

## TOMMASO SCQUIZZATO, MD

ORCID: 0000-0002-1394-8402

Web of Science ResearcherID: AAN-5554-2020

Scopus ID: 57205742216

## EDUCATION

---

2017 – 2023      **Degree Course in Medicine and Surgery (held in English)**  
Vita-Salute San Raffaele University, Milan, Italy

## WORK EXPERIENCE

---

October 2018 – present      **MD-Researcher, Center for Intensive Care and Anesthesiology**  
IRCCS San Raffaele Scientific Institute, Milan, Italy  
I conduct research in the fields of resuscitation, cardiac arrest, emergency medicine, and medical technology, mainly with the ideation of systematic reviews and meta-analyses and observational studies. I manage social media accounts of the center.

October 2018 – July 2023      **Internship, Department of Anesthesia and Intensive Care**  
IRCCS San Raffaele Scientific Institute, Milan, Italy  
Clinical activity as a medical student in the cardiothoracic intensive care unit and operating rooms.

November 2021 – present      **Social Media Editor**  
Resuscitation and Resuscitation Plus journals, Elsevier  
Member of the Editorial Boards as Social Media Editor

December 2021 – present      **Member, BLS Science and Education Committee**  
European Resuscitation Council (ERC)

July 15<sup>th</sup> 2021 – present      **Member, ILCOR Communications Committee**  
International Liaison Committee on Resuscitation (ILCOR)

March 2021 – present      **Member, ERC Social Media Team**  
European Resuscitation Council (ERC)

- December 2021 – present      **Member, Scientific Committee**  
Italian Resuscitation Council (IRC)
- 2019 - 2020      **Internship, Pre-hospital Emergency Medical Services**  
Centrale Operativa SUEM 118, Azienda ULSS 3 Serenissima, Venezia, Italy
- June 2018 - September 2018      **Internship, Emergency Department**  
Emergency Department, Azienda ULSS 2 Marca Trevigiana, Treviso, Italy
- April 2016 - October 2017      **Internship, Emergency Department**  
Emergency Department, Azienda ULSS 6 Euganea, Camposampiero (Padova), Italy

## SKILLS

---

- Systematic Reviews, Pairwise and Network Meta-Analyses, Meta-Regressions, Trial Sequential Analysis
- Statistical analysis with R, STATA, RevMan, and Python
- Data management with SQL
- Design of infographics and visual/graphical abstracts
- Active on social media (>4000 Twitter followers)
- Management of social media accounts for medicine and scientific communication and live tweeting during conferences
- Knowledge of programming languages including C++, Swift, C#, Java, JS, HTML, PHP, Python
- Development of apps (iOS, Android) and websites (also for research purposes)
- Fluent in speaking and writing in English

## AWARDS

---

- 40 Under 40 for Cardiac Arrest awarded by Citizen's CPR Foundation, USA on October, 27<sup>th</sup> 2021
- Member of the multidisciplinary panel of SIAARTI (Italian Scientific Society of Anaesthesiologists and Intensivists) for Good Clinical Practices guidelines on Targeted Temperature Management (TTM)
- UniSR Talents - April 14, 2021 (<https://www.unisr.it/en/news/2021/4/talenti-unisr-tommaso-scquizzato>)
- Received in 2014 the title of *Alfiere della Repubblica Italiana* (Standard-bearer of the Italian Republic) from the President of the Republic for having developed a smartphone application to teach how to perform cardiopulmonary resuscitation in case of sudden cardiac arrest.
- 3<sup>rd</sup> Best abstract "Coronary angiography findings after out-of-hospital cardiac arrest: a systematic review and meta-analysis" Italian Resuscitation Council Congress - Rome 2022. October 14-15, 2022.
- 1<sup>st</sup> Best abstract "Caratteristiche e outcome degli arresti cardiaci extra-ospedalieri ricoverati durante la pandemia COVID-19 a Milano" Area Critica, December 2 - 3, 2021, Bologna

- 1<sup>st</sup> Best abstract “Therapeutic hypothermia in critical illness: a meta-analysis of randomised controlled trials” - ITACTA congress, February 28 - March 1, 2019, Bologna, Italy
- 1<sup>st</sup> prize in SMACCCBYTE Competition organized by SMACC Conference in Berlin, June 2017
- 2<sup>nd</sup> prize in SMACCCBYTE Competition organized by SMACC Conference in Dublin, June 2016

