

EUROPEAN FORMAT  
CURRICULUM VITAE



PERSONAL INFORMATION

**Name** LONGHINI FEDERICO  
**Address** VIA CIPOLLINO SNC, SELLIA MARINA (CZ), ITALY  
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**Nationality** Italian

**Date of birth** 16/12/1983

EDUCATION

- Graduated in Medicine and Surgery at the University of Eastern Piedmont "A. Avogadro", October 27th, 2008. Final grade 107/110. Title of thesis: "Effects of propofol performed continuous sedation in Target Controlled Infusion on patient ventilator interaction".
- Licence exam, 2<sup>nd</sup> Session 2008. Medical Board of Novara, Italy n° 3923
- Anaesthesia and Intensive Care physician, University of Eastern Piedmont "A. Avogadro". Final grade 70/70 cum laude. Title of thesis: "Non-invasive ventilation in acute exacerbation of chronic obstructive pulmonary disease: Neurally Adjusted Ventilator Assist by helmet vs. Pressure Support by oro-nasal mask"
- Anesthesiologist and Intensive Care Physician at the Department of Anaesthesia and Intensive Care Unit, "Sant'Andrea" Hospital, Vercelli, Italy, from 01/08/2014 to 31/08/2018
- National Qualification as Associate Professor since 28/03/2017
- Associate Professor at the Magna Graecia University, Catanzaro, Italy since 01/09/2018

- Director of the School of Anesthesia and Intensive Care at the Magna Graecia University, Catanzaro, Italy since 30/09/2019
- Director of the Department of Anesthesia and Intensive Care Unit at the Magna Graecia University, Catanzaro, Italy since 20/11/2019

### **Clinical and research experiences**

- Clinical fellowship in Paediatric Intensive Care Unit directed by prof. Pierre Tissieres, Paris-Sud University, “Le Kremlin Bicetre” Hospital, Paris, France, from 01 April to 30 May 2014
- Clinical fellowship in Neonatal Intensive Care Unit directed by prof. Daniele De Luca, Paris-Sud University, “Antoine Beclere” Hospital, Paris, France, from 01 to 31 March 2014
- Research fellowship in ARDS, ECMO and weaning from Mechanical Ventilation in the Intensive Care Unit directed by prof. Haibo Qiu, ZhongDa Hospital, Southeast University, Nanjing, Rep. of China, from 21 June 2013 to 12 December 2013.
- Internship in Emergency Medicine at St. James' Hospital, Dublin, Ireland, from 10 August 2007 to September 7, 2007
- Internship at department of Anesthesia for Obesity Surgery at the Barlinsky Hospital, Lodz, Poland, August 2006
- Internship at the department of Anaesthesia and Intensive Care – University Hospital “Maggiore della Carità”, Novara, Italy, from July 2006 to October 2008.

### **Participation to scientific meeting as speaker or chairman**

- 75° National Congress SIAARTI (Italian Society of Anesthesia and Intensive Care) “ICARE”, 14<sup>th</sup>-16<sup>th</sup> October 2021, Rome, Italy.
- Webinar AIPO-ITS “COVID-19: “Helmet for non-invasive ventilation and CPAP”, online meeting, 31 March 2020.
- 74° National Congress SIAARTI (Italian Society of Anesthesia and Intensive Care) “ICARE”, online congress.
- 80° National Congress of the Italian Society of Cardiology, 12<sup>th</sup>-15<sup>th</sup> December 2019, Rome, Italy.

