



Registration fee: € 150,00 (VAT 22% included)

The registration fee includes:

- Admission to Scientific Sessions and Satellite Symposia
- Coffee breaks and lunch and Social Dinner on October 14th
- ECM credits
- Certificate of attendance

Doctor Under Training

The attendance for Doctor Under Training is free of charge. Social Dinner for Doctor Under Training: € 50,00

PAYMENT

Bank transfer within 5 days from on-line registration. C/C Banca Carige S.p.A.

BBV Italia Srl - IBAN IT03G0617501403000002652080

Description: 3I Pisa Congress - 6334 <Surname, Name>

Do you need any help?

For further questions and further information, please contact our registration team:

registration@bbvitalia.com - Tel. +39 010 354556