

PERSONAL INFORMATION

Family name: Bellani **First name:** Giacomo

Researcher unique identifier(s): <http://orcid.org/0000-0002-3089-205X>

Date of birth: April 28th, 1977, Italy **Nationality:** Italian

EDUCATION

- 2010** **PhD degree** Biomedical Technologies/Faculty of Medicine/University of Milan Bicocca, Monza Italy PhD Supervisor: Prof. Cristina Messa
- 2005** **Specialization in Anesthesia and Critical care** Faculty of Medicine/University of Milan Bicocca, Monza Italy
- 2001** **Medical degree,** Faculty of Medicine/University of Milan Bicocca, Monza Italy

CURRENT POSITION(S)

- 2015 –** **Associate Professor,** Department of Medicine and Surgery, University of Milan Bicocca, Monza Italy
- 2008 –** **Staff Physician,** Department of Emergency Medicine, San Gerardo Hospital , Monza Italy

PREVIOUS POSITIONS

- 2008 – 2015** Assistant Professor
School of Medicine and Surgery, University of Milan Bicocca, Monza Italy

FELLOWSHIPS

- 2005 – 2008** **Research fellow,** University of Milan Bicocca, Monza Italy
- 2003 – 2004** **Research fellow** Harvard Medical School, Hospital, Boston, MA, USA
- 2001 – 2005** **Resident in Anesthesia and Critical care** University of Milan Bicocca, Monza Italy

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2006 -** **Supervisor of 18 students** for the MD thesis, School of Medicine and Surgery, University of Milan Bicocca, Monza Italy
- 2006 -** **Supervisor of 12 MDs** for the postgraduate thesis of specialization in Anesthesia and Critical Care School of Medicine and Surgery, University of Milan Bicocca, Monza Italy
- 2013-2015** **Supervisor of two postdoctoral** fellows (Dr. Federico Pozzi, Dr Vanessa Zambelli), School of Medicine and Surgery, University of Milan Bicocca, Monza Italy

INSTITUTIONAL RESPONSIBILITIES

- 2013-** Member of the Executive Committee of the LUNG SAFE study, endorsed by ESICM
- 2015-** Chairman of the Acute Respiratory Failure section of ESICM (1010 voting members)

COMMISSIONS OF TRUST

- 2007 –** Reviewer for the following Journals: American Journal of Critical care Medicine, Anesthesiology, Annals of Intensive Care Medicine, Critical Care Medicine, Critical care Medicine, Minerva Anesthesiologica, Respiratory Care
- 2008 –2010** Medical Advisory Board, GE Healthcare, USA
- 2014** Opponent to PhD thesis, Uppsala University, Uppsala, Sweden
- 2016-** Co-founder of ReviewerCredits.com

GRANTED PATENTS

WO 2013140229 Apparatus for assisted ventilation and corresponding regulation method (co-inventor). The patent was subsequently transferred from University of Milan-Bicocca to Draegerwerk AG (Germany). ([https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2013140229&recNum=225&docAn=IB2013000432&queryString=\(IC/a61m\)%20&maxRec=35738](https://patentscope.wipo.int/search/en/detail.jsf?docId=WO2013140229&recNum=225&docAn=IB2013000432&queryString=(IC/a61m)%20&maxRec=35738)). The financial amount of the transaction is confidential.

AWARDS AND GRANTS

2006: Young Investigator Award, European Society of Intensive Care Medicine, for a research project entitled: “Imaging of Lung Inflammation during ALI/ARDS” (Value €20.000, <http://www.esicm.org/upload/Award%20winners-ESICM%20Young%20Investigator%20Award%202011.pdf>)

2015: Innovation Grant, University of Milan-Bicocca (Value €20.000, <https://www.unimib.it/open/news/I-vincitori-di-Innovation-Grant/7041101184440575489>)

PUBLICATIONS

Total 87 peer-reviewed publications, total citations 1857, h-index 24. (source SCOPUS 15/03/2017)