- 73° National Congress SIAARTI (Italian Society of Anesthesia and Intensive Care) “ICARE”, 15<sup>th</sup>-18<sup>th</sup> October 2019, Rome, Italy.
- Non-Invasive Ventilation Symposium, 30<sup>th</sup> March 2019, Gangnam Severance Hospital, Yonsei University, Seoul, South Korea.
- VIII SIMIT Calabria Congress, 12<sup>th</sup>-13<sup>th</sup> December 2018, Catanzaro, Italy.
- XXVI Simposio Meridionale di Anestesia e Rianimazione 2018, 20<sup>th</sup>-21<sup>th</sup> November 2018, Catanzaro, Italy.
- V Pneumo Magna Graecia, 8<sup>th</sup>-9<sup>th</sup> November 2018, Catanzaro, Italy.
- European Respiratory Society International Congress 2018, 15<sup>th</sup>-19<sup>th</sup> September 2018, Paris, France.
- European Respiratory Society International Congress 2017, 9<sup>th</sup>-13<sup>th</sup> September 2017, Milan, Italy.
- Korean Respiratory Failure Research Society, 14<sup>th</sup> June 2017, Seoul, South Korea.
- European Respiratory Society International Congress 2016, 3<sup>rd</sup>-7<sup>th</sup> September 2016, London, UK.
- Mechanical Ventilation Symposium 2016, 25<sup>th</sup>-28<sup>th</sup> February 2016, Bucharest, Romania.
- European Respiratory Society International Congress 2015, 26<sup>th</sup>-30<sup>th</sup> September 2015, Amsterdam, The Netherland.
- 9th Workshop on Mechanical Ventilation, Slovenian Society of Intensive Medicine, 25<sup>th</sup> September 2015, Ljubljana, Slovenia.
- Seminar in Intensive Care 2015, 4<sup>th</sup> February 2015, Bellinzona, Switzerland.

### **Fields of scientific interest**

Investigator in basic and clinical research projects running nationally and internationally related to invasive and non-invasive ventilation in adult and paediatric population, ARDS, weaning from mechanical ventilation, Neurally Adjusted Ventilatory Assist (NAVA), sepsis and hemodynamics.

### **Abstract to congresses:**

- ERS 2017 – Milan (Italy)
  1. High-flow oxygen therapy in hypercapnic patients recovering from an episode of acute-on-chronic respiratory failure - **Longhini F**, Pisani L, Lungu R, Comellini V, Bruni A, Garofalo E, Vega ML, Cammarota G, Nava S, Navalesi P.
  
- ERS 2016 – London (UK)
  1. High-frequency chest wall oscillation assessment by electrical impedance tomography in intubated patients - **F. Longhini**, M.A. Cattaneo, J.M. Marion, R. Lungu, E. Dellara, G. Gugliotta, A. Gusmano, C. Ronco, P. Navalesi
  2. Electric impedance tomography to predict weaning and extubation failure - F. Longhini, C. Andreoni, J. Maugeri, M.A. Cattaneo, J.M. Marion, C. Ronco, C. Cavicchi, S. Pintaudi, P. Navalesi
  
- ESICM 2015 – Berlin (Germany)
  1. The mini-sigh test: a new haemodynamic test for fluid responsiveness in ICU patients undergoing pressure support ventilation - A. Messina, D. Colombo, S. Romagnoli, E. Bonicolini, G. De Mattei, **F. Longhini**, A.R. De Gaudio, F. Della Corte, P. Navalesi
  
- ESPNIC 2014 – Barcelona (Spain)
  1. Preterm infants transportation between tertiary care centres (TCC) within first hours of life: retrospective cohort study – G. Jourdain, **F. Longhini**, P. Quentin, A. Boët, F. Julé, F. Ammar, J.L. Chabernaud, D. De Luca
  
- ISICEM 2014 – Bruxelles (Belgium)
  1. A new setting to improve noninvasive Neurally Adjusted Ventilatory Assist by helmet - **F. Longhini**, G. Cammarota, C. Olivieri, R. Perucca, R. Vaschetto, D. Colombo, A. Messina, F. Della Corte, P. Navalesi

2. New setting of neurally adjusted ventilatory assisted during mask noninvasive ventilation - **F. Longhini**, C. Pan, G. Cammarota, R. Vaschetto, J. Xie, L. Liu, Y. Yang, F. Della Corte, P. Navalesi, H. Qiu
3. Different effects of Propofol and Dexmedetomidine on preload dependency in endotoxemic shock with norepinephrine infusion: a randomized case control study - T. Yu, C. Pan, S. Liu, F. Guo, **F. Longhini**, Y. Yang, H. Qiu
4. Diaphragm microcirculatory dysfunction and lipid accumulation in endotoxemic rabbits during mechanical ventilation - Y. Yang, T. Yu, C. Pan, **F. Longhini**, L. Liu, Y. Huang, F. Guo, H. Qiu

- SIN 2013 – Florence (Italy)

1. Patient-Ventilator interaction: evaluation of the asynchrony during conventional mechanical ventilation and Neurally Adjusted Ventilatory Assisted in newborns. - S. Scarlino, **F. Longhini**, M. Binotti, R. Cassone, R. Gilodi, M.R. Gallina, F. Ferrero

