

CURRICULUM VITAE

Luigi La Via, MD

QUALIFICATIONS AND MAIN CERTIFICATIONS

1. Medical Degree (MD) -- Catholic University of the Sacred Heart (Rome campus) with grade 110/110 cum laude, dated 08/03/2024
2. Medical License -- Catholic University of the Sacred Heart (Rome campus), dated 18/07/2017
3. Specialization in Anesthesia, Critical Care, Intensive Care and Pain Medicine -- University of Catania (Italy) with grade 70/70 cum laude, dated 11/01/2023
4. National Scientific Abilitation for Associate Professor functions, Competitive Sector 06/L1 Anesthesiology, issued by MUR dated 27/11/2023, valid for 12 years
5. Registration with the Ordine dei Medici of Ragusa, since 18/09/2017, card number 2938
6. Airway Teacher Certification, issued by the European Airway Management Society
7. Visiting Professor at the Medical University of Warsaw, 30-hour teaching assignment completed in May/June 2023
8. Seminar teaching assignment within the PhD Program in Translational Biomedicine (MedClin Department -- University of Catania) for a total of 18 hours, completed in January 2024
9. Teaching assignment (1 CFU) in the Level I Master's Degree "Management of Mass Emergencies in Pre-hospital Settings" at the "Giustino Fortunato" Telematic University of Benevento
10. Cultore della Materia SSD MED/41 Anesthesiology since 12/04/2022 at the ChirMed Department, University of Catania
11. Advanced Cardiovascular Life Support (ACLS) Instructor, issued by the Italian Society of Anesthesia, Analgesia and Pediatric Intensive Care (SIAATIP) on 12/01/2024 (Currently valid)
12. Basic Life Support (BLS) Instructor, issued by the Italian Society of Anesthesia, Analgesia and Pediatric Intensive Care (SIAATIP) on 5/12/2023 (Currently valid)
13. Basic Life Support (BLS) Instructor, issued by the American Heart Association (AHA) on 27/06/2024 (Currently valid)
14. ACLS Provider issued by the American Heart Association (AHA) on 24/01/2021
15. BLS Provider issued by the American Heart Association (AHA) on 05/05/2024 (Currently valid)
16. Pediatric Advanced Life Support (PALS) Provider, issued by the American Heart Association (AHA) on 27/02/2021
17. Prehospital Trauma Life Support (PHTLS) Provider, issued by the National Association of Emergency Medical Technicians (NAEMT) on 06/06/2022 (Currently valid)
18. Specialization in Executive Data Science, issued by Johns Hopkins University on 24/05/2020 following completion of 5 one-month online courses
19. Specialization in Patient Safety, issued by Johns Hopkins University on 10/07/2020 following completion of 7 one-month online courses
20. Specialization in Biostatistics in Public Health, issued by Johns Hopkins University on 08/06/2020 following completion of 4 one-month online courses
21. Specialization in Epidemiology for Public Health, issued by Imperial College London on 22/06/2020 following completion of 3 one-month online courses
22. Specialization in Healthcare Trends for Business Professionals, issued by Northeastern University on 21/07/2020 following completion of 4 one-month online courses

23. Specialization in Healthcare Organization Operations, issued by Rutgers University on 16/08/2020 following completion of 4 one-month online courses
24. Specialization in Epidemiology in Public Health Practice, issued by Johns Hopkins University on 07/06/2020, following completion of 5 one-month online courses

AFFILIATIONS AND POSITIONS IN SCIENTIFIC SOCIETIES

- Member of ESICM (European Society of Intensive Care Medicine)
- Member of ESAIC (European Society of Anesthesia and Intensive Care)
- Member of SIAARTI (Italian Society of Anesthesia, Analgesia, Resuscitation and Pain Therapy)
- Member of EACTAIC (European Association of Cardiothoracic Anaesthesiology and Intensive Care)
- Member of EAMS (European Airway Management Society)
- Member of the International Center of Excellence for Research on Smoking Harm Reduction (CoEHAR) as External Expert
- Member of the Cardio-Thoracic-Vascular Section of SIAARTI
- Member of the Ambulatory Anesthesia and NORA Section of SIAARTI
- Member of the Simulation Section of SIAARTI
- Member of the Task Force for the development of European guidelines on preoperative assessment of non-cardiac surgery patients on behalf of ESAIC
- Appointed ESAIC Mentor for the 2024-2026 term
- Appointed EAMS Airway Teacher for the 2023-2025 term

ACADEMIC AND RESEARCH EXPERIENCE

Specific professional experiences characterized by research activities

Research Fellowship at the Department of Physiology and Pharmacology, Chang Gung University, Taoyuan, Taiwan

September - October 2014

Editorial Board and Reviewer Activities

- Editorial Board Member of BMC Anesthesiology since 1/1/2023
- Editorial Board Member of PlosOne since 16/05/2023 (no longer active)
- Associate Editor of Frontiers in Anesthesiology (section Critical Care Anesthesiology) since 20/5/2024

