

CURRICULUM VITAE

Stefano Busani, MD, Associate Professor

****Place of Birth****: Reggio Emilia

****Date of Birth****: May 7, 1970

****Address****: Azienda Ospedaliero-Universitaria Policlinico di Modena – Terapia Intensiva Polivalente - Dipartimento Chirurgico, Medico, Odontoiatrico e di Scienze Morfologiche con interesse Trapiantologico, Oncologico e di Medicina Rigenerativa. Università degli Studi di Modena e Reggio Emilia. Via del Pozzo, 71 – 41124 MODENA.

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CURRENT PROFESSIONAL POSITION AND COMPETENCIES

****Associate Professor****: 06/MEDS-23 – ANESTESIOLOGIA, full-time position at the Surgical, Medical, Dental and Morphological Sciences Department with a focus on Transplantation, Oncology, and Regenerative Medicine, appointed by Rectoral Decree no. 1169 of 10/18/2021, protocol no. 256204, University of Modena and Reggio Emilia, Via Del Pozzo, 71 – 41124 MODENA.

****From 07/01/2014 to present****: Head of the simple professional assignment "In-hospital Emergency-Urgency."

****Reference for the Intensive Care Unit for the following clinical areas****: Coma and altered neurological states; shock states and hemodynamic alterations with specific responsibility for the clinical-organizational management of hemodynamic monitoring; respiratory failure with particular attention to acute respiratory distress syndrome with systematic review of medical and nursing protocols; critical hemorrhage with systematic review of treatment protocols; perioperative management of liver transplantation.

QUALIFICATIONS

****High School Diploma****: Liceo Scientifico “A. Moro” in Reggio Emilia, July 21, 1989.

****Medical Degree****: Graduated with honors in Medicine and Surgery from the University of Modena and Reggio Emilia, July 25, 1997.

****Medical License****: State Examination for the practice of Medicine in the second annual session, November 1998.

****Medical Registration****: Registered with the Order of Physicians-Surgeons of the Province of Reggio Emilia since June 9, 1999. Registration number 2911.

****General Medical Council****: Registered in the United Kingdom since November 8, 2001.

****Training in Anesthesia and Intensive Care****: Achieved on October 28, 2002, with 100/100 with honors.

****National Scientific Qualification****: Qualified for the role of Associate Professor for the Competitive Sector 06/L1 Anesthesiology on March 28, 2017.

****Elected Chair****: E-Learning Sub-Committee of the Academy of the European Society of Intensive Care Medicine (ESICM) for the period 2022-2025.

ARTICLE ON SCIENTIFIC JOURNALS

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- Martelloni G, Turchi A, Fallerini C, Degl'Innocenti A, Baldassarri M, Olmi S, Furini S, Renieri A; GEN-COVID Multicenter study. Host genetics and COVID-19 severity: increasing the accuracy of latest severity scores by Boolean quantum features. *Front Genet*. 2024 May 22;15:1362469.
- Tosi M, Coloretti I, Meschiari M, De Biasi S, Girardis M, **Busani S**. The Interplay between Antibiotics and the Host Immune Response in Sepsis: From Basic Mechanisms to Clinical Considerations: A Comprehensive Narrative Review. *Antibiotics (Basel)*. 2024 Apr 28;13(5):406.
- Girardis M, Coloretti I, Antonelli M, Berlot G, **Busani S**, Cortegiani A, De Pascale G, De Rosa FG, De Rosa S, Donadello K, Donati A, Forfori F, Giannella M, Grasselli G, Montrucchio G, Oliva A, Pasero D, Piazza O, Romagnoli S, Tascini C, Viaggi B, Tumbarello M, Viale P. Adjunctive immunotherapeutic agents in patients with sepsis and septic shock: a multidisciplinary consensus of 23. *J Anesth Analg Crit Care*. 2024 Apr 30;4(1):28.
- Santacroce E, D'Angerio M, Ciobanu AL, Masini L, Lo Tartaro D, Coloretti I, **Busani S**, Rubio I, Meschiari M, Franceschini E, Mussini C, Girardis M, Gibellini L, Cossarizza A, De Biasi S. Advances and Challenges in Sepsis Management: Modern Tools and Future Directions. *Cells*. 2024 Mar 2;13(5):439.
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- Munari E, Minicucci MF, Ming Z, Girardis M, **Busani S**. Editorial: Outcome of sepsis and prediction of mortality risk. *Front Med (Lausanne)*. 2023 Dec 19;10:1338938.

- Caciagli V, Coloretti I, Talamonti M, Farinelli C, Gatto I, Biagioni E, Sarti M, Franceschini E, Meschiari M, Mussini C, Tonelli R, Clini E, Girardis M, **Busani S**, Modena Covid-Working Group. Association between Pulmonary Aspergillosis and Cytomegalovirus Reactivation in Critically Ill COVID-19 Patients: A Prospective Observational Cohort Study. *Viruses*. 2023 Nov 15;15(11):2260.
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- Coloretti I, Farinelli C, Biagioni E, Gatto I, Munari E, Dall'Ara L, **Busani S**, Meschiari M, Tonelli R, Mussini C, Guaraldi G, Cossarizza A, Clini E, Girardis M; MO-COVID19 Working Group. Critical COVID-19 patients through first, second, and third wave: retrospective observational study comparing outcomes in intensive care unit. *J Thorac Dis*. 2023 Jun 30;15(6):3218-3227.
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- COVID-19 Host Genetics Initiative. A first update on mapping the human genetic architecture of COVID-19. *Nature*. 2022 Aug;608(7921):E1-E10.
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 - **Busani S**, Coloretti I, Baciarello M, Bellini V, Sarti M, Biagioni E, Tonelli R, Marchioni A, Clini E, Guaraldi G, Mussini C, Meschiari M, Tonetti T, Pisani L, Nava S, Bignami E, Ranieri MV, Girardis M. Association between respiratory distress time and invasive mechanical ventilation in COVID-19 patients: A multicentre regional cohort study. *Pulmonology*. 2022 Mar 28:S2531-0437(22)00075-7.
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 - **Busani S**, Munari E, Taccone FS, Donati A, Girardis M. Editorial: Putting the Spotlight on the Role of Oxygen in Critically-Ill Patients: From Basic Mechanisms to Clinical Effects. *Front Med (Lausanne)*. 2022 Feb 25;9:859632.
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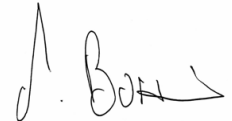
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I have participated as an invited speaker at courses, congresses, and symposia, both national and international, among the most important in Italy and Europe in the fields of anesthesiology and intensive care.

Modena, 08/08/2025

A handwritten signature in black ink, appearing to read 'A. Busani'.