## ACADEMIC ACTIVITY

---

**Summary** - years 2018-2023

**Number of publications in peer-reviewed journals:** 64

**H-index:** 11 (Scopus), 13 (Google Scholar)

**Total Times Cited:** 559 (Scopus), 885 (Google Scholar)

**Books/book chapters/guidelines:** 7

**Invited presentations:** 30

**Conference proceedings:** 33

**Editorial activity:** editorial board member of 2 journals and reviewer for 11 journals

---

## Publications in peer-reviewed Journals

**Number of publications:** 64

1. [Scquizzato T](#), Gamberini L, Semeraro F. Integrating Data From Motor Vehicle Crash Detection Systems of Smartphones and Wearable Digital Devices-The Future of Trauma Care. *JAMA Surg.* 2023 Jun 28. doi: 10.1001/jamasurg.2023.1031. Epub ahead of print. PMID: 37378992.
2. Eastwood G, Nichol AD, Hodgson C, Parke RL, McGuinness S, Nielsen N, Bernard S, Skrifvars MB, Stub D, Taccone FS, Archer J, Kutsogiannis D, Dankiewicz J, Lilja G, Cronberg T, Kirkegaard H, Capellier G, Landoni G, Horn J, Olasveengen T, Arabi Y, Chia YW, Markota A, Hænggi M, Wise MP, Grejs AM, Christensen S, Munk-Andersen H, Granfeldt A, Andersen GØ, Qvigstad E, Flaa A, Thomas M, Sweet K, Bewley J, Bäcklund M, Tiainen M, Iten M, Levis A, Peck L, Walsham J, Deane A, Ghosh A, Annoni F, Chen Y, Knight D, Lesona E, Tlayjeh H, Svenšek F, McGuigan PJ, Cole J, Pogson D, Hilty MP, Düring JP, Bailey MJ, Paul E, Ady B, Ainscough K, Hunt A, Monahan S, Trapani T, Fahey C, Bellomo R; [TAME Study Investigators \(Scquizzato T\)](#). Mild Hypercapnia or Normocapnia after Out-of-Hospital Cardiac Arrest. *N Engl J Med.* 2023 Jul 6;389(1):45-57. doi: 10.1056/NEJMoa2214552. Epub 2023 Jun 15. PMID: 37318140.
3. [Scquizzato T](#), Sofia R, Gazzato A, Sudano A, Altizio S, Biondi-Zoccai G, Ajello S, Mara Scandroglio A, Landoni G, Zangrillo A. Coronary angiography findings in resuscitated and refractory out-of-hospital cardiac arrest: a systematic review and meta-analysis. *Resuscitation.* 2023 Jun 9:109869. doi: 10.1016/j.resuscitation.2023.109869. Epub ahead of print. PMID: 37302683.
4. Metelmann B, Elschenbroich D; European Research Collaboration on Citizen First Responders; Auricchio A, Baldi E, Beckers SK, Burkart R, Fredman D, Ganter J, Krammel M, Marks T, Metelmann C, Müller MP, [Scquizzato T](#), Stieglis R, Strickmann B, Christian Thies K. Proposal to

- increase safety of first responders dispatched to cardiac arrest. *Resusc Plus*. 2023 May 15;14:100395. doi: 10.1016/j.resplu.2023.100395. PMID: 37215185; PMCID: PMC10199241.
5. Kotani Y, Landoni G, Scquizzato T, Mohamed N, Baiardo Redaelli M, Sofia R, Fresilli S, Zangrillo A, Azzolini ML. Antiandrogen agents in COVID-19: a meta-analysis of randomized trials. *Minerva Med*. 2023 May 19. doi: 10.23736/S0026-4806.23.08538-5. Epub ahead of print. PMID: 37204782.
  6. Schroeder DC, Semeraro F, Greif R, Bray J, Morley P, Parr M, Kondo Nakagawa N, Iwami T, Finke SR, Malta Hansen C, Lockey A, Del Rios M, Bhanji F, Sasson C, Schexnayder SM, Scquizzato T, Wetsch WA, Böttiger BW; International Liaison Committee on Resuscitation. KIDS SAVE LIVES: Basic Life Support Education for Schoolchildren: A Narrative Review and Scientific Statement From the International Liaison Committee on Resuscitation. *Circulation*. 2023 May 17. doi: 10.1161/CIR.0000000000001128. Epub ahead of print. PMID: 37194575.
  7. Schroeder DC, Semeraro F, Greif R, Bray J, Morley P, Parr M, Kondo Nakagawa N, Iwami T, Finke SR, Malta Hansen C, Lockey A, Del Rios M, Bhanji F, Sasson C, Schexnayder SM, Scquizzato T, Wetsch WA, Böttiger BW; International Liaison Committee on Resuscitation. KIDS SAVE LIVES: Basic Life Support Education for Schoolchildren: A Narrative Review and Scientific Statement From the International Liaison Committee on Resuscitation. *Resuscitation*. 2023 May 15:109772. doi: 10.1016/j.resuscitation.2023.109772. Epub ahead of print. PMID: 37190748.
  8. Scquizzato T, Yannopoulos D, Bělohávek J, Taccone FS, Lorusso R, Scandroglio AM, Landoni G, Swol J. Extracorporeal CPR after the INCEPTION trial: No one steps twice into the same river. *Artif Organs*. 2023 May;47(5):802-805. doi: 10.1111/aor.14520. PMID: 37171146.
  9. Piersanti G, Landoni G, Scquizzato T, Zangrillo A, Piemonti L. Reparixin improves survival in critically ill and transplant patients: A meta-analysis. *Eur J Clin Invest*. 2023 May 9:e14015. doi: 10.1111/eci.14015.
  10. Gamberini L, Scquizzato T, Tartaglione M, Chiarini V, Mazzoli CA, Allegri D, Lupi C, Gordini G, Coniglio C, Brogi E. Diagnostic accuracy for hemoperitoneum, influence on prehospital times and time-to-definitive treatment of prehospital FAST: A systematic review and individual participant data meta-analysis. *Injury*. 2023 Mar 20:S0020-1383(23)00280-2. doi: 10.1016/j.injury.2023.03.024.
  11. Gillon S, Zheng C, Feng Z, Fleig M, Scquizzato T, Belohlavek J, Lorusso R, Lone N, Swol J. GEospatial aNalysis of ExtRacorporeal membrane oxygenATion in Europe (GENERATE). *Perfusion*. 2023 Mar 6:2676591231160471. doi: 10.1177/02676591231160471. PMID: 36879353.
  12. Scquizzato T, Bonaccorso A, Swol J, Gamberini L, Scandroglio AM, Landoni G, Zangrillo A. Refractory out-of-hospital cardiac arrest and extracorporeal cardiopulmonary resuscitation: A meta-analysis of randomized trials. *Artif Organs*. 2023 Mar 16. doi: 10.1111/aor.14516. Epub ahead of print. PMID: 36929354.
  13. Scquizzato T, Hutin A, Landoni G. Extracorporeal cardiopulmonary resuscitation: pre-hospital or in-hospital cannulation? *J Cardiothorac Vasc Anesth*. 2023. doi:10.1053/j.jvca.2023.01.015
  14. Scquizzato T, Landoni G, Ristagno G, Pruna A, Zangrillo A. Emergency calls as an early indicator of intensive care unit demand for coronavirus disease 2019. *Eur J Emerg Med*. 2023;30(1):47-48. doi:10.1097/MEJ.0000000000000917
  15. Scquizzato T, Gamberini L, D'Arrigo S, Galazzi A, Babini G, Losiggio R, Imbriaco G, Fumagalli F, Cucino A, Landoni G, Scapigliati A, Ristagno G, Semeraro F; Collaborators. Incidence,