- Editorial Board Member of Frontiers in Environmental Health, section Occupational Safety and Health Interventions (Review Editor)
- Guest Associate Editor of Frontiers in Surgery (section Visceral Surgery)
- Topical Advisory Panel Member of the Editorial Board of Life
- Topical Advisory Panel Member of Journal of Clinical Medicine
- Guest Editor of Therapeutic Advances in Respiratory Disease
- Guest Editor for the Special Issue "Olfactory and Gustatory Dysfunctions" of Life
- Guest Editor for the Special Issue "New Insight into Artificial Intelligence in Medical Imaging" of Life
- Guest Editor for the Special Issue "Advancements in Postoperative Management of Patients After Surgery" of Life
- Guest Editor for the Special Issue "New Diagnostic and Therapeutic Trends in Sepsis and Septic Shock" of Journal of Clinical Medicine
- Guest Editor for the Special Issue "Cardiac Anesthesia and Intensive Care" of Journal of Clinical Medicine
- Guest Editor for the Special Issue "New Insights into Critical Care" of Journal of Clinical Medicine
- Reviewer for the following journals: Journal of Clinical Anesthesia, Chest, Journal of Anesthesia, Analgesia and Critical Care, European Journal of Anaesthesiology and Intensive Care, Journal of Anesthesia Analgesia and Critical Care, Anaesthesia Critical Care & Pain Medicine, Trends in Anesthesia and Critical Care, BMC Anesthesiology, BMC Cardiovascular Disorders, BMC Emergency Medicine, BMJ Open, Anesthesia Research, Journal of Clinical Medicine, PlosOne, Signa Vitae, The Ultrasound Journal, BioMed Research International, Healthcare, Journal of Vascular Diseases, Brain Sciences, IJERPH, Medicina, Advances in Respiratory Medicine, Diagnostics, Annals of Medicine, Applied Sciences, Clinics and Practice, European Review for Medical and Pharmacological Sciences, Antibiotics, Frontiers in Medicine, Frontiers in Surgery, Frontiers in Cardiovascular Medicine, Frontiers in Pharmacology, Frontiers in Environmental Health, Geriatric Orthopaedic Surgery and Rehabilitation, Medical Principles and Practice, Nature and Science of Sleep, HELIYON, Children, International Journal of Molecular Sciences, Journal of Cardiovascular Development and Disease, Journal of Inflammation Research, Drug Design Development and Therapy, Health Science Reports, European Archives of Oto-Rhino-Laryngology, Clinical Interventions in Aging, Brain and Behavior, Therapeutic Advances in Infectious Diseases, Therapeutics and Clinical Risk Management, Journal of Personalized Medicine, Life, Medical Sciences, Nursing Reports, Nutrients, Quantitative Imaging in Medicine and Surgery, Viruses

Scientific Publications

As of the date of compilation, I have 100 scientific publications indexed in PubMed and/or Scopus. My publications are available at the following links:

Pubmed: <https://pubmed.ncbi.nlm.nih.gov/?term=Luigi+La+Via&sort=date>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57217235860>

List:

1. Neurological and Olfactory Disturbances After General Anesthesia.
Maniaci A, Lentini M, Trombadore R, Gruppuso L, Milardi S, Scrofani R, Cuttone G, Sorbello M, Modica R, Lechien JR, Boscolo-Rizzo P, Paternò DS, La Via L.
Life. 2025;15(3):344. doi: 10.3390/life15030344.
2. Exploring the Utility of Renal Resistive Index in Critical Care: Insights into ARDS and Cardiac Failure.
Cuttone G, Geraci G, La Via L, Sorbello M, Pappalardo F, Carollo C.
Biomedicines. 2025;13(2):519. doi: 10.3390/biomedicines13020519.
3. The Interplay Between Sleep Apnea and Postpartum Depression.
Maniaci A, La Via L, Lentini M, Pecorino B, Chiofalo B, Scibilia G, Lavallo S, Luca A, Scollo P.
Neurol Int. 2025;17(2):20. doi: 10.3390/neurolint17020020.
4. Pericapsular Nerve Group Block Plus Lateral Femoral Cutaneous Nerve Block vs. Fascia Iliaca Compartment Block in Hip Replacement Surgery.
Vetrone F, Saglietti F, Galimberti A, Pezzi A, Umbrello M, Cuttone G, La Via L, Vetrugno L, Deana C, Girombelli A.
J Clin Med. 2025;14(3):984. doi: 10.3390/jcm14030984.
5. The Impact of Diagnostic Imaging on Obstructive Sleep Apnea: Feedback from a Narrative Review.
Lavallo S, Caranti A, Iannella G, Pace A, Lentini M, Maniaci A, Campisi R, La Via L, Giannitto C, Masiello E, Vicini C, Messineo D.
Diagnostics (Basel). 2025;15(3):238. doi: 10.3390/diagnostics15030238.
6. An Updated Review on the Use of Noninvasive Respiratory Supports in the Management of Severe Asthma Exacerbations.
Cuttone G, La Via L, Pappalardo F, Sorbello M, Paternò DS, Piattoli M, Gregoretti C, Misseri G.
Medicina. 2025;61:328. doi: 10.3390/medicina6102032.
7. Critical Care Pharmacology of Antiretroviral Therapy in Adults. Eur J Drug Metab Pharmacokinet.
La Via L, Marino A, Cuttone G, Nunnari G, Deana C, Tesauro M, Voza A, Planinsic R, Longhitano Y, Zanza C.
2025 Feb 12. doi: 10.1007/s13318-025-00934-7. Online ahead of print.
8. Surgical management of benign tumors of the parotid gland: the advantages of extracapsular dissection compared to traditional surgical techniques.
Zanghì A, Cavallaro A, Marchi M, Marchi M, La Via L, Sanfilippo F, Cappellani A, Di Majo S.
Front Surg. 2025 Jan 15;11:1415485. doi: 10.3389/fsurg.2024.1415485. eCollection 2024.
9. The use of noninvasive positive pressure ventilation for severe asthma: a systematic review and meta-analysis of randomized controlled trials with trial sequential analysis.
La Via L, Cuttone G, Misseri G, Sorbello M, Pappalardo F, Maniaci A, Duarte-Medrano G, Nuño-Lámbarrri N, Zanza C, Gregoretti C.
Expert Rev Respir Med. 2025 Jan 19:1-9. doi: 10.1080/17476348.2025.2454947. Online ahead of print.
10. To: Goal-directed therapy guided by the FloTrac sensor in major surgery: a systematic review and meta-analysis.