Original articles

1. Mauri T, Zambelli V, Cappuzzello C, Bellani G, Dander E, Sironi M, Castiglioni V, Doni A, Mantovani A, Biondi A, Garlanda C, D'amico G, Pesenti A. Intraperitoneal adoptive transfer of mesenchymal stem cells enhances recovery from acid aspiration acute lung injury in mice. *Intensive Care Med Exp*. 2017 Dec;5(1):13.
2. Mauri T, Turrini C, Eronia N, Grasselli G, Volta CA, Bellani G, Pesenti A. Physiologic Effects of High-flow Nasal Cannula in Acute Hypoxemic Respiratory Failure. *Am J Respir Crit Care Med*. 2016 Dec 20.
3. Laffey JG, Pham T, Bellani G. Continued under-recognition of acute respiratory distress syndrome after the Berlin definition: what is the solution? *Curr Opin Crit Care*. 2017 Feb;23(1):10-17.
4. Mauri T, Lazzeri M, Bronco A, Bellani G, Pesenti A. Effects of Variable Pressure Support Ventilation on Regional Homogeneity and Aeration. *Am J Respir Crit Care Med*. 2017 Mar 1;195(5):e27-e28
5. Bellani G, Rouby JJ, Constantin JM, Pesenti A. Looking closer at acute respiratory distress syndrome: the role of advanced imaging techniques. *Curr Opin Crit Care*. 2017 Feb;23(1):30-37.
6. Pozzi M, Bellani G, Bronco A, Citerio G. Bedside multimodal imaging of hemidiaphragm palsy after spinal cord injury. *Intensive Care Med*. 2016
7. Laffey JG, Bellani G, Pham T, Fan E, Madotto F, Bajwa EK, Brochard L, Clarkson K, Esteban A, Gattinoni L, van Haren F, Heunks LM, Kurahashi K, Laake JH, Larsson A, McAuley DF, McNamee L, Nin N, Qiu H, Ranieri M, Rubenfeld GD, Thompson BT, Wrigge H, Slutsky AS, Pesenti A; LUNG SAFE Investigators and the ESICM Trials Group.. Potentially modifiable factors contributing to outcome from acute respiratory distress syndrome: the LUNG SAFE study. *Intensive Care Med*. 2016 Dec;42(12):1865-1876.
8. Bellani G, Laffey JG, Pham T, Madotto F, Fan E, Brochard L, Esteban A, Gattinoni L, Bumbasirevic V, Piquilloud L, van Haren F, Larsson A, McAuley DF, Bauer PR, Arabi YM, Ranieri M, Antonelli M, Rubenfeld GD, Thompson BT, Wrigge H, Slutsky AS, Pesenti A; LUNG SAFE Investigators.; ESICM Trials Group.. Noninvasive Ventilation of Patients with Acute Respiratory Distress Syndrome. Insights from the LUNG SAFE Study. *Am J Respir Crit Care Med*. 2017 Jan 1;195(1):67-77.
9. Silvestri A, Zambelli V, Ferretti AM, Salerno D, Bellani G, Polito L. Design of functionalized gold nanoparticle probes for computed tomography imaging. *Contrast Media Mol Imaging*. 2016 Sep;11(5):405-414. doi: 10.1002/cmmi.1704.
10. Mistraretti G, Umbrello M, Anania S, Andrichi E, Di Carlo A, Martinetti F, Barello S, Sabbatini G, Formenti P, Maraffi T, Marrazzo F, Palo A, Bellani G, Russo R, Francesconi S, Valdambri F, Cigada M, Riccardi F, Moja EA, Iapichino G; SedaICU investigators. Neurological assessment with validated tools in general ICU: multicenter, randomized, before and after, pragmatic study to evaluate the effectiveness of an e-learning platform for continuous medical education. *Minerva Anestesiol*. 2016 Sep 20. [Epub ahead of print].
11. Mauri T, Eronia N, Turrini C, Battistini M, Grasselli G, Rona R, Volta CA, Bellani G, Pesenti A. Bedside assessment of the effects of positive end-expiratory pressure on lung inflation and recruitment by the helium dilution technique and electrical impedance tomography. *Intensive Care Med*. 2016 Oct;42(10):1576-87.
12. Sigurta' A, Zambelli V, Bellani G. Renin-angiotensin system in ventilator-induced diaphragmatic dysfunction: Potential protective role of Angiotensin (1-7). *Med Hypotheses*. 2016 Sep;94:132-7
13. Mauri T, Yoshida T, Bellani G, Goligher EC, Carteaux G, Rittayamai N, Mojoli F, Chiumello D, Piquilloud L, Grasso S, Jubran A, Laghi F, Magder S, Pesenti A, Loring S, Gattinoni L, Talmor D, Blanch L, Amato M, Chen