- ESICM 2013 – Paris (France)

1. Physiological comparison between a new helmet and the conventional helmet in delivering non-invasive ventilation - **F. Longhini**, C. Olivieri, V. Repetto, M. Candriella, A. Miziara Pagni, G. Cammarota, F. Della Corte, P. Navalesi
2. A new setting to improve non invasive Neurally Adjusted Ventilatory Assisted by helmet - G. Cammarota, **F. Longhini**, C. Olivieri, L. Sasu, R. Vaschetto, D. Colombo, A. Messina, V. Repetto, F. Della Corte, P. Navalesi
3. Sampling and analysis of alveolar exhaled breath condensate in mechanically ventilated patients: a feasibility study. - R. Vaschetto, M. Goldoni, L. Cancelliere, S. Pulvirenti, U. Fazzini, R. Costagliola, F. Capuzzi, **F. Longhini**, G. Cammarota, F. Della Corte, A. Mutti, M. Corradi, P. Navalesi.

- ESICM 2009 – Wien (Austria)
  1. Non-invasive Ventilation (NIV) by Helmet for treatment of Hypoxemic Acute Respiratory Failure (ARF): Pressure Support (PS) vs. Neurally Adjusted Ventilatory Assisted (NAVA) - G. Cammarota, R. Costa, C. Blando, **F. Longhini**, D. Colombo, R. Vaschetto, G. Spinazzola, F. Della Corte, G. Conti, P. Navalesi
  2. Effects of propofol infusion on patient-ventilator interaction during pressure support and neurally adjusted ventilatory assist in intubated patients with acute respiratory failure of varied etiology - G. Cammarota, **F. Longhini**, D. Colombo, R. Vaschetto, A. Giovanniello, F. Della Corte, P. Navalesi

#### **Publications:**

1. Maggiore SM, Jaber S, Grieco DL, Mancebo J, Zakynthinos S, Demoule A, Ricard JD, Navalesi P, Vaschetto R, Hraiech S, Klouche K, Frat JP, Lemiale V, Fanelli V, Chanques G, Natalini D, Ischaki E, Reuter D, Morán I, La Combe B, **Longhini F**, De Gaetano A, Ranieri VM, Brochard LJ, Antonelli M; RINO trial study group. High-Flow Versus VenturiMask Oxygen Therapy to Prevent Re-Intubation in Hypoxemic Patients After Extubation: A Multicenter, Randomized Clinical Trial. *Am J Respir Crit Care Med.* 2022 Jul 18.
2. Serapide F, Quirino A, Scaglione V, Morrone HL, **Longhini F**, Bruni A, Garofalo E, Matera G, Marascio N, Scarlata GGM, Cicino C, Russo A, Treccarichi EM, Torti C. Is the Pendulum of Antimicrobial Drug Resistance Swinging Back after COVID-19? *Microorganisms.* 2022 May 2;10(5):957.
3. Pelaia C, Pelaia G, Crimi C, Maglio A, Stanziola AA, Calabrese C, Terracciano R, **Longhini F**, Vatrella A. Novel Biological Therapies for Severe Asthma Endotypes. *Biomedicines.* 2022 May 4;10(5):1064.
4. Rovida S, Bruni A, Pelaia C, Bosco V, Saraco G, Galluzzo E, Froio A, Auletta G, Garofalo E, **Longhini F**. Nurse led protocols for control of glycaemia in critically ill patients: A systematic review. *Intensive Crit Care Nurs.* 2022 Apr 15:103247.
5. Bruni A, Garofalo E, Procopio D, Corrado S, Caroleo A, Biamonte E, Pelaia C, **Longhini F**. Current Practice of High Flow through Nasal Cannula in Exacerbated COPD Patients. *Healthcare (Basel).* 2022 Mar 15;10(3):536.