- characteristics, and outcome of out-of-hospital cardiac arrest in Italy: A systematic review and meta-analysis. *Resusc Plus*. 2022 Nov 11;12:100329. doi: 10.1016/j.resplu.2022.100329.
16. Gamberini L, Scquizzato T, Mazzoli CA, Tartaglione M, Semeraro F. Reply to: Factors influencing prehospital physicians' decision to initiate advanced life support for asystolic out-of-hospital cardiac arrest patients: The need to define experience. *Resuscitation*. 2022 Oct;179:245-247. doi: 10.1016/j.resuscitation.2022.07.027.
  17. Gazzato A, Scquizzato T, Imbriaco G, Negro A, Caballo Garrido MC, Landoni G, Zangrillo A, Borghi G. The Effect of Intensive Care Unit Diaries on Posttraumatic Stress Disorder, Anxiety, and Depression: A Systematic Review and Meta-analysis of Randomized Controlled Trials. *Dimens Crit Care Nurs*. 2022 Sep-Oct 01;41(5):256-263. doi: 10.1097/DCC.0000000000000539. PMID: 35905428.
  18. Landoni G, Zangrillo A, Piersanti G, Scquizzato T, Piemonti L. The effect of reparixin on survival in patients at high risk for in-hospital mortality: a meta-analysis of randomized trials. *Front Immunol*. 2022;13. doi:10.3389/fimmu.2022.932251
  19. Gamberini L, Mazzoli CA, Allegri D, Scquizzato T, Baroncini S, Guarnera M, Tartaglione M, Chiarini V, Picoco C, Semeraro F, Gordini G, Coniglio C. Factors influencing prehospital physicians' decisions to initiate advanced resuscitation for asystolic out-of-hospital cardiac arrest patients. *Resuscitation*. 2022 Aug;177:19-27. doi: 10.1016/j.resuscitation.2022.06.015. Epub 2022 Jun 26. PMID: 35760227.
  20. Scquizzato T, Imbriaco G, Moro F, Losiggio R, Cabrini L, Consolo F, Landoni G, Zangrillo A. Non-invasive ventilation in the prehospital emergency setting: A systematic review and meta-analysis. *Prehosp Emerg Care*. 2022 Jun 12:1-14. doi: 10.1080/10903127.2022.2086331.
  21. Imbriaco G, Masina J, Scquizzato T, Gamberini L, Semeraro F. Don't call it "massage"! The importance of words during dispatcher-assisted cardiopulmonary resuscitation. *Resuscitation*. 2022 Jun 8:S0300-9572(22)00174-5. doi: 10.1016/j.resuscitation.2022.06.004.
  22. Scquizzato T, Gamberini L, Semeraro F. How technology can save lives in cardiac arrest. *Curr Opin Crit Care*. 2022 Jun 1;28(3):250-255. doi: 10.1097/MCC.0000000000000930.
  23. Gazzato A, Scquizzato T, Franco A, Zangrillo A, Scandroglio AM. Walking on ECMO support: An analysis of videos shared on social media. *Intensive Crit Care Nurs*. 2022 May 18:103253. doi: 10.1016/j.iccn.2022.103253.
  24. Scquizzato T, Bernard SA. Extracorporeal CPR: Now a standard of care? *Resusc Plus*. 2022 Apr 21;10:100235. doi: 10.1016/j.resplu.2022.100235.
  25. Gamberini L, Tartivita CN, Guarnera M, Allegri D, Baroncini S, Scquizzato T, Tartaglione M, Alberto Mazzoli C, Chiarini V, Picoco C, Coniglio C, Semeraro F, Gordini G. External validation and insights about the calibration of the return of spontaneous circulation after cardiac arrest (RACA) score. *Resusc Plus*. 2022 Apr 1;10:100225. doi: 10.1016/j.resplu.2022.100225.
  26. Scquizzato T, Gamberini L, Stella F, Paoli A, Gazzato A, Forti A, Semeraro F. Analysis of road traffic accidents involving standing electric scooters reported in newspapers in Italy. *Clin Exp Emerg Med*. 2022 Mar;9(1):36-40. doi: 10.15441/ceem.21.078.
  27. Gamberini L, Scquizzato T, Semeraro F, Scapigliati A, Ristagno G, Cucino A; Italian Resuscitation Council Scientific Committee. Safety of face-to-face 2021 annual congress of the Italian Resuscitation Council during the fourth COVID-19 wave in Italy. *Resuscitation*. 2022 Mar 15;174:22-23. doi: 10.1016/j.resuscitation.2022.02.027.