- L, Brochard L, Mancebo J; PLeUral pressure working Group (PLUG—Acute Respiratory Failure section of the European Society of Intensive Care Medicine). Esophageal and transpulmonary pressure in the clinical setting: meaning, usefulness and perspectives. *Intensive Care Med.* 2016 Jun 22. [Epub ahead of print] Review.
14. Bellani G, Grasselli G, Teggie-Droghi M, Mauri T, Coppadoro A, Brochard L, Pesenti A. Do spontaneous and mechanical breathing have similar effects on average transpulmonary and alveolar pressure? A clinical crossover study. *Crit Care.* 2016 Apr 28;20(1):142. doi: 10.1186/s13054-016-1290-9. PubMed PMID: 27160458; PubMed Central PMCID: PMC4862136.
 15. Mauri T, Grasselli G, Suriano G, Eronia N, Spadaro S, Turrini C, Patroniti N, Bellani G, Pesenti A. Control of Respiratory Drive and Effort in Extracorporeal Membrane Oxygenation Patients Recovering from Severe Acute Respiratory Distress Syndrome. *Anesthesiology.* 2016 Jul;125(1):159-67.
 16. Bellani G, Laffey JG, Pham T, Fan E, Brochard L, Esteban A, Gattinoni L, van Haren F, Larsson A, McAuley DF, Ranieri M, Rubenfeld G, Thompson BT, Wrigge H, Slutsky AS, Pesenti A; LUNG SAFE Investigators; ESICM Trials Group. Epidemiology, Patterns of Care, and Mortality for Patients With Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries. *JAMA.* 2016 Feb 23;315(8):788-800.
 17. Bellani G, Coppadoro A, Pozzi M, Bronco A, Albiero D, Eronia N, Meroni V, Grasselli G, Pesenti A. The Ratio of Inspiratory Pressure Over Electrical Activity of the Diaphragm Remains Stable During ICU Stay and Is Not Related to Clinical Outcome. *Respir Care.* 2016 Feb 16.
 18. Coppadoro A, Bellani G, Bronco A, Lucchini A, Bramati S, Zambelli V, Marcolin R, Pesenti A. The use of a novel cleaning closed suction system reduces the volume of secretions within the endotracheal tube as assessed by micro-computed tomography: a randomized clinical trial. *Ann Intensive Care.* 2015 Dec;5(1):57
 19. Scaravilli V, Grasselli G, Castagna L, Zanella A, Isgro S, Lucchini A, Patroniti N, Bellani G, Pesenti A. Prone positioning improves oxygenation in spontaneously breathing nonintubated patients with hypoxemic acute respiratory failure: A retrospective study. *J Crit Care.* 2015 Dec;30(6):1390-4.
 20. Zambelli V, Bellani G, Borsa R, Pozzi F, Grassi A, Scanziani M, Castiglioni V, Masson S, Decio A, Laffey JG, Latini R, Pesenti A. Angiotensin-(1-7) improves oxygenation, while reducing cellular infiltrate and fibrosis in experimental Acute Respiratory Distress Syndrome. *Intensive Care Med Exp.* 2015 Dec;3(1):44.