Via L, Cusumano G, Zanza C, Calvagna C, Maniaci A.

Crit Care Sci. 2024 Dec 16;36:e20240168en. doi: 10.62675/2965-2774.20240168-en. eCollection 2024.

11. High-Flow Oscillatory Ventilation: A Possible Therapeutic Option for Pediatric Patients with Cardiovascular Diseases.

Scollo S, La Via L, Pavone P, Piastra M, Conti G, Minardi C.

Pediatr Rep. 2024 Oct 24;16(4):925-933. doi: 10.3390/pediatric16040079.

12. Exploring the potential of artificial intelligence in airway management.

La Via L, Maniaci A, Gage D, Pappalardo F, Sorbello M.

Trends Anaesth Crit Care. 2024;59:101512. doi: 10.1016/j.tacc.2024.101512.

13. Mental Health Disorders Among Healthcare Workers After the COVID-19 Pandemic.

Giummarresi M, Fiorito M, Cocuzza S, Maniaci A, Lechien JR, Lavallo S, La Via L.

EuroMediterr Biomed J. 2024;19:71-77. doi: 10.3269/1970-5492.2024.19.15.

14. Preoperative assessment of adults undergoing elective noncardiac surgery: Updated guidelines from the European Society of Anaesthesiology and Intensive Care.

Lamperti M, Romero CS, Guarracino F, Cammarota G, Vetrugno L, Tufegdizic B, Lozsán F, Macias Frias JJ, Duma A, Bock M, Ruetzler K, Mulero S, Reuter DA, La Via L, Rauch S, Sorbello M, Afshari A.

Eur J Anaesthesiol. 2025 Jan 1;42(1):1-35. doi: 10.1097/EJA.0000000000002069. Epub 2024 Nov 2.

15. Perioperative intravenous lidocaine infusion for postsurgical pain management in bariatric surgery patients.

Duarte-Medrano G, Nuño-Lámbarri N, Dominguez-Franco A, Lopez-Rodriguez Y, Minutti-Palacios M, Palacios-Chavarria A, La Via L, Paternò DS, Misseri G, Cuttone G, Sorbello M, Dominguez-Cherit G, Escarramán D.

J Anesth Analg Crit Care. 2024 Oct 30;4(1):73. doi: 10.1186/s44158-024-00208-9.

16. The Integration of Radiomics and Artificial Intelligence in Modern Medicine.

Maniaci A, Lavallo S, Gagliano C, Lentini M, Masiello E, Parisi F, Iannella G, Cilia ND, Salerno V, Cusumano G, La Via L.

Life (Basel). 2024 Oct 1;14(10):1248. doi: 10.3390/life14101248.

17. Ocular Manifestations of Pediatric Rhinosinusitis: A Comprehensive Review.

Maniaci A, Gagliano C, Lavallo S, van der Poel N, La Via L, Longo A, Russo A, Zeppieri M.

Diseases. 2024 Oct 2;12(10):239. doi: 10.3390/diseases12100239.

18. Perioperative Rhabdomyolysis in Obese Individuals Undergoing Bariatric Surgery: Current Status.

Duarte-Medrano G, Nuño-Lámbarri N, Minutti-Palacios M, Dominguez-Cherit G, Dominguez-Franco A, La Via L, Paternò DS, Sorbello M.

Healthcare (Basel). 2024 Oct 12;12(20):2029. doi: 10.3390/healthcare12202029.

19. Fenoldopam for Renal Protection in Cardiac Surgery: Pharmacology, Clinical Applications, and Evolving Perspectives.

Cuttone G, La Via L, Misseri G, Geraci G, Sorbello M, Pappalardo F.

J Clin Med. 2024 Oct 1;13(19):5863. doi: 10.3390/jcm13195863.

