

CURRICULUM VITAE

Prof. Edoardo De Robertis, MD, PhD

Personal

Name: Edoardo De Robertis

Title: MD, Ph.D., Prof.

Date and Place of Birth: May the 20th, 1968 – Napoli (Italy)

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Present appointment Associate Professor in Anaesthesia and Intensive Care Medicine – University of Napoli Federico II – Italy.
Clinical Responsibilities: Adult ICU of the University Hospital Federico II, Napoli, Italy

Curriculum Studiorum

Date	Institution	Title
1992	University of Napoli “Federico II”	University Degree in Medicine
1996	University of Napoli “Federico II”	Specialization in Anaesthesia and Intensive Care Medicine
1996-97	University of Lund, Sweden	Research fellow
2000	University of Lund, Sweden	Ph.D. Degree in Clinical Physiology with the thesis: <i>Tools for protective lung ventilation - the elastic pressure-volume curve and aspiration of dead space</i> (ISRN LUNMEDW/MEFL – 1016 – SE)
1997-2005	University of Napoli “Federico II”	University Researcher in Anaesthesia and Intensive Care
From 2005	University of Napoli “Federico II”	Associate Professor in Anaesthesia and Intensive Care

Scientific and Professional Society Activities

- **SIAARTI** (Società Italiana di Anestesia, Analgesia, Rianimazione e Terapia Intensiva)
 - o Secretary-treasurer of the Italian Society of Anaesthesia and Intensive Care Medicine (SIAARTI) for the years 2003-2006
 - o Member elected of the SIAARTI National Council for the years 2006-2009
 - o Member elected of the SIAARTI National Council for the years 2012-2015
- **ESA** (European Society of Anaesthesiology)
 - o Member of the ESA Guidelines Committee
 - o Member of the ESA Scientific SubCommission 13 “ Resuscitation and Emergency Medicine”
 - o Member of the ESA-EBA Task Force on sedation
 - o Member of the ESA-EBA Task Force on severe bleeding management
 - o Member of the ESA-EBA HVTAP Committee
 - o Member of the ESA-EBA Hospital Visiting & Accreditation Programme as “visitor”
- **UEMS** (Union Européenne des Médecins Spécialistes)
 - o Delegate since 2004 at the European Board of Anaesthesiology (EBA) of the European Union of Medical Specialists (EUMS/UEMS).
 - o Chair of the EBA working party on Emergency Medicine
 - o Delegate 2005-2012 at the Multi Disciplinary Joint Commission in Emergency Medicine
 - o EBA Delegate at the European Board of Emergency Medicine

Awards and grants:

- Research grant, Svenska Institutet (1996)
- Research grant ,University Federico II (prot. 7936 del 6/11/98)
- PRIN 1999. (PRIN prot.: 9906575851_003)
- Research grant, University Federico II (prot. 6903 del 29/01/2007)
- SIAARTI Award 1994 for the abstract: “Effect of ventral decubitus on alveolar recruitment in adult respiratory distress syndrome: CT-scan study.”
- Award ASTRA FARMACEUTICI 1994 for the manuscript: “Selective spinal anaesthesia (SSA) in day-hospital surgery: haemodynamic evaluation.”
- SIAARTI Award 1999 for the abstract: “Aspiration of dead space: a strategy to ventilate at low tidal volumes”

Research

Research main topics:

a) Acute Respiratory Failure, Respiratory Mechanics, and tools for Mechanical Ventilation; b) Infection in ICU, and sepsis markers; c) Posterior Reversible Encephalopathy Syndrome; d) Monitoring of critical patient; e) Loco-Regional Anaesthesia.

In the development of my professional life I have been involved, since the beginning, in clinical and experimental research, especially in the fields of intensive care medicine and emergency medicine.

From 1996 I have been member of an international research group on mechanical ventilation joining the Universities of Napoli, Lund, and Paris XII (Creteil). The collaboration has given the opportunity to plan and perform experimental studies in complex animal models and clinical studies in critically ill patients, together with several multi-centre studies, which have been published on important peer reviewed journals. Moreover, an innovative system of ventilation aimed at the reduction of airway dead space (ASPIDS) was developed .

Leader of a research group at the University Federico II, in the last years I have been involved in the planning, management and coordination of several clinical and experimental researches.