 21. Grecchi E, Veronese M, Moresco RM, Bellani G, Pesenti A, Messa C, Bertoldo A. Quantification of Dynamic [(18)F]FDG Pet Studies in Acute Lung Injury. *Mol Imaging Biol.* 2015 Jun 23.
 22. Mauri T, Eronia N, Abbruzzese C, Marcolin R, Coppadoro A, Spadaro S, Patroniti N, Bellani G, Pesenti A. Effects of Sigh on Regional Lung Strain and Ventilation Heterogeneity in Acute Respiratory Failure Patients Undergoing Assisted Mechanical Ventilation. *Crit Care Med.* 2015 May 15.
 23. Zambelli V, Bellani G, Amigoni M, Grassi A, Scanziani M, Farina F, Latini R, Pesenti A. The effects of exogenous surfactant treatment in a murine model of two-hit lung injury. *Anesth Analg.* 2015 Feb;120(2):381-8.
 24. Silvestri A, Polito L, Bellani G, Zambelli V, Jumde RP, Psaro R, Evangelisti C. Gold nanoparticles obtained by aqueous digestive ripening: Their application as X-ray contrast agents. *J Colloid Interface Sci.* 2014 Oct 23;439C:28-33.
 25. Mauri T, Coppadoro A, Bombino M, Bellani G, Zambelli V, Fornari C, Berra L, Bittner EA, Schmidt U, Sironi M, Bottazzi B, Brambilla P, Mantovani A, Pesenti A. Alveolar pentraxin 3 as an early marker of microbiologically confirmed pneumonia: a threshold-finding prospective observational study. *Crit Care.* 2014 Oct 15;18(5):562.
 26. Muttini S, Villani PG, Trimarco R, Bellani G, Grasselli G, Patroniti N. Relation between peak and integral of the diaphragm electromyographic activity at different levels of support during weaning from mechanical ventilation: A physiologic study. *J Crit Care.* 2014 Aug 28. pii: S0883-9441(14)00342-6.
 27. Bellani G, Coppadoro A, Patroniti N, Turella M, Arrigoni Marocco S, Grasselli G, Mauri T, Pesenti A. Clinical assessment of auto-positive end-expiratory pressure by diaphragmatic electrical activity during pressure support and neurally adjusted ventilatory assist. *Anesthesiology.* 2014 Sep;121(3):563-71.
 28. Bellani G, Pesenti A. Assessing effort and work of breathing. *Curr Opin Crit Care.* 2014 Jun;20(3):352-8.
 29. Coppadoro A, Bellani G, Bronco A, Borsa R, Lucchini A, Bramati S, Avalli L, Marcolin R, Pesenti A. Measurement of endotracheal tube secretions volume by micro computed tomography (MicroCT) scan: an experimental and clinical study. *BMC Anesthesiol.* 2014 Mar 28;14(1):22
 30. Akoumianaki E, Maggiore SM, Valenza F, Bellani G, Jubran A, Loring SH, Pelosi P, Talmor D, Grasso S, Chiumello D, Guérin C, Patroniti N, Ranieri VM, Gattinoni L, Nava S, Terragni PP, Pesenti A, Tobin M,