6. De Marco C, Marascio N, Veneziano C, Biamonte F, Treçarichi EM, Santamaria G, Leviyang S, Liberto MC, Mazzitelli M, Quirino A, **Longhini F**, Torella D, Quattrone A, Matera G, Torti C, Costanzo FS, Viglietto G. Whole-genome analysis of SARS-CoV-2 in a 2020 infection cluster in a nursing home of Southern Italy. *Infect Genet Evol.* 2022 Apr;99:105253.
7. Quirino A, Scaglione V, Marascio N, Mazzitelli M, Garofalo E, Divenuto F, Serapide F, Bruni A, Lionello R, Pavia G, Costa C, Giancotti A, Peronace C, **Longhini F**, Russo A, Liberto MC, Matera G, Torti C, Treçarichi EM. Role of the T2Dx magnetic resonance assay in patients with suspected bloodstream infection: a single-centre real-world experience. *BMC Infect Dis.* 2022 Feb 1;22(1):113.
8. Scaglione V, Reale M, Davoli C, Mazzitelli M, Serapide F, Lionello R, La Gamba V, Fusco P, Bruni A, Procopio D, Garofalo E, **Longhini F**, Marascio N, Peronace C, Giancotti A, Gallo L, Matera G, Liberto MC, Cesana BM, Costa C, Treçarichi EM, Quirino A, Torti C. Prevalence of Antibiotic Resistance Over Time in a Third-Level University Hospital. *Microb Drug Resist.* 2021 Dec 15. doi: 10.1089/mdr.2021.0109. Online ahead of print.
9. Gallelli L, Mannino GC, Luciani F, de Sire A, Mancuso E, Gangemi P, Cosco L, Monea G, Averta C, Minchella P, Colosimo M, Muraca L, **Longhini F**, Ammendolia A, Andreozzi F, De Sarro G, G Amp P Working Group, Cione E. Vitamin D Serum Levels in Subjects Tested for SARS-CoV-2: What Are the Differences among Acute, Healed, and Negative COVID-19 Patients? A Multicenter Real-Practice Study. *Nutrients.* 2021 Nov 3;13(11):3932. doi: 10.3390/nu13113932.
10. Oczkowski S, Ergan B, Bos L, Chatwin M, Ferrer M, Gregoretti C, Heunks L, Frat JP, **Longhini F**, Nava S, Navalesi P, Uğurlu AO, Pisani L, Renda T, Thille AW, Winck JC, Windisch W, Tonia T, Boyd J, Sotgiu G, Scala R. ERS Clinical Practice Guidelines: High-flow nasal cannula in acute respiratory failure. *Eur Respir J.* 2021 Oct 28;2101574. doi: 10.1183/13993003.01574-2021. Online ahead of print.
11. Bruni A, Garofalo E, Mazzitelli M, Voci CP, Puglisi A, Quirino A, Marascio N, Treçarichi EM, Matera G, Torti C, **Longhini F**; UMG COVID-19 Group. Multidisciplinary approach to a septic COVID-19 patient undergoing venovenous extracorporeal membrane oxygenation and receiving thoracic surgery. *Clin Case Rep.* 2021 Oct 4;9(10):e04828.