20. Accuracy of ChatGPT responses on tracheotomy for patient education.
Khaldi A, Machayekhi S, Salvagno M, Maniaci A, Vaira LA, La Via L, Taccone FS, Lechien JR.
Eur Arch Otorhinolaryngol. 2024 Nov;281(11):6167-6172. doi: 10.1007/s00405-024-08859-8.
Epub 2024 Oct 2.
21. The Global Burden of Sepsis and Septic Shock.
La Via L, Sangiorgio G, Stefani S, Marino A, Nunnari G, Cocuzza S, La Mantia I, Cacopardo B, Stracquadanio S, Spampinato S, Lavallo S, Maniaci A.
Epidemiologia (Basel). 2024 Jul 25;5(3):456-478. doi: 10.3390/epidemiologia5030032.
22. SARS-CoV-2-Related Parotitis in Children: A Narrative-Focused Review.
Marino A, Cacciaguerra G, Sangiorgio G, Pavone P, Nunnari G.
COVID. 2024;4(8):1100-1112. doi: 10.3390/covid4081100.
23. Hearing Loss and Oxidative Stress: A Comprehensive Review.
Maniaci A, La Via L, Lechien JR, Lavallo S, Lentini M.
Antioxidants. 2024;13(7):842. doi: 10.3390/antiox13070842.
24. Presentation, Radiologic Features, and Treatment Options of Congenital Tongue Tumors: A Comprehensive Review.
Maniaci A, La Via L, Lavallo S, Lentini M, Pavone P, Iannella G, Cocuzza S.
Ann Ital Chir. 2024;95(4):481-496. doi: 10.62713/aic.3316.
25. Oral Health Implications of Obstructive Sleep Apnea: A Literature Review.
Maniaci A, Lavallo S, Anzalone R, Lo Giudice A, Cocuzza S, Parisi FM, Torrisi F, Iannella G, Sireci F, Fadda G, Lentini M, Masiello E, La Via L.
Biomedicines. 2024 Jun 21;12(7):1382. doi: 10.3390/biomedicines12071382.
26. Impact of Obstructive Sleep Apnea and Sympathetic Nervous System on Cardiac Health: A Comprehensive Review.
Maniaci A, Lavallo S, Parisi FM, Barbanti M, Cocuzza S, Iannella G, Magliulo G, Pace A, Lentini M, Masiello E, La Via L.
J Cardiovasc Dev Dis. 2024 Jun 30;11(7):204. doi: 10.3390/jcdd11070204.
27. Vestibular approach for thyroid surgery: a comprehensive review.
La Via L, Zanghì A, Cavallaro A, Di Vita M, Maniaci A, Cocuzza S, Cappellani A, Di Majo S.
Front Surg. 2024 Jun 14;11:1423222. doi: 10.3389/fsurg.2024.1423222. eCollection 2024.
28. Loco-Regional Anesthesia for Pain Management in Robotic Thoracic Surgery.
La Via L, Cavaleri M, Terminella A, Sorbello M, Cusumano G.
J Clin Med. 2024 May 27;13(11):3141. doi: 10.3390/jcm13113141.
29. Obstructive Sleep Apnea in Pregnancy: A Comprehensive Review of Maternal and Fetal Implications.
Maniaci A, La Via L, Pecorino B, Chiofalo B, Scibilia G, Lavallo S, Scollo P.
Neurol Int. 2024 May 7;16(3):522-532. doi: 10.3390/neurolint16030039.
30. Re-Expansion Pulmonary Edema as a Life-Threatening Complication in Massive, Long-Standing Pneumothorax: A Case Series and Literature Review.
Cusumano G, La Via L, Terminella A, Sorbello M.

J Clin Med. 2024 May 2;13(9):2667. doi: 10.3390/jcm13092667.

31. Behçet's Disease, Pathogenesis, Clinical Features, and Treatment Approaches: A Comprehensive Review.

Lavalle S, Caruso S, Foti R, Gagliano C, Cocuzza S, La Via L, Parisi FM, Calvo-Henriquez C, Maniaci A.

Medicina (Kaunas). 2024 Mar 29;60(4):562. doi: 10.3390/medicina60040562.

32. Unraveling the Complexities of Oxidative Stress and Inflammation Biomarkers in Obstructive Sleep Apnea Syndrome: A Comprehensive Review.

Lavalle S, Masiello E, Iannella G, Magliulo G, Pace A, Lechien JR, Calvo-Henriquez C, Cocuzza S, Parisi FM, Favier V, Bahgat AY, Cammaroto G, La Via L, Gagliano C, Caranti A, Vicini C, Maniaci A.

Life (Basel). 2024 Mar 22;14(4):425. doi: 10.3390/life14040425.

33. Taste and Smell Disorders: A Critical Look at Olfactory and Gustatory Dysfunction.

Maniaci A, Lechien JR, Vaira LA, La Via L.

Life (Basel). 2024 Feb 26;14(3):301. doi: 10.3390/life14030301.

34. Prediction of fluid responsiveness in critical care: Current evidence and future perspective.

La Via L, Vasile F, Perna F, Zawadka M.

Trends Anaesth Crit Care. 2024;54:101316. doi: 10.1016/j.tacc.2024.101316.

35. Clinical Features, Genetic Landscape and Management of Behçet's Syndrome: A Comprehensive Review.

Masiello E, Caruso S, Lavalle S, Di Napoli C, Maniaci A.

OBM Genetics. 2024;8(3):261. doi: 10.21926/obm.genet.2403261.