- Mancebo J, Brochard L. The application of esophageal pressure measurement in patients with respiratory failure. *Am J Respir Crit Care Med*. 2014 Mar 1;189(5):520-31
31. Lamonica G, Amigoni M, Vedovelli L, Zambelli V, Scanziani M, Bellani G, Grassi A, Simonato M, Carnielli VP, Cogo PE. Pulmonary surfactant synthesis after unilateral lung injury in mice. *J Appl Physiol* (1985). 2014 Jan 15;116(2):210-5.
 32. Zanella A, Giani M, Redaelli S, Mangili P, Scaravilli V, Ormas V, Costanzi M, Albertini M, Bellani G, Patroniti N, Pesenti A. Infusion of 2.5 meq/min of lactic acid minimally increases CO₂ production compared to an isocaloric glucose infusion in healthy anesthetized, mechanically ventilated pigs. *Crit Care*. 2013 Nov 11;17(6):R268.
 33. Amigoni M, Bellani G, Zambelli V, Scanziani M, Farina F, Fagnani L, Latini R, Fumagalli R, Pesenti A. Unilateral acid aspiration augments the effects of ventilator lung injury in the contralateral lung. *Anesthesiology*. 2013 Sep;119(3):642-51.
 34. Mauri T, Bellani G, Confalonieri A, Tagliabue P, Turella M, Coppadoro A, Citerio G, Patroniti N, Pesenti A. Topographic distribution of tidal ventilation in acute respiratory distress syndrome: effects of positive end-expiratory pressure and pressure support. *Crit Care Med*. 2013 Jul;41(7):1664-73.
 35. Bellani G, Mauri T, Coppadoro A, Grasselli G, Patroniti N, Spadaro S, Sala V, Foti G, Pesenti A. Estimation of patient's inspiratory effort from the electrical activity of the diaphragm. *Crit Care Med*. 2013 Jun;41(6):1483-91.
 36. Govoni L, Dellaca' RL, Peñuelas O, Bellani G, Artigas A, Ferrer M, Navajas D, Pedotti A, Farré R. Actual performance of mechanical ventilators in ICU: a multicentric quality control study. *Med Devices (Auckl)*. 2012;5:111-9.
 37. Mauri T, Bellani G, Grasselli G, Confalonieri A, Rona R, Patroniti N, Pesenti A. Patient-ventilator interaction in ARDS patients with extremely low compliance undergoing ECMO: a novel approach based on diaphragm electrical activity. *Intensive Care Med*. 2013 Feb;39(2):282-91.
 38. Bellani G, Deab SA, Pradella A, Mauri T, Citerio G, Foti G, Pesenti A. Effect of Percutaneous Tracheostomy on Gas Exchange in Hypoxemic and Nonhypoxemic Mechanically Ventilated Patients. *Respir Care* 2013; 58(3):482–486
 39. Zambelli V, Di Grigoli G, Scanziani M, Valtorta S, Amigoni M, Belloli S, Messa C, Pesenti A, Fazio F, Bellani G, Moresco RM. Time course of metabolic activity and cellular infiltration in a murine model of acid-induced lung injury. *Intensive Care Med*. 2012 Apr;38(4):694-701.
 40. Bellani G, Mauri T, Pesenti A. Imaging in acute lung injury and acute respiratory distress syndrome. *Curr Opin Crit Care*. 2012 Feb;18(1):29-34. Review.
 41. Patroniti N, Bellani G, Saccavino E, Zanella A, Grasselli G, Isgrò S, Milan M, Foti G, Pesenti A. Respiratory pattern during neurally adjusted ventilatory assist in acute respiratory failure patients. *Intensive Care Med*. 2012 Feb;38(2):230-9.
 42. Patroniti N, Bellani G, Pesenti A. Nonconventional support of respiration. *Curr Opin Crit Care*. 2011 Oct;17(5):527-32. Review.
 43. Mauri T, Foti G, Zanella A, Bombino M, Confalonieri A, Patroniti N, Bellani G, Pesenti A. Long-term extracorporeal membrane oxygenation with minimal ventilatory support: a new paradigm for severe ARDS? *Minerva Anesthesiol*. 2011 May 26. [Epub ahead of print] PubMed PMID: 21617600.
 44. Bellani G, Amigoni M, Pesenti A. Positron emission tomography in ARDS: a new look at an old syndrome. *Minerva Anesthesiol*. 2011 Apr;77(4):439-47
 45. Lucchini A, Zanella A, Bellani G, Gariboldi R, Foti G, Pesenti A, Fumagalli R. Tracheal Secretion Management in the Mechanically Ventilated Patient: Comparison Between Standard Assessment and an Acoustic Secretion Detector. *Respir Care*. 2011 May;56(5):596-603. Epub 2011 Jan 27. PubMed PMID: 21276316.
 46. Bellani G, Guerra L, Musch G, Zanella A, Patroniti N, Mauri T, Messa C, Pesenti A. Lung regional metabolic activity and gas volume changes induced by tidal ventilation in patients with acute lung injury. *Am J Respir Crit Care Med*. 2011 May 1;183(9):1193-9
 47. Mauri T, Masson S, Pradella A, Bellani G, Coppadoro A, Bombino M, Valentino S, Patroniti N, Mantovani A, Pesenti A, Latini R. Elevated plasma and alveolar levels of soluble receptor for advanced glycation endproducts are associated with severity of lung dysfunction in ARDS patients. *Tohoku J Exp Med*. 2010;222(2):105-12
 48. Scanziani M, Amigoni M, Bellani G, Zambelli V, Masson S, Radaelli E, Pesenti A, Latini R. The effect of a single bolus of exogenous surfactant on lung compliance persists until two weeks after treatment in a model of acid aspiration pneumonitis. *Pulm Pharmacol Ther*. 2010 Jul 30. [Epub ahead of print]