28. [Scquizzato T](#), Belloni O, Semeraro F, Greif R, Metelmann C, Landoni G, Zangrillo A. Dispatching citizens as first responders to out-of-hospital cardiac arrests: a systematic review and meta-analysis. *Eur J Emerg Med*. 2022 Mar 10. doi: 10.1097/MEJ.0000000000000915
29. Perkins GD, Bray J, Couper K, Morley P, [Scquizzato T](#), Nolan JP. Resuscitation plus - Initial successes and future direction. *Resusc Plus*. 2022 Feb 17;9:100213. doi: 10.1016/j.resplu.2022.100213
30. [Scquizzato T](#), Bonaccorso A, Consonni M, Scandroglio AM, Swol J, Landoni G, Zangrillo A. Extracorporeal cardiopulmonary resuscitation for out-of-hospital cardiac arrest: A systematic review and meta-analysis of randomized and propensity-matched studies. *Artif Organs*. 2022. doi: 10.1111/aor.14205
31. [Scquizzato T](#), Landoni G, Ristagno G, Pruna A, Zangrillo A. Emergency calls as an early indicator of intensive care unit demand for COVID-19. *Eur J Emerg Med*. 2022. In Press
32. [Scquizzato T](#), Belloni O, Semeraro F, Greif R, Metelmann C, Landoni G, Zangrillo A. Dispatching citizens as first responders to out-of-hospital cardiac arrests: A systematic review and meta-analysis. *Eur J Emerg Med*. 2022. In Press
33. Perkins GD, Bray J, Couper K, Morley P, [Scquizzato T](#), Nolan JP. Resuscitation plus – Initial successes and future direction. *Resuscitation Plus*. 2022;9: 100213. doi:10.1016/j.resplu.2022.100213
34. Forti A, van Veelen MJ, [Scquizzato T](#), Dal Cappello T, Palma M, Strapazzon G. Mechanical cardiopulmonary resuscitation in microgravity and hypergravity conditions: A manikin study during parabolic flight. *Am J Emerg Med*. 2021
35. D'Amico F, Marmiere M, Righetti B, [Scquizzato T](#), Zangrillo A, Puglisi R, Landoni G. COVID-19 seasonality in temperate countries. *Environ Res*. 2021 doi: 10.1016/j.envres.2021.112614.
36. [Scquizzato T](#), Young JP, Landoni G, Zaraca L, Zangrillo A. Randomised trials of temperature management in cardiac arrest: Are we observing the Zeno's paradox of the Tortoise and Achilles?. *Crit Care*. 2020 doi: 10.1186/s13054-021-03826-9
37. [Scquizzato T](#), Semeraro F. No more unwitnessed out-of-hospital cardiac arrests in the future thanks to technology. *Resuscitation*. 2021
38. Imbriaco G, Gazzato A, Monesi A, [Scquizzato T](#), Semeraro F. Evaluation of noise levels in COVID-19 and non-COVID-19 intensive care units in Italy. *Intensive Crit Care Nurs*. 2021 doi: 10.1016/j.iccn.2021.103167
39. [Scquizzato T](#), Landoni G, Bordoni G, Zaraca L, Monti G, Zangrillo A. AED training with a 3D-printed model and a smartphone app. *Resuscitation*. 2021 doi: 10.1016/j.resuscitation.2021.09.026.
40. [Scquizzato T](#), Landoni G, Scandroglio AM, Franco A, Calabrò MG, Paoli A, D'Amico F, Yavorovskiy A, Zangrillo A. Outcomes of out-of-hospital cardiac arrest in patients with SARS-CoV-2 infection: a systematic review and meta-analysis. *Eur J Emerg Med*. 2021 Oct 21. doi: 10.1097/MEJ.0000000000000878.
41. Metelmann C, Metelmann B, Herzberg L, Auricchio A, Baldi E, Benvenuti C, Burkart R, Fredman D, Krammel M, Müller MP, [Scquizzato T](#), Stieglis R, Svensson L, Thies KC; European research collaboration on citizen first responders. More patients could benefit from dispatch of citizen first responders to cardiac arrests. *Resuscitation*. 2021 Sep 30;168:93-94. doi: 10.1016/j.resuscitation.2021.09.026.

42. Scquizzato T, D'Amico F, Rocchi M, Saracino M, Stella F, Landoni G, Zangrillo A. Impact of COVID-19 Pandemic on Out-of-Hospital Cardiac Arrest System-of-Care: A Systematic Review and Meta-Analysis. *Prehosp Emerg Care*. 2021 Sep 14;1-12. doi: 10.1080/10903127.2021.1967535.
43. Semeraro F, Corona G, Scquizzato T, Gamberini L, Valentini A, Tartaglione M, Scapigliati A, Ristagno G, Martella C, Descovich C, Picoco C, Gordini G. New Early Warning Score: EMS Off-Label Use in Out-of-Hospital Patients. *J Clin Med*. 2021 Jun 14;10(12):2617. doi: 10.3390/jcm10122617.
44. Della-Torre E, Lanzillotta M, Campochiaro C, Cavalli G, De Luca G, Tomelleri A, Boffini N, De Lorenzo R, Ruggeri A, Rovere-Querini P, Castagna A, Landoni G, Tresoldi M, Ciceri F, Zangrillo A, Dagna L for the BIO-RAF Study Group (Collaborator: Scquizzato T). Respiratory Impairment Predicts Response to IL-1 and IL-6 Blockade in COVID-19 Patients With Severe Pneumonia and Hyper-Inflammation. *Front Immunol*. 2021 Apr 29;12:675678. doi: 10.3389/fimmu.2021.675678.
45. Landoni G, Scquizzato T, Yavorovskiy A.G., Zangrillo A, Silveti S. Elderly and Children Are Not The Only Victims of Foreign Body Airway Obstruction in Italy (A National Media-Based Survey). *Obshchaya Reanimatologiya = General Reanimatology*. 2021; doi: 10.15360/1813-9779-2021-1-4-15
46. Scquizzato T, Gazzato A, Semeraro F, Landoni G, Ristagno G, Scapigliati A. Cardiac arrest reported in newspapers: A new, yet missed, opportunity to increase cardiopulmonary resuscitation awareness. *Resuscitation*. 2021 doi: 10.1016/j.resuscitation.2021.01.002
47. Scquizzato T, Landoni G, Paoli A, Lembo R, Fominskiy E, Kuzovlev A, Likhvantsev V, Zangrillo A. Effects of COVID-19 pandemic on out-of-hospital cardiac arrests: A systematic review. *Resuscitation*. 2020 doi: 10.1016/j.resuscitation.2020.10.020
48. Scquizzato T, Frontera A, Limite LR, Landoni G. Smartwatch-detected atrial fibrillation in the Emergency Department: possible implications and treatment. *J Cardiovasc Med (Hagerstown)*. 2020 doi: 10.2459/JCM.0000000000001131
49. Paoli A, Brischiaglio L, Scquizzato T, Favaretto A, Spagna A. Out-of-hospital cardiac arrest during the COVID-19 pandemic in the Province of Padua, Northeast Italy. *Resuscitation*. 2020 doi: 10.1016/j.resuscitation.2020.06.031
50. Fominskiy EV, Scandroglio AM, Monti G, Calabrò MG, Landoni G, Dell'Acqua A, Beretta L, Moizo E, Ravizza A, Monaco F, Campochiaro C, Pieri M, Azzolini ML, Borghi G, Crivellari M, Conte C, Mattioli C, Silvani P, Mucci M, Turi S, Tentori S, Baiardo Redaelli M, Sartorelli M, Angelillo P, Belletti A, Nardelli P, Nisi FG, Valsecchi G, Barberio C, Ciceri F, Serpa Neto A, Dagna L, Bellomo R, Zangrillo A; COVID-BioB Study Group (Collaborator: Scquizzato T). Prevalence, Characteristics, Risk Factors, and Outcomes of Invasively Ventilated COVID-19 Patients with Acute Kidney Injury and Renal Replacement Therapy. *Blood Purif*. 2020 doi: 10.1159/000508657
51. Stella F, Alexopoulos C, Scquizzato T, Zorzi A. Impact of the COVID-19 outbreak on emergency medical system missions and emergency department visits in the Venice area. *Eur J Emerg Med*. 2020 doi: 10.1097/MEJ.0000000000000724
52. Scquizzato T, Pallanch O, Belletti A, Frontera A, Cabrini L, Zangrillo A, Landoni G. Enhancing citizens response to out-of-hospital cardiac arrest: A systematic review of mobile-phone systems to alert citizens as first responders. *Resuscitation*. 2020 doi: 10.1016/j.resuscitation.2020.05.006
53. Zangrillo A, Beretta L, Scandroglio AM, Monti G, Fominskiy E, Colombo S, Morselli F, Belletti A, Silvani P, Crivellari M, Monaco F, Azzolini ML, Reineke R, Nardelli P, Sartorelli M, Votta CD,

