

CURRICULUM VITAE
RUGGERO DE PAULIS M.D.

NAME: RUGGERO DE PAULIS, MD

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Professor of Cardiac Surgery
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BORN September 14, 1958

**MARITAL
STATUS** Married

TITLE Board in Cardiac Surgery (1988)
Board in Thoracic Surgery (1994)

POSITION Director and Chief, Cardiac Surgery, European Hospital,
Rome, Italy

MEMBERSHIP

- American Association Thoracic Surgery (AATS)
- European Association Thoracic Surgery (EACTS)
- Society of Thoracic Surgeons (STS)
- European Society for Artificial Organs (ESAO)
- International Society for Heart and Lung Transplantation (ISHLT)
- American Society for Artificial Internal Organs (ASAIO)
- Societa' Italiana di Chirurgia Cardiaca e Vascolare (SICCH)
- College Francais de Chirurgie Thoracique and Cardiovasculaire (CFCTCV)

EDUCATION

- 1976-1982 University of L' Aquila, L'Aquila (Italy), Medicine. Received M.D. degree
1982 University of L' Aquila, L'Aquila (Italy), Qualification to practice the medical profession
- 1983-1988 University of Torino, Torino, Italy. Residency in Cardiovascular Surgery
1984 Idoneità Dottorato di Ricerca in " Metodologia di ricerca scientifica sperimentale nelle discipline chirurgiche toraco-vascolari
University of Bologna
- 1986-1987 Institute for Biomedical Engineering, University of Utah, Salt Lake City, Utah. Postdoctoral Fellowship
- 1988 One-year fellowship at C.N.R. Pisa Clinical Physiology
- 1990 XII University of Paris; resident in Thoracic and Cardiovascular Surgery
- 1990 Diplome Universitaire de Cardiopatie congenitales. XII University of Paris
- 1991 VI University of Paris; Chief resident in Thoracic and Cardiovascular Surgery
- 1994 Università di Catania, Catania. Degree in Thoracic Surgery

AWARDS and ACHIEVEMENTS

- 1) Fellowship: S.I.S.M. (Societa' Internazionale Studenti Medicina).
University of Istanbul, Istanbul, Turkey, August 1980
- 2) Annual prize "De Gasperis-Donatelli" for research in Cardiac Surgery
Milan, September 1985
- 3) Fellowship at the University of Utah,
Salt Lake City, Utah, U.S.A. January '86/March 87
- 4) International Shiley prize for research on artificial organs.
Avignone, France, September 1986
- 5) ASAIO Travel Fellowship Award 1987,
New York, May 1987
- 6) Final ranking prize "De Gasperis-Donatelli" for research in Cardiac Surgery
Milan, September 1987
- 7) Annual prize "De Gasperis-Donatelli" for research in Cardiac Surgery
Milan, September 1988
- 8) One-year fellowship at C.N.R. Pisa Clinical Physiology
- 9) Annual prize "De Gasperis-Donatelli" for research in Cardiac Surgery
Milan, September 1990
- 10) Member of "College Francais de Chirurgie Thoracique et Cardiovasculaire"
Paris, France, Giugno 1992
- 11) Member of the Vascular Domain of the European Society of Thoracic and Cardio-vascular Surgery (2011-2014)
- 12) Chairman of the Vascular Domain of the European Society of Thoracic and Cardio-vascular Surgery (EACTS) 2014-2017
- 13) Vice President of the European Society of Thoracic and Cardio-vascular Surgery (EACTS) 2017-2018
- 14) Adjunct Associate Professor of Cardiothoracic Surgery at the Weill Cornell Medical

- College, New York 2018
- 15) President of the European Society of Thoracic and Cardio-vascular Surgery (EACTS) 2018-2019
 - 16) Member of Council of the European Society of Thoracic and Cardio-vascular Surgery (EACTS) 2014-2020
 - 17) Academician V.I. Bourakovsky Prize for “Outstanding personal contribution to the development of cardiovascular surgery” given by the “Russian Association for Cardiovascular Surgery (Moscow, November 2018)
 - 18) Chair of the Francis Fontan Fund at the European Society (EACTS), which awards scholarships to deserving young surgeons