49. Bellani G, Foti G, Spagnolli E, Milan M, Zanella A, Greco M, Patroniti N, Pesenti A. Increase of oxygen consumption during a progressive decrease of ventilatory support is lower in patients failing the trial in comparison with those who succeed. *Anesthesiology*. 2010 Aug;113(2):378-85.
50. Iapichino G, Umbrello M, Albicini M, Spanu P, Bellani G, Polli F, Pavlovic R, Cugno M, Fermo I, Paroni R. Time course of endogenous nitric oxide inhibitors in severe sepsis in humans. *Minerva Anesthesiol*. 2010 May;76(5):325-33
51. Patroniti N, Bellani G, Cortinovis B, Foti G, Maggioni E, Manfio A, Pesenti A. Role of absolute lung volume to assess alveolar recruitment in acute respiratory distress syndrome patients. *Crit Care Med*. 2010 May;38(5):1300-7
52. Zanella A, Bellani G, Pesenti A. Airway pressure and flow monitoring. *Curr Opin Crit Care*. 2010 Jun;16(3):255-60
53. Villa F, Coppadoro A, Bellani G, Foti G, Fumagalli R, Pesenti A. Etiology of respiratory failure is related to mortality in critically ill patients affected by a hematological malignancy: a retrospective study. *Minerva Anesthesiol*. 2010 Jan;76(1):7-12.
54. Mauri T, Bellani G, Patroniti N, Coppadoro A, Peri G, Cuccovillo I, Cugno M, Iapichino G, Gattinoni L, Pesenti A, Mantovani A. Persisting high levels of plasma pentraxin 3 over the first days after severe sepsis and septic shock onset are associated with mortality. *Intensive Care Med*. 2010 Apr;36(4):621-9.
55. Fumagalli R, Bellani G, Perri A. Which drugs for the control of fever in critical patients. *Curr Drug Targets*. 2009 Sep;10(9):881-6.
56. Bellani G, Messa C, Guerra L, Spagnolli E, Foti G, Patroniti N, Fumagalli R, Musch G, Fazio F, Pesenti A. Lungs of patients with acute respiratory distress syndrome show diffuse inflammation in normally aerated regions: a [18F]-fluoro-2-deoxy-D-glucose PET/CT study. *Crit Care Med*. 2009 Jul;37(7):2216-22
57. Migliari M, Bellani G, Rona R, Isgrò S, Vergnano B, Mauri T, Patroniti N, Pesenti A, Foti G. Short-term evaluation of sedation with sevoflurane administered by the anesthetic conserving device in critically ill patients. *Intensive Care Med*. 2009 Jul;35(7):1240-6.
58. Bellani G, Foti G, Spagnolli E, Castagna L, Patroniti N, Pesenti A. An improved Boussignac device for the delivery of non-invasive CPAP: the SUPER-Boussignac. *Intensive Care Med*. 2009 Jun;35(6):1094-9.
