

## VENTRELLA NICOLETTA

### DESCRIPTION

Medical Doctor with license to practice | Cardiologist | Electrophysiologist

### EDUCATION AND TRAINING

#### Degree in Medicine and Surgery

*Università Campus Bio-Medico di Roma* [09/2014 – 06/2020]

- Degree mark: 110/110 cum laude and with honorable mention
- Thesis: "Confronto tra diversi regimi di terapia anticoagulante orale in pazienti sottoposti a procedure di elettrostimolazione cardiaca: studio osservazionale multicentrico" (Comparison of different oral anticoagulant therapy regimens at the time of cardiac rhythm device surgery: a multicentre observational study)
- Tutoring experience in anatomy, physiology, physics and chemistry; personal tutor (counseling) for younger students

#### Resident doctor in Cardiology

*Università degli studi di Milano - IRCCS Policlinico San Donato - IRCCS Centro Cardiologico Monzino* [25/01/2021 – 27/01/2025]

City: Milan | Country: Italy

- Ward activities, outpatients clinics (general cardiology), transthoracic and transesophageal echocardiography (about 500 exams performed), cardiac imaging (CT and CMR), cardiovascular intensive care activities, attendance of the electrophysiology and interventional cardiology labs, attendance of pediatric cardiology/GUCH clinics and wards
- Electrophysiology fellow at IRCCS Centro Cardiologico Monzino (Head of the Department of Electrophysiology: Prof. C. Tondo, MD, PhD)
- Degree mark: 70/70 cum laude
- Thesis: "Atrial Fibrillation Cycle Length Slowing predicts Rhythm Outcomes in Persistent AF patients after Pulsed Field Ablation with a Pentaspline Catheter targeting Pulmonary Veins and Left Atrial Posterior Wall"

#### II level University Master Course in Cardiovascular Intensive Care

*Università degli Studi di Milano* [04/2023 – 18/03/2024]

#### II level University Master Course in Electrophysiology and Cardiac Pacing

*Università degli Studi di Milano* [11/2024 – 09/12/2025]

#### PhD candidate in Cardiovascular Science

*Charles University - II Faculty of Medicine* [10/2024] City: Prague | Country: Czechia

**JICE (Journal of Interventional Cardiac Electrophysiology) Editorial Fellowship** [04/2025 – Current]

### WORK EXPERIENCE

*Institute of Clinical and Experimental Medicine (IKEM) – Prague, Czechia*

**Electrophysiologist** [06/2025 – Current]

**Cardiac Electrophysiology Fellow** [02/2024 – 05/2025]

Director of the Heart Centre and Head of the Department of Cardiology: *Prof. J. Kautzner, MD, PhD* Head of the Department of Electrophysiology: *Assoc. Prof. P. Peichl, MD, PhD*

Main occupational skills covered:

Extensive attendance of the electrophysiology labs (involvement in about 900 ablation procedures including VTs, of which more than 300 performed as the primary operator [AVJ, AVNRT, typical atrial flutter, AT, AP, PFA/cryoablation of AF, PVC]); attendance of the implantation rooms (PMs, ICDs, some experience in CSP and LCP).

*ASST Valle Olona - ULSS 1 Dolomiti – Italy*

**Consultant cardiologist on temporary duty**

[04/2025 – Current]

Main occupational skills covered:

Active cardiology on-call duties; right-sided ablations and pacemaker implantations.

**Montefiore Medical Center - Electrophysiology department** – New York, United States

**Academic Visitor - Electrophysiology department**

[10/2023 – 01/2024]

Head of the Department of Electrophysiology: *Prof. L. Di Biase, MD, PhD*

**ASST Melegnano e Martesana** – San Giuliano Milanese, Italy

**Out-of-hours primary care physician**

[01/2022 – 01/2024]

**IRCCS Ospedale Ca' Granda di Milano** – Milan, Italy

**Physician involved in the national COVID-19 vaccination campaign**

[01/2022 – 02/2023]

**Ospedale Lorenzo Bonomo - Andria** – Andria, Italy

**Emergency department doctor**

[11/2020 – 01/2021]

Head of the Emergency Department: *T. P. Valentino, MD*

**Golfini rossi Onlus** – Rukwa, Tanzania

**Health care assistant**

[09/2019 – 10/2019]

**St. Bartholomew's hospital** – London, United Kingdom

**Undergraduate research fellow - Electrophysiology department**

[06/2019 – 09/2019]

Head of the Department of Electrophysiology: *Prof. R. J. Schilling, MD*

Drafting of the experimental thesis: "Confronto tra diversi regimi di terapia anticoagulante orale in pazienti sottoposti a procedure di elettrostimolazione cardiaca: studio osservazionale multicentrico" (Comparison of different oral anticoagulant therapy regimens at the time of cardiac rhythm device surgery: a multicentre observational study)

## **CERTIFICATIONS**

**Advanced Cardiovascular Life Support (ACLS) Program** [03/2025]

American Heart Association

**Cambridge First Certificate in English (B2)**

**ECDL (European Computer Driving Licence)**

## **LIST OF PUBLICATIONS**

**Total publications number: 16**

Please view the detailed list attached.

