# **CURRICULUM VITAE**

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### ***Sandro Sponga, MD, PhD***

Date and place of birth: 10/04/1977, Feltre (BL) Italy.

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## Studies

1997-2002 Medical School

University of Ferrara, Doctor of Medicine (MD), 2002

110/110 cum laude

Thesis: Radiofrequency ablation of patients undergoing cardiac surgery operation

2003-2007 Cardiac Surgery Residency

University of Padua Medical School (70/70 cum laude)

Cardiac Surgery Board (70/70 cum laude), 2008

Thesis: Patients with biventricular heart failure: LVAD or BVAD implantation after levosimendan treatment

2008-2011 Cardiovascular Sciences Doctorate

University of Padua Medical School, Padua, Italy

Degree: Philosophiæ Doctor (PhD) in Cardiovascular Science, 2012

Thesis: Heart Transplantation and Mechanical Circulatory Support: A synergy in the era of donor organ shortage

## 2009-2011 Post-Doctoral Clinical and Research Fellowship

## Aortic valve surgery, TAVI and ventricular assist devices

## Quebec Heart and Lung Institute, Quebec City, Canada

## 2021-2022 Master in Cardiovascular Pathology

University of Padua Medical School, Padua, Italy

## Cardiovascular training

2003-2007 Cardiac Surgery Residency at University of Padua Medical School, Padua, Italy

2006-2007 Clinical fellowship on Ventricular Assist Devices and Heart Transplantation, German Heart Institute Berlin, Germany

2007-2008 Clinical fellowship on mitral valve repair. Hospital Universitario Son Dureta, Palma de Mallorca, Spain.

2009-2011 Clinical fellowship, Quebec Heart and Lung Institute, Québec City, Canada

2009, January Observer Fellowship at Leipzig Heart Center, Leipzig, Germany for TAVI training

2010, April Observer Fellowship at Toronto General Hospital, Toronto, Ontario, Canada

2018, September Observer Fellowship at Papworth Hospital, Cambridge, UK for pulmonary thromboendarterectomy

## Appointments

2008-2009 Junior Staff, Cardiovascular Surgery Department, Gavazzeni-Humanitas Hospital, Bergamo, Italy

2011 to the present Consultant, Cardiothoracic Department, University of Udine Medical School, Italy

2019-2020 Adjunct Professor, Medical Department, University of Udine

2021 to the present Associate Professor in Cardiac Surgery, Medical Department, University of Udine

2022 to the present Director of training program in Cardiac Surgery, University of Udine

## Surgical experience

## Cardiac surgery operation performed as first surgeon n=1400

CABG (including off pump and MIDCAB) =716

AVR (including minimal invasive AVR and TAVI) n=339

MVR and repair (including minimally invasive MVR) n=111

Aortic surgery (including aortic dissection and aortic arch surgery) n=87

Heart failure surgery n=53

Other n=94

Cardiac surgery operation performed as assistant or supervisor = 1642

## Scientific interests and publications

Surgery of advanced heart failure (Heart transplantation, MCS, ex-vivo perfusion)

Minimally invasive surgery (MIDCAB, Mitral valve repair in minithoracotomy, sutureless, TAVI)

Endocarditis

Translational medicine

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| **Abstract /oral presentation** 140  **Published articles** 108  Google scholar  Citation Index 1281, H-Index 17  Scopus  Citation Index 1064, H-Index 15  WOS  Citation Index 873, H-Index 14 Books Therapeutic Drug Monitoring of Micophenolate Mofetil in Cardiac Transplant Patients by Limited Sampling Strategy: An Update. Titolo del libro: Topics in Heart Failure Management. Casa Editrice: IntechOpen. Autori: Baraldo M, Sponga S and Livi U  Altre valvulopatie. Titolo del libro: Chirurgia - Basi teoriche e Chirurgia generale. Dionigi. Casa Editrice Edra-Masson. Autori: Livi U, Sponga S, Vendramin I (in press) |
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## Miscellaneous

Delegate of the ESOT (European Society of Organ Transplantation) for European Guidelines on Machine Perfusion

Delegate of the Italian Society of Cardiac Surgery for GIROC (Italian research network for research on cardiac surgery outcomes)

Delegate of the Italian Society of Cardiac Surgery for CONSIP (medical device and tenders)

Delegate of the Italian Society of Cardiac Surgery for the Adult Cardiac Surgery Domain

Faculty of European School for Cardio-Thoracic Surgery 2008

Editorial board of the Journal of Cardiovascular Medicine

Editorial board of the SICCH Magazine

Reviewer of European Journal of Cardio-Thoracic Surgery

Reviewer of Journal of Heart and Valve Disease

Reviewer of Asian Annals of Thoracic Surgery

Reviewer of Clinical Medical Reviews and Case Reports

Reviewer of International Journal of Cardiology

Reviewer of Review in Recent Clinical Trial

Reviewer of Journal of Cardiology and Clinical Research

Reviewer of Artificial Organs

PI o Coinvestigator in national or international trials and multicentric projects:

REPLACE

MOSEC

CAUTION

ECMO registry

Tricuspid surgery registry

Endocardities registry

Minimally invasive surgery registry

TAVI registry

E-AVR

PM registry

IABP registry

COVID registry

**Awards**

European Cardiac Young Investigator “Leonardo Da Vinci” Award (European Society of Cardio-Thoracic Surgery)2011.

Best Poster SIC (Italian Society of Cardiology) 2016

Best Abstract ESOT (European Society of Organ Transplantation) 2018 Biotest Educational Grant ECTA 2018

Best SICCH Presentation (Italian Society of Cardiac Surgery) 2018

**Grants**

Principal investigator: Italian Health ministry grant 2013 of 1000000 Euro – GR-2013-02358692 “Cardiac preservation with normothermic donor heart perfusion compared to standard cold storage in heart transplantation: a new standard of care to face donor shortage?”

Principal investigator: Prin 2022 –LS7- EXTREMEHEART-EXTRacellular vEsicle-mediated transplantation of Mitochondria to rEscue end-stage failing HEARTs

**Other interests**

Humanitarian medicine: member of ”Medicine for Bosnia” Association

Sport: Archery (Italian record 1993-1994, European champion 1995), sailing (IMS Mediterranean Games 2004), trekking, skiing, golf.

#### Languages

Italian: mother tongue

English: very good

French: very good

Spanish: very good

German: basic knowledge