EXPERIENCE:

- 1982-1985 Chair of Cardiac Surgery, University of Turin, surgical activities, preoperative and postoperative clinical care including intensive care; major contribution in research activities
- 1986 Postdoctoral fellowship, Artificial Heart Research Laboratory of the Institute for Biomedical Engineering, University of Utah, Salt Lake City, Utah, U.S.A.
Responsible for training surgical teams from throughout the United States and Europe.
Principal Investigator in artificial heart and cardiac assist devices implanted in calves
The total teaching and research activity is 85 artificial heart implants, 22 ventricular assist system implants, and 19 other various surgical procedures. Major contribution to scientific production.
- 1987 University researcher in cardiac surgery at the University of Tor Vergata, Rome
- 1987/88 Mission periods at the University of Turin for research in the field of cardiac transplantation and ventricular assist
- 1989 Research periods on ventricular assisting in collaboration with the Helmholtz-Institute for Biomedizinische Technik at the University of Aachen, West Germany
- 1989/90 Assistant professor at the thoracic and cardiovascular surgery center of the XIII University of Paris, Hopital "Henri Mondor." Surgical and research activities
- 1990/91 Thoracic and cardiovascular surgery center of the VI University of Paris, Hopital "Lariboisiere." Surgical and research activities.
- 1991/2006 Structured fellow at the Chair of Cardiac Surgery, Rome Tor Vergata. Surgical and research activities
- 2002 Associate Professor, Tor Vergata University of Rome, Italy
- 2006 Director and Chief of Cardiac Surgery, European Hospital, Rome, Italy
- 2019 Eligibility to Full Professor in Cardiac Surgery
- 2020 Professor in Cardiac Surgery, Unicamillus University, Rome

PATENTS

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| 1988 | New ring for surgical correction of tricuspid insufficiency |
| 1998 | New Dacron graft for aortic root surgery |
| 1999 | Heart positioner for beating heart surgery |
| 2002 | A new cannula for antegrade cerebral perfusion |
| 2004 | A new cannula for delayed pericardial effusion |
| 2010 | A new ring for mitral valve repair |

Surgical activity

More than 15000 adult cardiac surgery procedure.

Research activity

More than 300 scientific publications published in print in international journals. Over 30 chapters in books in the subject area. **Citations 10045; Index H 49**

Main topics:

- 1) Assisted circulation and total artificial heart
- 2) Hemodynamic effect of protamine
- 3) Major sternal wound infection
- 4) Various aspects of Coronary artery bypass surgery
 - i) The effect of bilateral internal mammary skeletonization on incidence of sternal wound infection
 - ii) Ischemic and non-ischemic myocardial preconditioning
- 5) Surgery of the aortic root
- 6) The effect of small diameter aortic valve prostheses
- 7) A new graft for Valve sparing and Bentall operations
- 8) The role of the sinuses of Valsalva after root reconstruction
- 9) Aortic surgery and Frozen Elephant Trunk
- 10) A simplified treatment of the mitral valve in Barlow diseases
- 11) Long-term results of valve sparing operation

Reviewer for:

- Heart
- Italian Heart Journal
- The Annals of Thoracic Surgery
- The Journal of Thoracic and Cardiovascular Surgery
- The European Journal of Thoracic and Cardiovascular Surgery
- The Journal of Cardiac Surgery
- The European Heart Journal
- Journal of Heart and Valve Disease
- Journal of Cardiovascular Medicine
- Indian Heart Journal

Associate Editor ICTVS (Interactive Cardiovascular and Thoracic Surgery) (2017-2020)
Extender - European Guidelines for Heart Valvular Diseases 2021