12. *Sanfilippo F, Tigano S, La Rosa V, Morgana A, Murabito P, Oliveri F, Longhini F, Astuto M.* Tracheal intubation while wearing personal protective equipment in simulation studies: a systematic review and meta-analysis with trial-sequential analysis. *Braz J Anesthesiol.* 2021 Oct 5:S0104-0014(21)00356-0.
13. *Pelaia C, Pelaia G, Longhini F, Crimi C, Calabrese C, Gallelli L, Sciacqua A, Vatrella A.* Monoclonal Antibodies Targeting Alarmins: A New Perspective for Biological Therapies of Severe Asthma. *Biomedicines.* 2021 Aug 29;9(9):1108.
14. *Pelaia C, Bruni A, Garofalo E, Rovida S, Arrighi E, Cammarota G, Navalesi P, Pelaia G, Longhini F.* Oxygenation strategies during flexible bronchoscopy: a review of the literature. *Respir Res.* 2021 Sep 25;22(1):253.
15. *Zanella A, Florio G, Antonelli M, Bellani G, Berselli A, Bove T, Cabrini L, Carlesso E, Castelli GP, Cecconi M, Citerio G, Coloretti I, Corti D, Dalla Corte F, De Robertis E, Foti G, Fumagalli R, Girardis M, Giudici R, Guiotto L, Langer T, Mirabella L, Pasero D, Protti A, Ranieri MV, Rona R, Scudeller L, Severgnini P, Spadaro S, Stocchetti N, Viganò M, Pesenti A, Grasselli G; COVID-19 Italian ICU Network.* Time course of risk factors associated with mortality of 1260 critically ill patients with COVID-19 admitted to 24 Italian intensive care units. *Intensive Care Med.* 2021 Aug 9;1-14. doi: 10.1007/s00134-021-06495-y. Online ahead of print.
16. **Longhini F**, *Pasin L, Montagnini C, Konrad P, Bruni A, Garofalo E, Murabito P, Pelaia C, Rondi V, Dellapiazza F, Cammarota G, Vaschetto R, Schultz MJ, Navalesi P.* Intraoperative protective ventilation in patients undergoing major neurosurgical interventions: a randomized clinical trial. *BMC Anesthesiol.* 2021 Jun 30;21(1):184.
17. *Cammarota G, Vaschetto R, Azzolina D, De Vita N, Olivieri C, Ronco C, Longhini F, Bruni A, Colombo D, Pissaia C, Prato F, Maestrone C, Maestrone M, Vetrugno L, Bove T, Lemut F, Taretto E, Locatelli A, Barzaghi N, Cerrano M, Ravera E, Zanza C, Selva AD, Blangetti I, Salvo F, Racca F, Longhitano Y, Boscolo A, Sguazzotti I, Bonato V, Grossi F, Crimaldi F, Perucca R, Boniolo E, Verdina F, Vignazia GL, Santangelo E, Tarquini R, Zanoni M, Messina A, Marin M, Bacigalupo P, Sileci G, Sella N, De Robertis E, Corte FD, Navalesi P.* Early extubation with immediate non-invasive ventilation versus standard weaning in intubated patients for coronavirus



- disease 2019: a retrospective multicenter study. *Sci Rep.* 2021 Jun 28;11(1):13418.
18. *Vetrugno L, Boero E, Bignami E, Cortegiani A, Raineri SM, Spadaro S, Moro F, D'Inca S, D'Orlando L, Agrò FE, Bernardinetti M, Forfori F, Corradi F, Pregnotato S, Mosconi M, Bellini V, Franchi F, Mongelli P, Leonardi S, Giuffrida C, Tescione M, Bruni A, Garofalo E, Longhini F, Cammarota G, De Robertis E, Giglio G, Urso F, Bove T; LUSHIP Study Investigators.* Association between preoperative evaluation with lung ultrasound and outcome in frail elderly patients undergoing orthopedic surgery for hip fractures: study protocol for an Italian multicenter observational prospective study (LUSHIP). *Ultrasound J.* 2021 Jun 7;13(1):30.
  19. *Vaschetto R, Pecere A, Perkins GD, Mistry D, Cammarota G, Longhini F, Ferrer M, Pletsch-Assunção R, Carron M, Moretto F, Qiu H, Della Corte F, Barone-Adesi F, Navalesi P.* Effects of early extubation followed by noninvasive ventilation versus standard extubation on the duration of invasive mechanical ventilation in hypoxemic non-hypercapnic patients: a systematic review and individual patient data meta-analysis of randomized controlled trials. *Crit Care.* 2021 Jun 1;25(1):189.
  20. *Bruni A, Garofalo E, Longhini F.* Avoiding complications during prone position ventilation. *Intensive Crit Care Nurs.* 2021 Oct;66:103064.
  21. *Cione E, Siniscalchi A, Gangemi P, Cosco L, Colosimo M, Longhini F, Luciani F, De Sarro G; G&SP Working Group, Berrino L, D'Agostino B, Gallelli L.* Neuron-specific enolase serum levels in COVID-19 are related to the severity of lung injury. *PLoS One.* 2021 May 19;16(5):e0251819.
  22. *Tescione M, Vadalà E, Marano G, Battaglia E, Bruni A, Garofalo E, Longhini F, Roviada S, Polimeni N, Squillaci R, Lascala S, Franco G, Labate D, Caracciolo M, Macheda S.* Platelet aggregometry for hip fracture surgery in patients treated with clopidogrel: a pilot study. *J Clin Monit Comput.* 2021 May 6.
  23. *Garofalo E, Bruni A, Scalzi G, Curto LS, Roviada S, Brescia V, Gervasi R, Navalesi P, Innaro N, Longhini F.* Low-Dose of Rocuronium During Thyroid Surgery: Effects on Intraoperative Nerve-Monitoring and Intubation. *J Surg Res.* 2021 Sep;265:131-138.
  24. *Longhini F, Pelaia C, Garofalo E, Bruni A, Placida R, Iaquinta C, Arrighi E, Perri G, Procopio G, Cancelliere A, Roviada S, Marrazzo G, Pelaia G, Navalesi P.* High-flow nasal cannula oxygen therapy for outpatients undergoing flexible