Recently, I have been the Italian national coordinator for the ESA multicentric study PROVHILO and the ESICM consensus study WELPICUS.

Reviewer of several journals of the discipline.

Invited lecture at national and international meeting and congresses: 50

Total Number of publications: 222 (Impact Factor: 192,4; Citations: 620; h-index: 14)

At the present the majority of my working time is devoted to research and teaching at the University of Napoli Federico II. Clinically, I am responsible of the adult general ICU at the University Hospital Federico II.

List of all researching, teaching, and clinical activities upon request.

Main Publications:

1. Sprung CL, Truog RD, Curtis JR, Joynt GM, Baras M, Michalsen A, Briegel J, Kesecioglu J, Efferen L, De Robertis E, et al.. Seeking Worldwide Professional Consensus on the Principles of End-of-life Care for the Critically Ill: The Welpicus Study. *Am J Respir Crit Care Med*. 2014 Aug 27. [Epub ahead of print]. PMID: 25162767
2. PROVE Network Investigators for the Clinical Trial Network of the European Society of Anaesthesiology High versus low positive end-expiratory pressure during general anaesthesia for open abdominal surgery (PROVHILO trial): a multicentre randomised controlled trial. *Lancet*. Aug 9;384(9942):495-503, 2014. doi: 10.1016/S0140-6736(14)60416-5. Epub 2014 Jun 2.

3. De Robertis E, Kozek-Langenecker S, Tufano R, Romano GM, Piazza O, Zito Marinosci G. Coagulopathy induced by acidosis, hypothermia and hypocalcaemia in severe bleeding. *Minerva Anesthesiol.* 2014 Mar 7. [Epub ahead of print] PMID: 24608516
4. De Robertis E, Zito Marinosci G. The luxury of breathing oxygen. *Minerva Anesthesiol.* 2013 Dec;79(12):1324-5.
5. O. Piazza, E. Leggiero, G. De Benedictis, L. Pastore, F. Salvatore, R. Tufano and E. De Robertis. S100B induces the release of pro-inflammatory cytokines in Alveolar Type I-like cells. *International Journal of Immunopathology and Pharmacology* 2013; 26(2): 383-91.
6. Guidelines from the European Society of Anaesthesiology. S. A. Kozek-Langenecker, A. Afshari, P. Albaladejo, C. Aldecoa Alvarez Santullano, E. De Robertis, D. C. Filipescu, D. Fries, K. Gorlinger, T. Haas, G. Imberger, M. Jacob, M. Lance, J. Llao, S. Mallett, J. Meier, N. Rahe-Meyer, C. Marc Samama, A. Smith, C. Solomon, P. Van der Linden, A. Juul Wikkelsø, P. Wouters and P. Wyffels. Management of severe perioperative bleeding. *Eur J Anaesthesiol* 2013; 30 (6):270-382.
7. Piazza O, Scarpati G, Rispoli F, Iannuzzi M, Tufano R, De Robertis E. Terlipressin in brain-death donors. *Clin Transplant* 2012 DOI: 10.1111/ctr.12038.
8. L. Uttman, U. Bitzén, E. De Robertis, J. Enoksson, L. Johansson, B. Jonson . Protective ventilation in experimental acute respiratory distress syndrome after ventilator induced lung injury - a randomized controlled trial . *Br J Anaesth* 2012 Oct;109(4):584-94
