

## **Short Bio: Dr. Rachele Simonte**

### **Dr. Rachele Simonte, MD, PhD candidate**

Dr. Simonte is Assistant Professor (Tenure-Track) of Anesthesiology at the University of Perugia and Consultant Anesthesiologist and Intensive Care Specialist at the Santa Maria della Misericordia University Hospital in Perugia, Italy. In 2025, she obtained the Italian National Scientific Qualification for Associate Professorship in Anesthesiology.

She holds an MD (*summa cum laude*, 2016) and completed her residency in Anesthesia, Resuscitation, Intensive Care, and Pain Management (*summa cum laude*, 2023) at the University of Perugia. Dr. Simonte completed an international research fellowship at the University Medical Center (UMC) Utrecht in the Netherlands, focusing on pediatric postoperative pain management.

In the European Society of Anaesthesiology and Intensive Care (ESAIC), Dr. Simonte serves as a member of the Scientific Committee (Forum 5: Devices and Technologies). Nationally, she is an appointed member of both the Clinical Research Committee and the Hemodynamic Board of the Italian Society of Anesthesiology, Analgesia, Resuscitation and Intensive Care (SIAARTI). She also serves as an Assistant Editor for the *European Journal of Anaesthesiology* (EJA and EJA's Open Access).

Dr. Simonte serves as Principal Investigator and lead coordinator for several major national and international clinical trials and research projects (including EU-funded HaDEA initiatives, the PAIN OUT Infant Registry, Safe Brain Initiative, MEET VENUS, and Oxy-FOB).

Her research interests encompass advanced respiratory monitoring (esophageal pressure and electrical impedance tomography), intraoperative lung-protective ventilation, non-invasive respiratory support, pediatric postoperative pain, and palliative care in the ICU. She has authored over 30 peer-reviewed articles in indexed international journals and holds an H-index of 8.