**List of publications: 16**

**[2020] Same-day discharge following catheter ablation of atrial fibrillation: A safe and cost-effective approach**

J Cardiovasc Electrophysiol. Creta A, Ventrella N, Providência R, Earley MJ, Sporton S, et al.  
<https://pubmed.ncbi.nlm.nih.gov/33107171/>

**[2022] Cardiac Imaging for the Assessment of Left Atrial Mechanics Across Heart Failure Stages**

Front Cardiovasc Med. Bandera F, Mollo A, Frigelli M, Guglielmi G, Ventrella N, et al.  
<https://pubmed.ncbi.nlm.nih.gov/35096989/>

**[2023] A randomized control trial to assess optical coherence tomography parameters of the Xlimus drug-eluting stent: the XLIMIT trial**

Front Cardiovasc Med. Testa L, Squillace M, Ventrella N, Moreno R, Jiménez-Valero S, et al.  
<https://pubmed.ncbi.nlm.nih.gov/37745092/>

**[2023] DOACs vs Vitamin K Antagonists During Cardiac Rhythm Device Surgery: A Multicenter Propensity-Matched Study**

JACC Clin Electrophysiol. Creta A, Ventrella N, Earley MJ, Finlay M, Sporton S, et al.  
<https://pubmed.ncbi.nlm.nih.gov/37897463/>

**[2024] Novel SCN5A gene mutation in a patient affected by multifocal ectopic premature Purkinje-related contractions syndrome**

ESC Heart Fail. Ventrella N, Bianchini L, Riva S, Pizzamiglio F, Dessanai MA, et al.  
<https://pubmed.ncbi.nlm.nih.gov/38504463/>

**[2024] Catheter ablation for focal atrial tachycardias during pregnancy: A systematic review**

Int J Cardiol. Ventrella N, Schiavone M, Bianchini L, Sicuso R, Dessanai MA, et al.  
<https://pubmed.ncbi.nlm.nih.gov/38972492/>

**[2024] Hybrid-Convergent Procedure or Pulsed Field Ablation in Long-Standing Persistent Atrial Fibrillation**

JACC Clin Electrophysiol. Bianchini L, Schiavone M, ..., Ventrella N, ..., Tondo C  
<https://pubmed.ncbi.nlm.nih.gov/39084744/>

**[2024] Long-Term Performance of Subcutaneous Implantable Defibrillators in Athletes: A Multicenter, Real-World Analysis of Sport Activities from the iSUSI Registry**

Heart Rhythm. Gasperetti A, Schiavone M, ..., Ventrella N, ..., Forleo G B  
<https://pubmed.ncbi.nlm.nih.gov/39307379/>

**[2024] Prediction of major intravascular hemolysis during pulsed electric field ablation of atrial fibrillation using a pentaspline catheter**

J Cardiovasc Electrophysiol. Stojadinović P, Ventrella N, Alfredová H, Wichterle D, Peichl P, et al.  
<https://pubmed.ncbi.nlm.nih.gov/39400487/>

**[2025] Tailored Cardioneuroablation for Recurrent Reflex Syncope Due to Paroxysmal Atrioventricular Block: Utility of Extracardiac Vagal Stimulation**

Hearth Rhythm CR. Ventrella N, Stojadinović P, Piotrowski R, Peichl P, Kautzner J, Wichterle D  
<https://pubmed.ncbi.nlm.nih.gov/41333939/>

**[2025] Coronary vasospasm during pulsed field focal ventricular ablation with solid tip catheter**

Europace. Hayasaka K, Peichl P, Ventrella N, Marek J, Stiavnicky P, et al.  
<https://pubmed.ncbi.nlm.nih.gov/40973622/>

**[2025] Acute durability of cavotricuspid isthmus block after pulsed electric field ablation: randomized comparison of two pentaspline catheter configurations (SECTION trial)**

Europace. Stojadinović P, Wichterle D, ..., Ventrella N, ..., Kautzner J  
<https://pubmed.ncbi.nlm.nih.gov/40986824/>

**[2025] Initial Experience With a Dual-Energy Lattice-Tip Catheter for Ventricular Tachycardia Ablation: Procedural Feasibility and Emerging Safety Warning**

Circ A&E. Ventrella N, Sabatino M, Bianchini L, Schiavone M, Dell'Aquila A, et al.  
<https://pubmed.ncbi.nlm.nih.gov/41451700/>

**[2026] General anesthesia versus deep sedation in patients undergoing Subcutaneous Implantable Defibrillator implantation: a propensity-matched analysis from the i-SUSI project**

Heart Rhythm. Schiavone M, Gasperetti A, Ventrella N, Zerjav D, Vogler J, et al.  
<https://pubmed.ncbi.nlm.nih.gov/41500487/>

**[2026] Myocardial and neural damage due to pulmonary vein isolation: comparison of pulsed electric field and thermal ablation**  
Pace. Stojadinović P, Ventrella N, Alfredová H, Filová V, Wichterle D, et al.  
<https://pubmed.ncbi.nlm.nih.gov/41582872/>

**[2026] Percutaneous Retrieval of the Lattice-Tip Catheter Entrapped in the Atrioventricular Valve Apparatus: two case reports**  
EHJ CR. Ventrella N, Peichl P, Carbucicchio C, Stojadinović P, Schiavone M, et al.  
<https://academic.oup.com/ehjcr/advance->

F.to Ventrella Nicoletta