36. Efficacy of postoperative buprenorphine in the first 12 hours after surgery.

Sanfilippo F, Via L, Zanghì A, Cappellani A.

Saudi J Anaesth. 2024 Jan-Mar;18(1):148-150. doi: 10.4103/sja.sja_367_23. Epub 2024 Jan 2.

37. Impact of perioperative use of vasopressors in free flap surgery: A trial sequential analysis.

La Via L, Contino M, Chiesa Estomba C, Lombardo G, Maniaci A.

Head Neck. 2024 Feb;46(2):452-455. doi: 10.1002/hed.27623. Epub 2024 Jan 2.

38. Intravenous magnesium sulfate in pulmonary hypertension of the newborn: a systematic review.

Cuttone G, Minardi C, Baronti G, Longhitano Y, La Via L.

Eur Rev Med Pharmacol Sci. 2024;28(15):4060-4066. doi: 10.26355/eurev_202424_35795.

39. Mortality in patients with septic cardiomyopathy identified by longitudinal strain by speckle tracking echocardiography: An updated systematic review and meta-analysis with trial sequential analysis.

Pruszczyk A, Zawadka M, Andruszkiewicz P, LaVia L, Herpain A, Sato R, Dugar S, Chew MS, Sanfilippo F.

Anaesth Crit Care Pain Med. 2024 Apr;43(2):101339. doi: 10.1016/j.accpm.2023.101339. Epub 2023 Dec 19.

40. Non-Invasive Monitoring during Caesarean Delivery: Prevalence of Hypotension and Impact on the Newborn.

Vasile F, La Via L, Murabito P, Tigano S, Merola F, Nicosia T, De Masi G, Bruni A, Garofalo E, Sanfilippo F.

J Clin Med. 2023 Nov 24;12(23):7295. doi: 10.3390/jcm12237295.

41. Exposure to severe hyperoxemia worsens survival and neurological outcome in patients supported by veno-arterial extracorporeal membrane oxygenation: A meta-analysis.

Tigano S, Caruso A, Liotta C, LaVia L, Vargas M, Romagnoli S, Landoni G, Sanfilippo F.

Resuscitation. 2024 Jan;194:110071. doi: 10.1016/j.resuscitation.2023.110071. Epub 2023 Dec 5.

42. Intraoperative Bleeding in Pediatric Otolaryngology: Trends and Future Perspectives.

Maniaci A, Cocuzza S, Mitchell RB, La Mantia I, La Via L.

Pediatr Rep. 2023 Nov 20;15(4):707-709. doi: 10.3390/pediatric15040063.

43. The Importance of Subjectivity in Assessing the Efficiency of Surgery for Obstructive Sleep Apnea. Comment on Kuik et al. Subjective Efficiency Evaluation after Maxillomandibular Advancement Surgery in Obstructive Sleep Apnea Patients. J. Clin. Med. 2023, 12, 4023.

Maniaci A, Cocuzza S, Cammaroto G, Vicini C, La Via L.

J Clin Med. 2023 Oct 26;12(21):6761. doi: 10.3390/jcm12216761.

44. Critical care echocardiography: barriers, competencies and solutions. A survey of over 600 participants.

Zawadka M, Wong A, Janiszewska A, Sanfilippo F, La Via L, Sobieraj P, Abramovich I,

Andruszkiewicz P, Jammer I.

Anaesthesiol Intensive Ther. 2023;55(3):158-162. doi: 10.5114/ait.2023.130294.

45. Red Blood Cell Transfusion Guided by Hemoglobin Only or Integrating Perfusion Markers in Patients Undergoing Cardiac Surgery: A Systematic Review and Meta-Analysis With Trial Sequential Analysis.

Putaggio A, Tigano S, Caruso A, La Via L, Sanfilippo F.

J Cardiothorac Vasc Anesth. 2023 Nov;37(11):2252-2260. doi: 10.1053/j.jvca.2023.08.001. Epub 2023 Aug 9.

46. Veno-venous extracorporeal membrane oxygenation for rescue support in pregnant patients with COVID-19: a systematic review.

Palella S, Muscarà L, La Via L, Sanfilippo F.

Br J Anaesth. 2023 Oct;131(4):e130-e132. doi: 10.1016/j.bja.2023.07.008. Epub 2023 Aug 4.

47. Comparison of the Airway Anatomy between Infants and Three Pediatric Simulators: A Radiological Study on Premature Anne, Infant AM Trainer and Simbaby Manikins.

La Via L, Falsaperla D, Merola F, Basile A, Sanfilippo F.

Prosthesis. 2023;5(3):602-609. doi: 10.3390/prosthesis5030045.

48. Effects of pneumoperitoneum on hemodynamics evaluated by continuous noninvasive arterial pressure monitoring. A single-center observational study.

La Via L, Palumbo G, Guccione G, Continella C, Cirica G, Tutino S, Nicosia T, Astuto M, Sanfilippo F.

Ann Ital Chir. 2023;94:281-288.

49. Echocardiography phenotypes of right ventricular involvement in COVID-19 ARDS patients and ICU mortality: post-hoc (exploratory) analysis of repeated data from the ECHO-COVID study.