- Ruggeri A, Ciceri F, De Cobelli F, Tresoldi M, Dagna L, Rovere-Querini P, Serpa Neto A, Bellomo R, Landoni G; COVID-BioB Study Group (Collaborator: Scquizzato T). Characteristics, treatment, outcomes and cause of death of invasively ventilated patients with COVID-19 ARDS in Milan, Italy. *Crit Care Resusc.* 2020 PMID: 32900326.
54. Semeraro F, Scquizzato T, Scapigliati A, Ristagno G, Gamberini L, Tartaglione M, Dell'Arciprete O, Mora F, Cordenons F, Del Giudice D, Picoco C, Gordini G. New Early Warning Score: off-label approach for Covid-19 outbreak patient deterioration in the community. *Resuscitation.* 2020 doi: 10.1016/j.resuscitation.2020.04.018
55. Scquizzato T, Olasveengen TM, Ristagno G, Semeraro F. The other side of novel coronavirus outbreak: Fear of performing cardiopulmonary resuscitation. *Resuscitation.* 2020 doi: 10.1016/j.resuscitation.2020.03.019
56. Scquizzato T, Gazzato A, Landoni G, Zangrillo A. Assessment of noise levels in the intensive care unit using Apple Watch. *Crit Care.* 2020 doi: 10.1186/s13054-020-02852-3
57. Scquizzato T, Burkart R, Greif R, Monsieurs KG, Ristagno G, Scapigliati A, Semeraro F. Mobile phone systems to alert citizens as first responders and to locate automated external defibrillators: A European survey. *Resuscitation.* 2020 doi: 10.1016/j.resuscitation.2020.03.009.
58. Zangrillo A, Beretta L, Silvani P, Colombo S, Scandroglio AM, Dell'Acqua A, Fominskiy E, Landoni G, Monti G, Azzolini ML, Monaco F, Oriani A, Belletti A, Sartorelli M, Pallanch O, Saleh O, Sartini C, Nardelli P, Lombardi G, Morselli F, Scquizzato T, Frontera A, Ruggeri A, Scotti R, Assanelli A, Dagna L, Rovere-Querini P, Castagna A, Scarpellini P, Di Napoli D, Ambrosio A, Ciceri F, Tresoldi M. Fast reshaping of intensive care unit facilities in a large metropolitan hospital in Milan, Italy: facing the COVID-19 pandemic emergency. *Crit Care Resusc.* 2020 PMID: 32227819.
59. Landoni G, Morselli F, Silvetti S, Frontera A, Zangrillo A; Collaborators (Scquizzato T). Pizza in adults and grape in children are the most frequent causes of foreign body airway obstruction in Italy. A national media-based survey. *Resuscitation.* 2020 doi: 10.1016/j.resuscitation.2020.02.016
60. Scquizzato T, Landoni G, Semeraro F, Zangrillo A. Smartphone software update could potentially affect the efficiency of lay first-responders networks in out-of-hospital cardiac arrests. *Resuscitation.* 2019 doi: 10.1016/j.resuscitation.2019.08.030
61. Scquizzato T, Gazzato A. Adopting a smart toothbrush with artificial intelligence may improve oral care in patients admitted to the intensive care unit. *Crit Care.* 2019 doi: 10.1186/s13054-019-2512-8
62. Scquizzato T, Landoni G, Carenzo L, Forti A, Zangrillo A. A smartphone application with augmented reality for estimating weight in critically ill paediatric patients. *Resuscitation.* 2020 doi: 10.1016/j.resuscitation.2019.03.033
63. Forti A, Falla M, Scquizzato T, Strapazzon G. A New Approach to Detect Nonconvulsive Seizures in Patients in a Cardiac Surgery Intensive Care Unit by Monitoring Heart Rate Variability. *J Cardiothorac Vasc Anesth.* 2019 doi: 10.1053/j.jvca.2019.02.030
64. Scquizzato T, Landoni G, Forti A. Food-riders may improve the chain of survival in out-of-hospital cardiac arrests by delivering CPR and AEDs. *Resuscitation.* 2019 doi: 10.1016/j.resuscitation.2018.11.017



