

CURRICULUM VITAE – Prof. Sergio Castorina

PERSONAL INFORMATION

Name:

Sergio Castorina

Address:

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Nationality:

Italian

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WORK EXPERIENCE

2018 – present

Full Professor of Human Anatomy, Department of Medical, Surgical and Advanced Technologies Sciences, University of Catania

2005

Confirmed Associate Professor of Human Anatomy, Faculty of Medicine and Surgery, University of Catania

2001

Associate Professor (non-tenured) of Human Anatomy, Faculty of Medicine and Surgery, University of Catania

1994

Researcher in Human Anatomy, University of Catania

1994 – present

Surgeon – Head of the General Surgery Functional Unit, Policlinico Morgagni, Catania

2002

Teaching assignment in Surgical and Laparoscopic Anatomy (lectures and cadaver dissections, 4.5 hours total) at the Laboratory of Descriptive and Experimental Anatomy, Nîmes – University of Montpellier (France), directed by Prof. M. Prudhomme, within the university diploma “Training in Laparoscopy using cadaver simulation”, 14/03/2002–05/04/2002. Tutor in cadaveric dissections.

2000

Research assignment at the Experimental Surgery Laboratory, Faculty of Medicine, University of Montpellier, directed by Prof. Philippe Rouanet (01/08/2000–30/09/2000)

1999 – 2002

Lecturer in Laparoscopic Anatomy and Laparoscopic Surgery at the Euro Mediterranean School of Endoscopic Surgery, Montpellier, directed by Prof. Jacques Domergue

1997

Visiting Fellow at the Experimental Surgery Laboratory, Faculté de Médecine Paris Sud — University Paris XI, performing laparoscopic procedures on animal models

1995

Visiting Fellow at the Institut des Maladies de l'Appareil Digestif, University of Montpellier, Director Prof. Jacques Domergue

EDUCATION AND TRAINING

1997

Inter-university Diploma in Digestive Surgery by Laparoscopic Approach, Université Paris XI.
Thesis: *Laparoscopic anatomy of the right hepatic artery and its branches*

1997

Research grant from the National Research Council (decree 08.05.1997) for a 30-day stay at Centre Hospitalier–Universitaire St. Eloi, Montpellier. Research topic: *Laparoscopic anatomy of the hepatic pedicle*

1993

Specialization in General Surgery, grade 50/50 cum laude, University of Catania. Thesis: *The hepatic pedicle: anatomy applied to laparoscopic surgery*

1991

Recipient of a scholarship from the Ministry of University and Scientific and Technological Research for postgraduate training abroad (public competition, D.M. 23.12.1988)

1990

Medical Officer – Italian Air Force – Air Force Academy, Pozzuoli (NA)

1988

Degree in Medicine and Surgery, grade 110/110 cum laude. Experimental thesis: *Structural and ultrastructural modifications of the gastric mucosa and liver parenchyma after end-to-side portacaval anastomosis in rats: experimental research*

1988

License to practice medicine

1982

Classical High School Diploma, Liceo Classico Don Bosco, Catania (grade 60/60)

FIELDS OF ACTIVITY, RESEARCH, TEACHING, CLINICAL WORK

Research Activity

- Mainly focused on surgical anatomy, laparoscopic anatomy, colorectal tumors and related genetic implications
- Additional interests: pathological obesity, including physiopathological and molecular mechanisms
- **149 indexed publications, 3120 citations, H-index 31** (Scopus)
- Editorial Board: *Journal of Abdominal Wall Reconstruction*

Teaching Activity

- Lecturer in Human Anatomy in the Degree Course in Medicine and Surgery and in several medical-related bachelor programs, University of Catania
 - Lecturer in Human Anatomy in the Specialization Schools of General Surgery, Neurosurgery, Orthopedics, Cardiology, Vascular Surgery
 - Speaker for the International Master in Minimally Invasive Surgery and Modern Technological Applications, University of Catania (22 March 2001): *Laparoscopic Surgical Anatomy*
 - Member of the Faculty Board and Tutor for PhD students in the PhD Program in Translational Biomedicine, XXX Cycle (surgical curriculum)
 - Proposing lecturer for the “Research Center for the Study of Prevention, Diagnosis and Treatment of Tumors (C.R.S. Pre.Di.C.T.)” (2017)
 - Proposing lecturer and Council Member of the “Multidisciplinary Research Center in Minimally Invasive Techniques and Surgery”
 - Proposing lecturer of the “Multidisciplinary Research Center for the Diagnosis and Treatment of Rare Diseases”
 - Coordinator of the **ERASMUS+ Programme Inter-Institutional Agreement 2016–2021** – Erasmus Traineeship – University of Catania – Université de Montpellier
 - Organizer of four editions of “**Anatomy & Video-Surgery**” (Catania, 2003, 2004, 2016, 2025)
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FUNDED RESEARCH PROJECTS

- Scientific contributor in PON 01078 – “Identification of biomarkers and development of diagnostic and therapeutic methods in oncology and vascular biology”
 - Principal Investigator – FIR 2014 (competitive grant) – Project: “Post-bariatric endocrine anatomy of the gastric fundus in obese patients with type 2 diabetes”
 - Principal Investigator – Intra-departmental Project (PIACERI) 2020: “Morphological and functional changes of the liver, pancreas and visceral adipose tissue and clinical-therapeutic implications in obese patients”
 - PI in “THE – Tuscany Health Ecosystem” – Project “RADAR”, Spoke 1 – Advanced radiotherapies and diagnostics in oncology
 - Scientific Director of POFESR Research Project 1.1.5: “Association of biomolecules extracted from Sicilian blood oranges to reduce side effects of antitumor therapy (ARTICC – Red Oranges in integrated cancer therapy)”
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CLINICAL ACTIVITY

- Over **15,000 surgical procedures** performed in digestive, oncologic, bariatric and abdominal wall surgery (open and laparoscopic) at Policlinico Morgagni, Catania
 - Founder of **MESI (Morgagni Euro Surgical Institute)**, under the patronage of GB Morgagni Foundation, hosting internationally renowned surgeons as consultants
 - In 2025, Policlinico Morgagni recognized as “**Center of Excellence**” by the Italian Society of Obesity Surgery. It is the **Hub center** for bariatric surgery in the Sicily Region
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ORGANIZATIONAL ACTIVITY IN RESEARCH

- President of the Scientific Committee and Head of the Research Laboratory on Nutritional Systems and Applied Oncology to Colorectal Tumors, GB Morgagni Mediterranean Foundation for the development of technologies in Medicine and Surgery, Catania

- Research material entirely derived from surgical procedures performed personally by Prof. Castorina, with Ethics Committee approval
 - The Morgagni Foundation was established by notarial deed on 4 May 1999, registered in the Registry of Foundations of the Sicily Region (no. 20, 16 December 2002), and affiliated with the University of Catania since 2015
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SCIENTIFIC SOCIETIES AND ACADEMIES

- Fellow of the American College of Surgeons
 - Foreign Honorary Member of the Académie Nationale de Chirurgie
 - Member of the Italian Society of Anatomy and Histology
 - Member of the Italian Society of Surgery
 - Member of the Board of the Société Française de Chirurgie Endoscopique
 - Member of the Association Française de Chirurgie
 - Member of EAES
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LANGUAGE SKILLS

Mother tongue: Italian

English

Listening: B1

Reading: C1

Spoken Interaction: B1

Spoken Production: B2

Writing: B1

Course: The Elizabeth Johnson Organization, Chertsey (July 1992)

French

Listening: C2

Reading: C2

Spoken Interaction: C2

Spoken Production: C2

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Catania, 09.11.2025