- bronchoscopy: a randomised controlled trial. *Thorax*. 2021 Apr 29;thoraxjnl-2021-217116.
25. *Cammarota G, Boniolo E, Santangelo E, De Vita N, Verdina F, Crudo S, Sguazzotti I, Perucca R, Messina A, Zanoni M, Azzolina D, Navalesi P, Longhini F, Vetrugno L, Bignami E, Della Corte F, Tarquini R, De Robertis E, Vaschetto R*. Diaphragmatic Kinetics Assessment by Tissue Doppler Imaging and Extubation Outcome. *Respir Care*. 2021 Jun;66(6):983-993.
  26. *Langer T, Brioni M, Guzzardella A, Carlesso E, Cabrini L, Castelli G, Dalla Corte F, De Robertis E, Favarato M, Forastieri A, Forlini C, Girardis M, Grieco DL, Mirabella L, Nosedà V, Previtali P, Protti A, Rona R, Tardini F, Tonetti T, Zannoni F, Antonelli M, Foti G, Ranieri M, Pesenti A, Fumagalli R, Grasselli G; PRONA-COVID Group*. Prone position in intubated, mechanically ventilated patients with COVID-19: a multi-centric study of more than 1000 patients. *Crit Care*. 2021 Apr 6;25(1):128.
  27. *Tescione M, Vadalà E, Marano G, Bruni A, Garofalo E, Lavalle O, Longhini F, Battaglia E, Polimeni N, Labate D, Caracciolo S, Giordano F, Caracciolo M, Macheda S*. Aggregometry and thromboelastography to identify the timing to trach a COVID-19 patient receiving both antiplatelet therapy and enoxaparin. *Clin Case Rep*. 2021 Jan 9;9(3):1049-1054.
  28. *Russotto V, Myatra SN, Laffey JG, Tassistro E, Antolini L, Bauer P, Lascarrou JB, Szuldrzynski K, Camporota L, Pelosi P, Sorbello M, Higgs A, Greif R, Putensen C, Agvald-Öhman C, Chalkias A, Bokums K, Brewster D, Rossi E, Fumagalli R, Pesenti A, Foti G, Bellani G; INTUBE Study Investigators*. Intubation Practices and Adverse Peri-intubation Events in Critically Ill Patients From 29 Countries. *JAMA*. 2021 Mar 23;325(12):1164-1172.
  29. *Pelaia C, Pelaia G, Crimi C, Longhini F, Lombardo N, Savino R, Sciacqua A, Vatrella A*. Biologics in severe asthma. *Minerva Med*. 2021 Feb 8. doi: 10.23736/S0026-4806.21.07296-7. Online ahead of print.
  30. *Botta C, Indrieri A, Garofalo E, Biamonte F, Bruni A, Pasqua P, Cesario F, Costanzo FS, Longhini F, Mendicino F*. COVID-19: High-JAKing of the Inflammatory "Flight" by Ruxolitinib to Avoid the Cytokine Storm. *Front Oncol*. 2021 Jan 8;10:599502. doi: 10.3389/fonc.2020.599502. eCollection 2020.
  31. *Aquila I, Ricci P, Bonetta CF, Sacco MA, Longhini F, Torti C, Mazzitelli M, Garofalo E, Bruni A, Treçarichi EM, Serapide F, Gratteri S, Quirino A, Barreca GS, Abenavoli L, Arena V, Oliva A, Giancotti A, Iavicoli I, Liberto MC, Matera G*. Analysis of the persistence time of the SARS-CoV-2 virus in the cadaver

and the risk of passing infection to autopsy staff. *Med Leg J.* 2021 Jan 21;25817220980601. doi: 10.1177/0025817220980601. Online ahead of print.