9. Piazza O, De Robertis E, Caranci F, Quarantelli M, Tufano R. Riedel's thyroiditis and cerebral venous sinuses thrombosis: a case report. *Panminerva Med.* 2010 Dec;52(4):362-4.
10. Petrini F, Solca M, De Robertis E, Peduto VA, Pasetto A, Conti G, Antonelli M, Pelosi P. The Helsinki Declaration on Patient Safety in Anesthesiology: a way forward with the European Board and the European Society of Anesthesiology. *Minerva Anesthesiol.* 2010 Nov;76(11):971-7.
11. De Robertis E, Uttman L, Jonson B. Re-inspiration of CO2 from ventilator circuit: effects of circuit flushing and aspiration of dead space up to high respiratory rate. *Crit Care.* 2010 Apr 26;14(2):R73.
12. Iannuzzi M, De Sio A, De Robertis E, Piazza O, Servillo G, Tufano R. Different patterns of lung recruitment maneuvers in primary acute respiratory distress syndrome: effects on oxygenation and central hemodynamics. *Minerva Anesthesiol.* 2010 76(9):692-8.
13. Tufano R, Piazza O, De Robertis E. Guidelines and the medical "art". *Int Care Med.* 36 (9); 1612: 2010.
14. E. De Robertis, P. Tomins, and H. Knappe. Anaesthesiologists in Emergency Medicine: the desirable man power. *Eur J Anaesthesiol*, 27(3): 223-5; 2010.
15. G. Servillo, L. Di Donato, E. De Robertis. Major key topics concerning influence of P/V tracing methodology of the presence and value of the Upper Inflection Point (UIP). In: "Yearbook Respiratory Care Clinics and Applied Technologies 2008". Published by World Federation of Respiratory Care and Applied Technologies. I.S.B.N. 978-84-612-5901-4. Edited by Dr. Antonio Esquinas. pag. 284-294.
16. Piazza O, Cotena S, De Robertis E, Caranci F, Tufano R. Sepsis associated encephalopathy studied by MRI and cerebral spinal fluid S100B measurement. *Neurochem Res.* 2009 Jul;34(7):1289-92. Epub 2009 Jan 9.
17. Piazza T, Piazza O, De Robertis E, Tufano R. Do you think my ICU will benefit from an electronic medical record system? *Panminerva Med.* 2008 Dec;50(4):339-45.
18. De Robertis E, McAdoo J, Pagni R, Knappe JT. Core curriculum in emergency medicine integrated in the specialty of anaesthesiology. *Eur J Anaesthesiol.* 2007 Dec;24(12):987-90.
19. Lonardo M, Piazza O, De Marco G, De Robertis E, Servillo G, Tufano R. Intra-abdominal hypertension is not reliable as an early predictor of mortality in the intensive care unit. *Minerva Anesthesiol.* 2007 Sep;73(9):447-50.
20. Servillo G, Bifulco F, De Robertis E, Piazza O, Striano P, Tortora F, Striano S, Tufano R. Posterior reversible encephalopathy syndrome in intensive care medicine. *Intensive Care Med.* 2007 Feb;33(2):230-6. Epub 2006 Nov 21. Review.
21. Palumbo D, Servillo G, D'Amato L, Volpe ML, Capogrosso G, De Robertis E, Piazza O, Tufano R. The effects of hydroxyethyl starch solution in critically ill patients. *Minerva Anesthesiol.* 2006;72(7-8):655-64.