59. Savioli M, Cugno M, Polli F, Taccone P, Bellani G, Spanu P, Pesenti A, Iapichino G, Gattinoni L. Tight glycaemic control may favor fibrinolysis in patients with sepsis. *Crit Care Med*. 2009 Feb;37(2):424-31.
60. Foti G, Sangalli F, Berra L, Sironi S, Cazzaniga M, Rossi GP, Bellani G, Pesenti A. Is helmet CPAP first line pre-hospital treatment of presumed severe acute pulmonary edema? *Intensive Care Med*. 2009 Apr;35(4):656-62.
61. Polli F, Savioli M, Cugno M, Taccone P, Bellani G, Spanu P, Pesenti A, Iapichino G, Gattinoni L. Effects of recombinant human activated protein C on the fibrinolytic system of patients undergoing conventional or tight glycaemic control. *Minerva Anesthesiol*. 2009 Jul-Aug;75(7-8):417-26
62. Patroniti N, Saini M, Zanella A, Weismann D, Isgrò S, Bellani G, Foti G, Pesenti A. Measurement of end-expiratory lung volume by oxygen washin-washout in controlled and assisted mechanically ventilated patients. *Intensive Care Med*. 2008 Dec;34(12):2235-40
63. Mauri T, Coppadoro A, Bellani G, Bombino M, Patroniti N, Peri G, Mantovani A, Pesenti A. Pentraxin 3 in acute respiratory distress syndrome: An early marker of severity *Crit Care Med*. 2008 Aug;36(8):2302-8
64. Di Marco F, Tresoldi S, Maggolini S, Bozzano A, Bellani G, Pesenti A, Fumagalli R. Risk factors for treatment failure in patients with severe acute cardiogenic pulmonary oedema. *Anaesth Intensive Care*. 2008 May;36(3):351-9
65. Iapichino G, Albicini M, Umbrello M, Sacconi F, Fermo I, Pavlovich R, Paroni R, Bellani G, Mistraretti G, Cugno M, Pesenti A, Gattinoni L. Tight glycaemic control does not affect asymmetric-dimethylarginine in septic patients. *Intensive Care Med*. 2008 Oct;34(10):1843-50.
66. Amigoni M, Bellani G, Scanziani M, Masson S, Bertoli E, Radaelli E, Patroniti N, Di Lelio A, Pesenti A, Latini R. Lung injury and recovery in a murine model of unilateral acid aspiration: functional, biochemical, and morphologic characterization. *Anesthesiology*. 2008 Jun;108(6):1037-46.
67. Bellani G, Patroniti N, Greco M, Foti G, Pesenti A. The use of helmets to deliver non-invasive continuous positive airway pressure in hypoxemic acute respiratory failure. *Minerva Anesthesiol*. 2008 Nov;74(11):651-6.;
68. Musch G, Bellani G, Vidal Melo MF, Harris RS, Winkler T, Schroeder T, Venegas JG. Relation between shunt, aeration, and perfusion in experimental acute lung injury. *Am J Respir Crit Care Med*. 2008; 177:292-300