Huang S, Vieillard-Baron A, Evrard B, Prat G, Chew MS, Balik M, Clau-Terré F, De Backer D, Mekontso Dessap A, Orde S, Morelli A, Sanfilippo F, Charron C, Vignon P; ECHO-COVID study group.

Intensive Care Med. 2023 Aug;49(8):946-956. doi: 10.1007/s00134-023-07147-z. Epub 2023 Jul 12.

50. Combined laryngo-bronchoscopy intubation approach in the normal airway scenario: a simulation study on anesthesiology residents.

La Via L, Messina S, Merola F, Astuto M, Sanfilippo F.

Signa Vitae. 2023;19(4):91-98. doi: 10.22514/sv.2023.003.

51. Fentanyl vs morphine as adjuvant to spinal anesthesia for caesarean section: an observational study.

La Via L, Minardi C, Brancati S, Bernardini R, Sanfilippo F.

EuroMediterr Biomed J. 2023;18:79-83. doi: 10.3269/1970-5492.2023.18.18.

52. Inferior vena cava distensibility from subcostal and trans-hepatic imaging using both M-mode or artificial intelligence: a prospective study on mechanically ventilated patients.

Sanfilippo F, La Via L, Dezio V, Amelio P, Genoese G, Franchi F, Messina A, Robba C, Noto A.

Intensive Care Med Exp. 2023 Jul 10;11(1):40. doi: 10.1186/s40635-023-00529-z.

53. Use of combined laryngo-bronchoscopy intubation approach in a simulated difficult airway scenario with cervical stabilization.

La Via L, Merola F, Messina S, Tigano S, Sanfilippo F.

Signa Vitae. 2023;19(6):104-111. doi: 10.22514/sv.2023.007.

54. Implementation of video-calls between patients admitted to intensive care unit during the COVID-19 pandemic and their families: a pilot study of psychological effects.

Sanfilippo F, La Via L, Schembari G, Tornitore F, Zuccaro G, Morgana A, Valenti MR, Oliveri F, Pappalardo F, Astuto M; RODOLICO-I. C. U. research group.

J Anesth Analg Crit Care. 2022 Aug 23;2(1):38. doi: 10.1186/s44158-022-00067-2.

55. The authors reply.

Zawadka M, La Via L, Wong A, Olusanya O, Andruszkiewicz P, Sanfilippo F.

Crit Care Med. 2023 Jul 1;51(7):e146-e148. doi: 10.1097/CCM.0000000000005922. Epub 2023 Jun 15.

56. Assessment of the inferior vena cava collapsibility from subcostal and trans-hepatic imaging using both M-mode or artificial intelligence: a prospective study on healthy volunteers.

Sanfilippo F, La Via L, Dezio V, Santonocito C, Amelio P, Genoese G, Astuto M, Noto A.

Intensive Care Med Exp. 2023 Apr 3;11(1):15. doi: 10.1186/s40635-023-00505-7.

57. Real-Time Ultrasound Guidance as Compared With Landmark Technique for Subclavian Central Venous Cannulation: A Systematic Review and Meta-Analysis With Trial Sequential Analysis.

Zawadka M, La Via L, Wong A, Olusanya O, Muscarà L, Continella C, Andruszkiewicz P, Sanfilippo F.

Crit Care Med. 2023 May 1;51(5):642-652. doi: 10.1097/CCM.0000000000005819. Epub 2023 Mar 2.

58. The interplay between left ventricular diastolic and right ventricular dysfunction: challenges in the interpretation of critical care echocardiography studies.
La Via L, Merola F, Schembari G, Liotta C, Sanfilippo F.
Egypt Heart J. 2023 Jan 24;75(1):7. doi: 10.1186/s43044-023-00333-w.
59. Melatonin or Ramelteon for Delirium Prevention in the Intensive Care Unit: A Systematic Review and Meta-Analysis of Randomized Controlled Trials.
Aiello G, Cuocina M, La Via L, Messina S, Attaguile GA, Cantarella G, Sanfilippo F, Bernardini R.
J Clin Med. 2023 Jan 5;12(2):435. doi: 10.3390/jcm12020435.
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Research Group Activities Characterized by National or International Collaborations

- Member of the European Society of Anesthesia and Intensive Care (ESAIC) Task Force for the development of Guidelines on preoperative assessment of adult patients not undergoing cardiac surgery (published in the European Journal of Anaesthesiology). I was involved in all phases of the process, including systematic literature review, article screening, risk of bias assessment, Delphi rounds for drafting recommendations, and writing and revision of the Guidelines. In particular, I was personally responsible for writing the section concerning preoperative airway assessment.
- Member and collaborator of the international research group "ECHO-COVID". The group produced an international observational study and a post-hoc analysis on ventricular dysfunction patterns in critically ill patients with COVID-19. Both articles were published in a Q1-ranked impact factor journal in the field (Intensive Care Medicine).
- Member of the international research group "POC-ECHO" which led to the publication of a European cross-sectional survey, approved by ESICM, on the experience of European Anesthesiologists-Intensivists with Point-of-Care Ultrasound. This survey was published in an impact factor journal in the field.