## Books and guidelines

1. Contributed to the chapters “Systems Saving Lives” and “Basic Life Support and AED” of European Resuscitation Council 2020 Guidelines for Resuscitation and Cardiac Arrest
2. Italian translation of the European Resuscitation Council Guidelines for Resuscitation during COVID-19 pandemic
3. Italian translation of the “Systems Saving Lives” chapter of the European Resuscitation Council guidelines 2021.
4. Book chapter “Rianimazione cardiopolmonare” Landoni G, Scquizzato T, Monti G, Zangrillo A. Biondi Zoccai G, editor. Malattie cardiovascolari. Approccio clinico e scientifico. Torino: Edizioni Minerva Medica; 2021. ISBN: 978-88-5532-066-5
5. Contributed to book chapters in the book “Urgenze ed emergenze. Istituzioni” by Maurizio Chiaranda (Autore), Andrea Paoli (a cura di)
6. Chapter “Technologies likely to impact cardiopulmonary resuscitation in the near future” in the book “Yearbook of Anesthesiology 12” 2022
7. KIDS SAVE LIVES: Basic Life Support Education for Schoolchildren: A Narrative Review and Scientific Statement From the International Liaison Committee on Resuscitation 2023

## Conferences

### Invited presentations (30)

1. How to go viral on social media! 5th collaborative clinical trials in intensive care medicine conference. Monash University, Prato, Italy
2. Extracorporeal CPR: What we learned from randomised trials? Spark of Life Congress, Australian Resuscitation Council, Brisbane, Australia – 1-3 giugno 2023
3. Shaping the future of trauma care with innovation and technology. Trauma Update, Bologna, Italy - 10-11 maggio 2023
4. Incidenza, caratteristiche, outcome dell'arresto cardiaco preospedaliero in Italia. CEU2023 - Terzo Congresso Nazionale Emergenza Urgenza, Firenze, 31 marzo - 1 aprile 2023.
5. Extracorporeal CPR nell'A.C pre-ospedaliero: chi, come, quando?. CEU2023 - Terzo Congresso Nazionale Emergenza Urgenza, Firenze, 31 marzo - 1 aprile 2023.
6. Gestione integrata e prospettive future dell'arresto cardiaco in Italia. CEU2023 - Terzo Congresso Nazionale Emergenza Urgenza, Firenze, 31 marzo - 1 aprile 2023.
7. Using social media scientifically in 2023: why and how? 42<sup>nd</sup> ISICEM. Brussels, Belgium, March 21 - 24, 2023.
8. Top 10 RCTs of 2022 in the field of cardiac arrest. Journal Club of Emergency Medicine (webinar online). March 25, 2023
9. Quando tutto questo non basta. 76° Congresso Nazionale SIAARTI - ICARE 2022, Milano 28-30 October 2022
10. Sudden cardiac arrest: are the outcomes improving? 35th Annual Congress ESICM LIVES, October 22-26, 2022, Paris
11. Cardiac arrest in COVID-19: lessons from the pandemic. 35th Annual Congress ESICM LIVES, October 22-26, 2022, Paris
12. The chain of survival in 2050. EuSEM Congress 2022 - Berlin, 15-19 October 2022.
13. Quanto tutto questo non basta: Extracorporeal CPR. IRC Congress 2022 - Rome, 14-15 October 2022.

14. No more unwitnessed cardiac arrests in the future. RESUSNL Conference. Rotterdam, 6-7 October 2022.
15. Social Media: Experiences, examples, frightening and possible consequences. HAI 2022 Congress of the German Society of Anesthesiology and Intensive Care - Berlin, September 14-17, 2022
16. Extracorporeal CPR: now a standard of care?. July 5, 2022. EMS Florida Webinar
17. Sharing Science (Infographics). European Resuscitation Congress. 16-17 June 2022, Antwerp, Belgium.
18. Going viral in 2022: presenting your findings with social media and infographics. 6 th Collaborative Clinical Trials in Anaesthesia Meeting 7th to 10th June, 2022. Monash University Prato Centre.
19. Research gap. 2nd International consensus conference on Smartphone Alerting Systems (SAS), hosted by GRC and Region of Lifesavers, Freiburg, Germany. 2nd - 3rd May 2022
20. Arresto cardiaco extra-ospedaliero: cosa funziona, quando nulla funziona? March 17, 2022. Webinar RescuePress.
21. Extracorporeal CPR in refractory out-of-hospital cardiac arrest. Medical University Vienna - Monash University - University of Washington Joint Resuscitation Rounds. March 2, 2022. Online.
22. Technology for Basic Life Support. Italian Resuscitation Council Congress, December 16-18, 2021, Rimini Italy
23. Systems Saving Lives: The Italian Resuscitation Council proposal become an Italian law. Safer Malta, The Malta Chamber, October 27<sup>th</sup> 2021.
24. App to alert first responders to out-of-hospital cardiac arrest. Webinar "Le nuove Linee Guida della Rianimazione Cardiopolmonare 2020-25". Italian Resuscitation Council, March 27<sup>th</sup> 2021
25. Impatto della pandemia COVID-19 sull'arresto cardiaco extra-ospedaliero. Aniarti Webinar, 25 feb. 21
26. Artificial Intelligence in Emergency Medicine. Congress of European Society of Emergency Medicine (EuSEM), Copenhagen, Denmark. 19-20 September 2020 (held online due to COVID-19 pandemic)
27. Surviving out-of-hospital cardiac arrest by chance or system? Congress of Italian Society of Emergency Medical Services, Catania, Italy - 2019
28. Infographics to communicate science for everyone. Congress of European Society of Emergency Medicine (EuSEM), Prague, Czech Republic - 2019
29. Surviving Out-Of-Hospital Cardiac Arrest by System, Not by Chance. Stryker Heartsafe Communities Symposium, London, UK - 2019
30. The medical simulation as seen by a medical student. Faculty Day of the Italian medical simulation competition, Novara, Italy - 2019

### **Moderator**

- Experiences with virtual reality for CPR training - online webinar organized by European Resuscitation Council - October 24, 2022

