

# 6<sup>th</sup> APELSO 2023 &


## The 55<sup>th</sup> Annual Scientific Meeting of the Korean Society for Thoracic & Cardiovascular Surgery

*"Post Pandemic, New Standards"*

November 2(Thu) ~ 4(Sat), 2023 | Grand Intercontinental Seoul Parnas, Seoul, Korea



### Curriculum Vitae

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#### **Educational Background**

School of Medicine, University of Milan (Italy) – PhD at the Maastricht University (Maastricht, The Netherlands) – MBA at LUISS University (Rome, Italy) – Master on Artificial Heart and Circulatory Support, at University Pierre & Marie Curie, La Pitie' Hospital, Paris (France) – Clinical and research fellowship by the University of Alabama (Birmingham), Catholic University of Leuven (Belgium), Maastricht Research Centre (PhD program).

#### **Professional Career**

EACTS Young Investigator's Award (1995) – EACTS Lillehei Award (1997) – Research Fellow Maastricht University – Clinical Fellow Catholic University, Leuven, Belgium (1995-1996) – Staff Member, Cardiac Surgery Unit, Brescia (Italy) – Head of Cardiac Surgery Experimental Laboratory and Head of the Heart Failure Surgical Therapy Unit, Community Hospital, Brescia (Italy) – Staff Member, Maastricht University Medical Centre (from 2015) – Deputy Director, Cardio-Thoracic Surgery Department – Associate Professor (2016-2018) Maastricht University – Full Professor of Cardiac Surgery and Extracorporeal Life Support, Maastricht University (from 2019) – Chair-Elect (2022-2024), Cardiovascular Surgery Working Group, the European Society of Cardiology - Founder, Conference Chair, and Past Chair of Euro-ELSO (2011, 2012-2014, 2015-2017) – Honorary Secretary Euro-ELSO (2023-2028) – ELSO Executive Board Member (2015-2017) – ELSO Research Committee Chair (2023-2026) – More than 5.500 open heart procedures as first surgeon (clinically and experimentally).

#### **Research Field**

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Alternative surgical techniques for dilated cardiomyopathy (PhD Thesis) – Bioprosthetic cardiac valve degeneration – Post-acute myocardial infarction mechanical complications – Extracorporeal circulation – Extracorporeal life support – Acute myocarditis – Endocarditis – Ventricular assist devices – Mitral valve regurgitation, repair and replacement – Aortic valve stenosis management – Diabetes mellitus and impact on cardiac surgery outcome – Post-cardiotomy bowel ischemia – Vasoplegia – Septic shock – Post-cardiotomy shock – Right ventricular failure and support – Extracorporeal life support and COVID-19 – Myocardial protection – Acute pulmonary embolism – Acute coronary syndrome – Graft structure and function in CABG – Computational and in-vitro models of circulatory support – Research and development of new circulatory support devices – Principal Investigator of clinical and pre-clinical multi-centre national and international studies.

### Papers, Books, etc. presented or published by your name

- 5<sup>th</sup> and 6<sup>th</sup> ELSO Red Book (Guest Editor)
- ELSO Specialist Training Manual (Guest Editor)
- ELSO Monograph on Post-Cardiotomy ECLS in Adult Patients (Senior Editor)
- More than 1.000 publications (abstracts, original papers, book chapters, editorials, etc.) with publications in NEJM, Lancet, Lancet Respiratory Medicine, Circulation, JACC, Intensive Care Medicine, Critical Care Medicine, and other high-ranking journals
- More than 600 publications on PubMed