- I promoted and contributed to the collaboration between the Medical University of Warsaw, Poland and the University of Catania. This collaboration has produced to date three original studies and two literature reviews on point-of-care ultrasound in intensive care settings published in specialty journals, two of which are Q1-ranked.
- Member of the "Cardio-Thoracic-Vascular", "Simulation" and "Ambulatory Anesthesia and NORA" sections of SIAARTI (Italian Society of Anesthesia, Analgesia, Resuscitation and Intensive Care). These sections constitute national study groups aimed at promoting cultural, scientific, professional and clinical interest in the specific field.
- I have promoted and mentored research projects of residents and young European specialists within the European Society of Anesthesia and Intensive Care (ESAIC) Mentorship program as an official Mentor of the society for the 2024-2026 term.

Contributions to Volumes

- **ASSESSING LEFT VENTRICULAR FUNCTION**
Filippo Sanfilippo, Luigi La Via, Gianluca Paternoster
Book Chapter 7
In POINT-OF-CARE ULTRASOUND IN CRITICAL CARE
Scion Publishing Ltd.
ISBN 978 1 911510 99 4
- **POLITRAUMA – TRAUMA CRANICO – USTIONE – ASSIDERAMENTO –
ELETTROCUZIONE – COLPO DI CALORE**
Luigi La Via, Giuseppe Cuttone, Marco Cavaleri
Capitolo 8
In FARMACOLOGIA CLINICA & TERAPIA SISTEMATICA IN MEDICINA CRITICA E
D'EMERGENZA-URGENZA
2025 EDIZIONI IDELSON-GNOCCHI 1908 srl

TEACHING ACTIVITIES

Teaching Appointments at Qualified Universities/Institutions in Italy or Abroad

Teaching appointment as Visiting Professor at the Medical University of Warsaw, Poland

May-June 2023

Teaching appointment for seminar activities within the PhD Program in Translational Biomedicine at the University of Catania

January 2024

Culture della Materia Activity at the ChirMed Department of the University of Catania

From 12/04/2022 to 13/04/2025

Teaching appointment in the First-level Master's Degree "Management of Mass Emergencies in Out-of-Hospital Settings" at the "Giustino Fortunato" Telematic University of Benevento

Academic Year 2023/2024

Tutoring activity at the School in Anesthesia, Intensive Care and Pain Medicine at the "Magna Graecia" University of Catanzaro

From January 2023 to present

Supervisor activity for experimental thesis projects at the Faculty of Medicine and Surgery of the University of Catania

Academic Years 2021/2022 - 2022/2023

Tutoring activity for training events aimed at students of the Faculty of Medicine and Surgery of the University of Catania

Academic Year 2022/2023

Chair, Speaker, Moderator and Faculty Member at Conferences

- Invited Faculty Member and Speaker at the "HYBLA" conference (Perioperative Medicine -- Ragusa)

Ragusa, Italy -- May 15-16, 2025

- Invited Faculty Member and Speaker at the 11th Annual Spring Scientific Symposium in Anaesthesiology and Intensive Care

Niš, Serbia -- April 25-27, 2025

Title: "Assistive Artificial Intelligence in Airway Management"

- Invited Faculty Member, Speaker and Teach the Airway Teacher (TAT) Course instructor candidate

8th European Airway Management Society (EAMS) Congress

Istanbul, Turkey -- September 25-28, 2024

- Invited Speaker at the conference "La gestione delle vie aeree difficili"

Palermo, Italy -- June 28-29, 2024

Title: " Il ruolo degli ultrasuoni nella gestione delle vie aeree"

- Invited Speaker at the 10th Belgrade Mechanical Ventilation International Congress 2024 and Teach the Airway Teacher (TAT) Course instructor candidate

Belgrade, Serbia -- June 14-15, 2024

Title: "Echographic diaphragm assessment during Mechanical Ventilation"

- Invited Speaker at the International Airway Management Meeting (IAMM/CAAM Conference 2024) organized by the International Airway Management Society (IAMS)

Shanghai, China -- June 13-14, 2024

Title: "Artificial intelligence in airway management: moving towards the future"

- Invited Faculty Member and Teach the Airway Teacher (TAT) Course instructor candidate at the 50th Congress of The Romanian Society of Anaesthesia and Intensive Care (SRATI)

Sinaia, Romania -- May 15-19, 2024

- Co-Chair and instructor of the "Simulation Sessions and Workshops"

7th European Airway Management Society (EAMS) Congress

Baveno, Italy -- October 5-7, 2023

- Invited Speaker at the 7th ITACTA Trainee Course " Gestione Farmacologica del Paziente Cardiochirurgico ad alto rischio"

ITACTA Congress - Bologna, Italy - March 2-3, 2023

Title: " Gestione del supporto emodinamico, quando preferire vasopressori: Noradrenalina e Vasopressina"

- Invited Speaker at the 7th ITACTA Congress - Bologna, Italy - March 2-3, 2023

Title: " Iperossia e controllo della CO₂, novità nella gestione della ventilazione dopo arresto cardiaco"

CLINICAL ACTIVITY

Employment Positions

University Hospital "G.Rodolico - San Marco", Catania

January 1, 2021 - present

I am a Medical Doctor at the Anesthesia and Intensive Care Unit 1. During these years I have been involved in all specialties within the Unit, namely:

- Intensive Care Unit, especially during the COVID-19 pandemic, when the ICU was expanded to 14 beds.
- General Surgery Operating Rooms, both elective and emergency/urgency procedures.
- Specialized Surgery Operating Rooms, particularly Robotic Surgery (General, Thoracic, Gynecological, Urological), Pediatric Surgery, Orthopedic Surgery, Urological Surgery, Gynecological Surgery, Ophthalmic Surgery, and Otorhinolaryngology Surgery (both elective and emergency/urgency procedures).
- Delivery Room, including Labor Analgesia service.
- Medical Emergency Team (MET), particularly management of in-hospital cardiac arrest, intra- and inter-hospital transport of critical patients, emergencies in regular wards and emergency department.
- Non-Operating Room Anesthesia (NORA), particularly assistance with interventional radiology and digestive endoscopy procedures.
- Anesthesia Outpatient Clinic, particularly preoperative evaluation of all surgeries within the Unit, both elective and urgency procedures.

I was appointed Head of the Anesthesia Outpatient Clinic for Robotic Surgery by the Director of the Operating Rooms Unit, Dr. Carmelo Calvagna. As head, I supervise and coordinate the outpatient clinic activities concerning procedures to be performed using the Da Vinci Robot.

Furthermore, I am a member of the hospital operational group "Management of acute and post-operative pain" within the "Pain-Free Hospital" committee, which aims to draft hospital guidelines for standardized management of post-operative analgesic therapy and acute pain within the University Hospital "G. Rodolico -- San Marco".

Specialization Diploma in Anesthesia, Resuscitation, Intensive Care and Pain Medicine

December 2017 -- January 2023

Advanced Skills in Practical Procedures and Certifications

- Diagnostic and toilet fiberoptic bronchoscopies (more than 110 procedures)
- Percutaneous tracheostomies, including high difficulty cases and in patients with severe obesity (more than 25 procedures)
- Central Venous Catheter (CVC) and PICC placement (more than 250 procedures)
- Thoracic drainage (more than 15 procedures)
- Lung ultrasound (more than 50 procedures)
- Echocardiography in the critical patient
- Nasal and oral fiberoptic intubation (more than 50 procedures)

Main Congresses and Courses as Participant

1. Teach the Airway Teacher (TAT) Course – Milan, Italy 23 May 2023
2. Hemodynamic Monitoring – Humanitas University, Milano, Italy 14-15 Sep 2023
3. International course on Hemodynamic Monitoring and tissue perfusion II, Santiago, Chile 27 Oct 2021 (online)
4. Curso Internacional De Monitoreo Hemodinámico Y Perfusión Tisular En El Paciente Crítico, Serie De Bases Fisiopatológicas De La Medicina Intensiva, Santiago 21-23 Oct 2021 (online)
5. Ruolo dell'Ecografia nell'ACLS (Simulearn), Bologna, Italy 29 Sep 2020
6. Corso Avanzato teorico-pratico "Ventilab Sicilia", Siracusa, Italy 29-30 Nov 2019
7. Ecografia in Terapia Intensiva con Sistemi di Simulazione (Simulearn), Bologna, Italy 15 Oct 2019
8. Ultrasuoni in Anestesia Loco-Regionale (SIAARTI) – Milano, Italy 23 Mar 2019
9. ESICM Congress 2017 – Vienna, Austria 23 – 27 September
10. ESICM Congress 2021 – Digital
11. SIAARTI Congress 2021 – Roma, Italy 14-16 Oct 2021
12. EUROELSO Congress 2022 – London, UK 4-6 May 2022
13. ESAIC Congress 2022 – Milano, Italy 4-6 Jun 2022
14. ESICM Congress 2022 – Paris, France 22-26 Oct 2022
15. Specialization in Executive Data Science, issued by Johns Hopkins University on 24/05/2020 following completion of 5 online courses lasting one month each and passing the related exams.
16. Specialization in Patient Safety, issued by Johns Hopkins University on 10/07/2020 following completion of 7 online courses lasting one month each and passing the related exams.
17. Specialization in Biostatistics in Public Health, issued by Johns Hopkins University on 08/06/2020 following completion of 4 online courses lasting one month each and passing the related exams.
18. Specialization in Epidemiology for Public Health, issued by Imperial College of London on 22/06/2020 following completion of 3 online courses lasting one month each and passing the related exams.
19. Specialization in Healthcare Trends for Business Professionals, issued by Northeastern University on 21/07/2020 following completion of 4 online courses lasting one month each and passing the related exams.

20. Specialization in Healthcare Organization Operations, issued by Rutgers University on 16/08/2020 following completion of 4 online courses lasting one month each and passing the related exams.
21. Specialization in Epidemiology in Public Health Practice, issued by Johns Hopkins University on 07/06/2020, following completion of 5 online courses lasting one month each and passing the related exams.

COMPUTER AND LANGUAGE SKILLS

I am proficient in using the Microsoft Office suite, for which I hold the European Computer Driving Licence (ECDL) certification. I independently use statistical software such as RevMan 5.4 and TSA software. I am capable of performing advanced searches on major databases including MEDLINE, PubMed, Embase, Cochrane, and Scopus.

I speak and write fluently in English, for which I hold certifications from Trinity College of London (Level 10 -- C1) and the University of Cambridge (FCE -- B2).