## Conference proceedings

1. S. Delrio, M. Pieri, T. Scquizzato, G. Piersanti, M.G. Calabrò, E. Fominskiy, A.M. Scandroglio. Extracorporeal resuscitation for out-of-hospital cardiac arrest: the 12-year experience of an Italian referral center. EuroELSO Congress 2023
2. Bonizzoni MA, De Santis M, Scquizzato T, Di Prima AL, Oliva FM, Frau G, Delrio S, Pieri M, Scandroglio AM. Organ donation after ECLS for out of hospital refractory cardiac arrest. ITACTA, 2 – 3 Marzo 2023, Bologna
3. Scquizzato T, Sofia R, Gazzato A, Sudano A, Pruna A, Zaraca L, Belloni O, Rocchi M, Saracino M, Perego CS, Piersanti G, Zangrillo A. Coronary angiography findings after out-of-hospital cardiac arrest: a systematic review and meta-analysis. Italian Resuscitation Council Congress - Rome 2022. October 14-15, 2022.
4. Scquizzato T, Gazzato A, Cattaneo S, Masa A, Consonni M, Bonaccorso A, Carà G, Bonizzoni MA, Kotani Y, D'Amico F, Russo G, Righetti B, Zangrillo A. Complications in patients treated with extracorporeal cardiopulmonary resuscitation: a systematic review and meta-analysis. Italian Resuscitation Council Congress - Rome 2022. October 14-15, 2022.
5. Gazzato A, Scquizzato T, Franco A, Dormio S, Alborino E, Piazza P, Carà Gianmarco, Triulzi M, Tucci M, Zangrillo A. Walking ECMO: an analysis of videos shared on social media. Abstract, ITACTA, 3 – 4 Marzo 2022, Bologna
6. Scquizzato T, Bonaccorso A, Consonni M, Casuale V, Damiani C, Paoli N, D'Amico F, Carbone M, Criscimanna A, Pruna A, Zangrillo A. A systematic review and meta-analysis of extracorporeal cardiopulmonary resuscitation for refractory out-of-hospital cardiac arrest. Abstract, ITACTA, 3 – 4 Marzo 2022, Bologna
7. Scquizzato T, Gamberini L, D'Arrigo S, Galazzi A, Babini G, Losiggio R, Imbriaco G, Fumagalli F, Semeraro F, Scapigliati A, Ristagno G, Cucino A. Incidence, characteristics, and outcomes of out-of-hospital cardiac arrest in Italy: A systematic review and meta-analysis. Italian Resuscitation Council Congress - Rome 2022. October 14-15, 2022.
8. Scquizzato T, Giordano VF, Nava M, Fresilli S, Senarighi G, Tozzi M, De Donato F, Sordoni S, Ortalda A, Zangrillo A. Caratteristiche e outcome degli arresti cardiaci extra-ospedalieri ricoverati durante la pandemia COVID-19 a Milano. Area Critica, Bologna, Italy 2 – 3 Dicembre 2021.
9. Giordano VF, Scquizzato T, Bellantoni A, Scarparo E, Frassanito C, Sanchini D, Lembo R, Pasin L, Landoni G, Zangrillo A. A meta-analysis on the use of Anakinra in patients hospitalized with COVID-19. Area Critica, Bologna, Italy 2 – 3 Dicembre 2021.
10. Nani F, Scquizzato T, Fedrizzi M, Fresilli S, Tamà S, Tornaghi A, Giardina G, Pasin L, Landoni G, Zangrillo A. Corticosteroids increase mortality in COVID-19 patients with low disease severity: a meta-analysis of randomized clinical trials. Area Critica, Bologna, Italy 2 – 3 Dicembre 2021
11. Forti A, Van Veelen MJ, Scquizzato T, Dal Cappello T, Palma M, Strapazzon G. "Mechanical cardiopulmonary resuscitation in simulated microgravity and hypergravity conditions: a manikin study during parabolic flight". eSMART 2021.
12. Scquizzato T, Fresilli S, D'Amico F, Righetti B, Tozzi M, Sordoni S, De Donato F, Barberio C, Quaggiotti L, Casiraghi MG, Zangrillo A. "The impact of COVID-19 pandemic on out-of-hospital cardiac arrests: a systematic review and meta-analysis". eSMART 2021.
13. Scquizzato T, Sordoni S, Lombardi G, Alba AC, Frassanito C, Sartorelli M, Marzaroli M, Palermo P, Bonizzoni MA, Righetti B, Zangrillo A. "Characteristics and outcomes of patients with SARS-