32. *Pelle MC, Tassone B, Ricchio M, Mazzitelli M, Davoli C, Procopio G, Cancelliere A, La Gamba V, Lio E, Matera G, Quirino A, Barreca GS, Treçarichi EM, Torti C; IDTM UMG COVID-19 Group.* - Late-onset myocardial infarction and autoimmune haemolytic anaemia in a COVID-19 patient without respiratory symptoms, concomitant with a paradoxical increase in inflammatory markers: a case report. *J Med Case Rep.* 2020 Dec 18;14(1):246. doi: 10.1186/s13256-020-02595-3.
33. *Promenzio L, Arcangeli F, Cortis E, Sama E, Longhini F.* Erythema Pernio-like in four Adolescents in the era of the Coronavirus-2 Infection. *Rev Recent Clin Trials.* 2020 Oct 16. doi: 10.2174/1574887115666201016153031. Online ahead of print.
34. *Cortegiani A, Longhini F, Madotto F, Groff P, Scala R, Crimi C, Carlucci A, Bruni A, Garofalo E, Raineri SM, Tonelli R, Comellini V, Lupia E, Vetrugno L, Cline E, Giarratano A, Nava S, Navalesi P, Gregoretti C; H. F.-AECOPD study investigators.* High flow nasal therapy versus noninvasive ventilation as initial ventilatory strategy in COPD exacerbation: a multicenter non-inferiority randomized trial. *Crit Care.* 2020 Dec 14;24(1):692. doi: 10.1186/s13054-020-03409-0.
35. *Longhini F, Bruni A, Garofalo E, Ronco C, Gusmano A, Cammarota G, Pasin L, Frigerio P, Chiumello D, Navalesi P.* Chest physiotherapy improves lung aeration in hypersecretive critically ill patients: a pilot randomized physiological study. *Crit Care.* 2020 Aug 3;24(1):479.
36. *Bruni A, Garofalo E, Pasin L, Serraino GF, Cammarota G, Longhini F, Landoni G, Lembo R, Mastroberoberto P, Navalesi P; MaGIC (Magna Graecia Intensive care and Cardiac surgery) Group.* Diaphragmatic Dysfunction After Elective Cardiac Surgery: A Prospective Observational Study. *J Cardiothorac Vasc Anesth.* 2020 Jun 17:S1053-0770(20)30579-6.
37. *Bruni A, Garofalo E, Grande L, Auletta G, Cubello D, Greco M, Lombardo N, Garieri P, Papaleo A, Doldo P, Spagnuolo R, Longhini F.* Nursing issues in enteral nutrition during prone position in critically ill patients: A systematic review of the literature. *Intensive Crit Care Nurs.* 2020 Oct;60:102899.
38. *Bruni A, Garofalo E, Zuccalà V, Currò G, Torti C, Navarra G, De Sarro G, Navalesi P, Longhini F, Ammendola M.* Histopathological findings in a

- COVID-19 patient affected by ischemic gangrenous cholecystitis. *World J Emerg Surg.* 2020 Jul 2;15(1):43.
39. Yu T, Wu RR, **Longhini F**, Wang B, Wang MF, Yang FF, Hua FZ, Yao WD, Jin XJ. The "BURP" maneuver improves the glottic view during laryngoscopy but remains a difficult procedure. *J Int Med Res.* 2020 May;48(5):300060520925325.
40. **Longhini F**, Bruni A, Garofalo E, Navalesi P, Grasselli G, Cosentini R, Foti G, Mattei A, Ippolito M, Accurso G, Vitale F, Cortegiani A, Gregoretti C. Helmet continuous positive airway pressure and prone positioning: A proposal for an early management of COVID-19 patients. *Pulmonology.* 2020 Jul-Aug;26(4):186-191.
41. Vetrugno L, Guadagnin GM, Brussa A, Orso D, Garofalo E, Bruni A, **Longhini F**, Bove T. Mechanical ventilation weaning issues can be counted on the fingers of just one hand: part 1. *Ultrasound J.* 2020 Mar 13;12(1):9.
42. **Longhini F**, Bruni A, Garofalo E, De Sarro R, Memeo R, Navalesi P, Navarra G, Ranieri G, Currò G, Ammendola M. Anesthetic Strategies in Oncological Surgery: Not Only a Simple Sleep, but Also Impact on Immunosuppression and Cancer Recurrence. *Cancer Manag Res.* 2020 Feb 10;12:931-940.
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**Patent:**

1. Contribution to the development of a device for mechanical ventilation  
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