Book chapters

1. Treating respiratory failure with extracorporeal support in the ICU (2016). in Oxford Textbook of Critical Care (2 ed.). Edited by A. Webb, D. Angus, S. Finfer, L. Gattinoni, and M. Singer. Oxford University Press DOI: 10.1093/med/9780199600830.003.0105
2. Grasselli G, Pozzi M, Bellani G (2016). Monitoring Respiratory Effort by Means of the Electrical Activity of the Diaphragm. In: Annual Update in Intensive Care and Emergency Medicine 2016. p. 209-309, Berlin: Springer-Verlag, ISBN: 3319273493, 9783319273495
3. Patroniti N, Grasselli G, Bellani G (2013). NAVA: Applications and Limitations. In: Annual Update in Intensive Care and Emergency Medicine 2013. p. 595-608, Berlin: Springer-Verlag, ISBN: 978-3-642-35108-2
4. Zambelli V, Grassi A, Bellani G (2012). Role of the Renin-Angiotensin System in ARDS. In: Annual Update in Intensive Care and Emergency Medicine 2012. p. 171-181, Berlin: Springer-Verlag, ISBN: 978-3-642-25715-5
5. Bellani G, Pesenti A (2012). Positron Emission Tomography. In: Encyclopedia of Intensive Care Medicine. p. 1794-1799, Springer-Verlag, ISBN: [978-3-642-00417-9](#)
6. Bellani G., Foti G., Pesenti A. (2010). Manovre di reclutamento alveolare. In Romano E. Medicina Critica. p. 968-974, Torino: UTET
7. Bellani G., Isgrò S., Fumagalli R. (2010). Helmet continuous positive airway pressure: theory and technology. In: Esquinas AM. Noninvasive Mechanical Ventilation: Theory, Equipment, And Clinical Applications. p. 7-12, Berlin: Springer-Verlag,
8. Bellani G., Patroniti N., & Pesenti, A. (2010). Measurement of Functional Residual Capacity during Mechanical Ventilation. In J.L. Vincent (editor), Yearbook of Intensive Care and Emergency Medicine 2010 (pp. 143-153). Berlin : Springer-Verlag.
9. Foti G; Bellani G. (2008). Ventilazione non invasiva ed edema polmonare acuto. In: GIORGIO TORRI; EDOARDO CALDERINI. Ventilazione Artificiale Meccanica. p. 275-291, ROMA: Antonio Delfino Editore, ISBN/ISSN: 88-7287-356-8
10. Foti G; Torri G; Bellani G.; Villa F (2008). Pressure Support Ventilation (PSV), Airway Pressure Release Ventilation (APRV), Biphase Intermittent Positive Pressure (BIPAP). In: TORRI G.; CALDERINI E.. Ventilazione Artificiale Meccanica. p. 63-73, ROMA: Antonio Delfino, ISBN/ISSN: 88-7287-356-8
11. Patroniti N; Bellani G.; Pesenti A (2008). Strategie ventilatorie nella ARDS. In: TORRI G.; CALDERINI E. Ventilazione Artificiale Meccanica. p. 177-191, ROMA: Antonio Delfino, ISBN/ISSN: 88-7287-356-8

Letters/editorials

1. Bellani G, Laffey JG, Pham T, Fan E; LUNG SAFE Investigators and the ESICM Trials Group. The LUNG SAFE study: a presentation of the prevalence of ARDS according to the Berlin Definition! Crit Care. 2016 Sep 9;20:268
2. Bellani G, Pham T, Laffey J; LUNG-SAFE Investigators; ESICM Trials Group. Incidence of Acute Respiratory Distress Syndrome--Reply. JAMA. 2016 Jul 19;316(3):347. doi: 10.1001/jama.2016.6471. PubMed PMID: 27434453.
3. Bellani G, Pham T, Laffey J; LUNG-SAFE Investigators; ESICM Trials Group. Incidence of Acute Respiratory Distress Syndrome--Reply. JAMA. 2016 Jul 19;316(3):347
4. Deab SA, Bellani G. Extubation failure after successful spontaneous breathing trial: prediction is still a challenge! Respir Care. 2014 Feb;59(2):301-2.
5. Mauri T, Bellani G, Salerno D, Mantegazza F, Pesenti A. Regional distribution of air trapping in chronic obstructive pulmonary disease. Am J Respir Crit Care Med. 2013 Dec 15;188(12):1466-7.
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