- CoV-2 infection and out-of-hospital cardiac arrest: a systematic review and meta-analysis". eSMART 2021.
14. Scquizzato T, Santamaria MI, Nava M, Fresilli S, Senarighi G, Lombardi G, Filippini M, Pallanch O, Nardelli P, Dalessandro G. OHCA and COVID-19 pandemic: a systematic review and meta-analysis. Area Critica, Bologna, Italy 2 – 3 Dicembre 2021
  15. Gazzato A, Scquizzato T, Consonni M, Galbiati C, Nakhnoukh C, Cuffaro R, Morselli F, Frassanito C, Migliaro A, Zangrillo A. "The effect of diaries on post-intensive care unit syndrome: a systematic review and meta-analysis of randomized controlled trials". eSMART 2021.
  16. Scquizzato T, Gamberini L, Stella F, Velati M, Paoli A, Gazzato A, Nisi F, Guidi L, Forti A, Semeraro F. "Analysis of road traffic accidents involving standing electric scooters as reported in newspapers in Italy". eSMART 2021.
  17. Scquizzato T, Fresilli S, D'amico F, Righetti B, Tozzi M, Sordoni S, De Donato F, Barberio C, Quaggiotti L, Casiraghi MG, Zangrillo A. The impact of COVID-19 pandemic on out-of-hospital cardiac arrests: a systematic review and meta-analysis. e-SMART 2021, May 24-28
  18. Scquizzato T, Sordoni S, Lombardi G, Alba AC, Frassanito C, Sartorelli M, Marzaroli M, Palermo P, Bonizzoni MA, Righetti B, Zangrillo A. Characteristics and outcomes of patients with SARS-CoV-2 infection and out-of-hospital cardiac arrest: a systematic review and meta-analysis. P12, e-SMART 2021, May 24-28
  19. Monti G, Scquizzato T, Colombo M, Giardina G, Lembo R, Cabrini L, Ranieri P, Galbiati C, Landoni G, Zangrillo A. Improving communication with intubated patients in the intensive care unit - CIAO: Comunicare In Autonomia Ora. OSR Scientific Retreat 2020, March 12 - 14, 2020, Baveno
  20. Saleh O, Scquizzato T, Ferrara B, De Donato F, Gazzato A, Landoni G. Il gelicidio del 2017 a Milano: impatto sui servizi di ambulanza e sui pronto soccorso. Abstract accepted at XVII Congresso Nazionale SIS118 28-30 novembre 2019 – Catania.
  21. Gazzato A, Scquizzato T. Emergency department nurses can safely remove cervical collars in low-risk adult trauma patients: a systematic review of literature. Abstract accepted at European Society of Emergency Medicine Congress 2019 in Prague.
  22. Scquizzato T, Saleh O, La Bruna A, Mendoza Vasquez LE, Hyun KJ, Turi S, Dorotei A, Ponzetta G, Giardina G, Zangrillo A, Landoni G. The 2017 freezing rain in Milan: impact on the regional ambulance services and emergency departments. Abstract accepted at European Society of Emergency Medicine Congress 2019 in Prague.
  23. Monti G, Pasculli N, Nuzzi M, Ruggeri L, Scquizzato T, Dalessandro G, De Domenico P, Lerose CC, Carta S. High doses proton pump inhibitors in sepsis: design of a randomized trial with in vitro experiments to search specific hallmarks in monocytes from septic patients and to characterize the mechanism of action of PPI. Abstract accepted at European Society of Emergency Medicine Congress 2019 in Prague.
  24. Cabrini L, Monti G, Tozzi M, Scquizzato T, Lembo R, Ranieri P, Foppoli L, Landoni G, Zangrillo A. Migliorare la comunicazione dei pazienti intubati in terapia intensiva. CIAO: comunicare in autonomia ora. Abstract accepted at 30° SMART Meeting, 8-10 May 2019.
  25. Scquizzato T, Landoni G, Carenzo L, Forti A, Gazzato A, La Bruna A, De Domenico P, Tozzi M, Zangrillo A. A smartphone application with augmented reality for estimating weight in critically ill paediatric patients. Abstract accepted at 30° SMART Meeting, 8-10 May 2019.

26. Scquizzato T, D'Apuzzo C, Gazzato A, Antonini MV, Paganini M, Rugna M, Sfuncia G, Della Vella C. Social media use by Italian Emergency Medicine and Critical Care physicians and nurses: a national survey. Abstract accepted at 30° SMART Meeting, 8-10 May 2019.
27. Landoni G, De Domenico P, Sartorelli M, Noè B, Barucco G, Mattioli C, Baiardo RM, Scquizzato T, Lerosé C, Belletti A, Monaco F, Zangrillo A. The role of Esmolol before and during cardioplegia in improving postoperative outcomes after cardiac surgery. Abstract accepted at OSR Scientific Retreat, March 2019.
28. Nagy A, Jun Hyun K, Belletti A, Baiardo RM, Scquizzato T, Giardina G, Dalessandro G, Noe B, Corrao F, Formicola L, Lombardi G, Camarda V, Castella A, Filippini M, Putzu A, Zangrillo A. Therapeutic Hypothermia In Critical Illness: A Meta-Analysis Of Randomised Controlled Trial. Best abstract accepted at ITACTA 2019 Congress
29. Scquizzato T, Vanzetto M, Marinaro G. Caratteristiche, trattamento e sopravvivenza dei pazienti colpiti da arresto cardiaco extra-ospedaliero nell'Alta Padovana. Abstract accepted at XVI Congresso Nazionale SIS 118, Padova 27-29 settembre 2018.
30. Scquizzato T. Cardiac arrest detection through artificial intelligence-based surveillance camera: A working prototype. Resuscitation 2018;130. Abstract accepted at European Resuscitation Council Congress 2018 in Bologna, Italy. doi: <https://doi.org/10.1016/j.resuscitation.2018.07.239>.
31. Scquizzato T, Vanzetto M, Marinaro G, on behalf of Alta Padovana OHCA registry collaborators. Epidemiology and outcomes from out-of-hospital cardiac arrest in Alta Padovana. Poster session presented at: XI SIMEU Congress; 2018 Sep 24-26; Milano, Italy. <https://doi.org/10.13140/RG.2.2.26741.88802>
32. A smartphone application with augmented reality for estimating weight in critically ill paediatric patients. 30° SMART Meeting, Milan, Italy - 2019
33. Social media use by Italian Emergency Medicine and Critical Care physicians and nurses: a national survey. 30° SMART Meeting, Milan, Italy - 2019

## Editorial activity

- Member of the Editorial Board of Resuscitation journal with the role of Social Media Editor (November 2021-present)
- Member of the Editorial Board of Resuscitation Plus journal with the role of Social Media Editor (January 2022-present)
- Member of the Editorial Board of RescuePress (<https://academy.rescue.press/rescue-press-journal/>) (2021-present)
- Member of the Editorial Board of SimZine (<https://simzine.it/chi-siamo/>) (2021-present)
- Reviewer for Journal of Cardiothoracic and Vascular Anesthesia, Resuscitation Plus, BMC Anesthesiology, BMJ Open, Perfusion, Clinical Case Reports, BMC Emergency Medicine, Journal of Clinical Medicine, Journal of Medical Internet Research, Open Access Emergency Medicine, Clinical and Experimental Emergency Medicine.
- Number of Reviews: 32 (review to publication ratio: 0.5/1)

## **Professional societies**

- Member of European Resuscitation Council (ERC) from 2020 to present
- Member of Extracorporeal Life Support Organization (ELSO) from 2022 to present
- Member of Italian Association of Cardiothoracic Anesthesiologists (ITACTA) from 2021 to present
- Member of European Society of Emergency Medicine (EuSEM) from 2022 to present
- Member of Italian Red Cross (CRI) from 2013 to present

I authorize the use of my personal information in accordance with Italian law n° 196/2003 regarding the use of personal information.

Milano, September 26, 2023