22. Volpe ML, Piazza O, Palumbo D, Griffo S, Romano M, Servillo G, De Robertis E, Tufano R. Conscious analgesedation for radiofrequency ablation of lung neoplasm. *Minerva Anesthesiol.* 2006 Mar;72(3):111-5.
23. Minnucci C, De Rosa MC, Granata A, Piazza O, De Robertis E. Minimally invasive cardiac output monitoring in intensive care unit. *Panminerva Med.* 2005 Dec;47(4):269.
24. Piazza O, Iasiello A, Papalanni C, De Robertis E, Servillo G, Rossano F, Tufano R. Incidence of antimicrobial-resistant ventilator associated pneumonia: an eighteen-month survey. *Panminerva Med.* 2005 Dec;47(4):265-7.
25. Lonardo M, Piazza O, De Robertis E, Tufano R. Nosocomial fungal infection in intensive care units. *Panminerva Med.* 2005 Sep;47(3):195-6.
26. Piazza O, Cotena S, Esposito G, De Robertis E, Tufano R. S100B is a sensitive but not specific prognostic index in comatose patients after cardiac arrest. *Minerva Chir.* 2005 Dec;60(6):477-80.
27. Piazza O, Esposito G, De Robertis E, Servillo G, Tufano R. S100B in Guillain-Barré syndrome. *Br J Anaesth.* 2006 Jan;96(1):141-2.
28. Striano P, Striano S, Tortora F, De Robertis E, Palumbo D, Elefante A, Servillo G. Clinical spectrum and critical care management of Posterior Reversible Encephalopathy Syndrome (PRES). *Med Sci Monit.* 2005 Nov;11(11):CR549-53.
29. Piazza O, De Robertis E, Servillo G, Tufano R. The demonstration that I am sick is the fact that I have not recovered. *Panminerva Med.* 2005 Jun;47(2):131.
30. De Robertis E, Caliendo D, Varriale A, Bilancio F, Tufano R. Infection in ICU: a burden without solution? *Panminerva Med.* 2005 Mar;47(1):65-6.
31. Palmese S, Pezza M, De Robertis E. Hypophosphatemia and metabolic acidosis. *Minerva Anesthesiol.* 2005 May;71(5):237-42.
32. Palmese S, Ughi L, Iacono F, Scibelli G, De Robertis E, Natale A, Pezza M. Exogenous albumin administration to hypoalbuminemic patients in the ICU setting: A retrospective analysis *Rivista Italiana di Nutrizione Parenterale ed Enterale* 2005 23 (1), pp. 36-42.
33. De Robertis E, Viscidi D, Servillo G, Pezza M, Piazza O, Giuliano C.A., Tufano R. Use of quinupristin/dalfopristin in a critical patient with a methicillin-resistant *Staphylococcus aureus* infection *Minerva Anestesiologica.* 2004 70 (10), pp. 747-751.
34. Wiedermann F.J., Schlimp C.J., De Robertis E, Servillo G. Adherence to lung protective ventilation strategies in acute respiratory distress syndrome (multiple letters) *European Journal of Anaesthesiology.* 2004 21 (7), pp. 574-576.
35. Tufano R, De Robertis E. Organ donor and health policy: The anaesthesia and reanimation *Minerva Anestesiologica* 2004 70 (4), pp. 131-136.
36. Servillo G, Striano P, Striano S, Tortora F, Boccella P, De Robertis E, Rossano F, Briganti F, Tufano R. Posterior reversible encephalopathy syndrome (PRES) in critically ill obstetric patients *Intensive Care Medicine.* 2003 29 (12), pp. 2323-2326.
37. De Robertis E, Servillo G, Pezza M, Viscidi D, Tufano R. Derecruitment of the lung induced by stepwise lowering of positive end-expiratory pressure in patients with adult respiratory distress syndrome *European Journal of Anaesthesiology.* 2003 20 (10), pp. 794-799.
38. Palmese S, Di Domenico M.G., Busiello L, Cascella M, De Robertis E, Pezza M. Early enteral nutrition in the critically ill patient: A retrospective study. *Rivista Italiana di Nutrizione Parenterale ed Enterale.* 2003 21 (3), pp. 143-146.
39. Servillo G, De Robertis E, Maggiore S, Lemaire F, Brochard L, Tufano R. The upper inflection point of the pressure-volume curve: Influence of methodology and of different modes of ventilation. *Intensive Care Medicine.* 2002 28 (7), pp. 842-849.
40. Piazza O, De Robertis E, Fraioli G, Tufano R. Luxatio cordis due to right pericardium tear, a difficult diagnosis: Report of a case. *Intensive Care Medicine* 2002, 28 (7), pp. 978-980.
41. De Robertis E, Servillo G, Tufano R, Jonson B. Aspiration of dead space allows isocapnic low tidal volume ventilation in acute lung injury. Relationships to gas exchange and mechanics. *Intensive Care Medicine.* 2001, 27 (9), pp. 1496-1503.

42. De Robertis, E., Liu, J.M., Blomquist, S., Dahm, P.L., Thörne, J., Jonson, B. Elastic properties of the lung and the chest wall in young and adult healthy pigs. *European Respiratory Journal*. 2001, 17 (4), pp. 703-711.
43. Dahm, P.L., Blomquist, S., De Robertis, E., Jonson, B., Myhre, E., Svantesson, C., Thörne, J. Effects on NO inhalation on pulmonary leukocyte sequestration and blood volume in porcine endotoxaemia. *Intensive Care Medicine* 2000, 26 (3), pp. 336-343.
44. Servillo, G., De Robertis, E., Coppola, M., Blasi, F., Rossano, F., Tufano, R. Application of a computerised method to measure static pressure volume curve in acute respiratory distress syndrome. *Intensive Care Medicine*. 2000, 26 (1), pp. 11-14.
45. Liu, J.-M., De Robertis, E., Blomquist, S., Dahm, P.L., Svantesson, C., Jonson, B. Elastic pressure-volume curves of the respiratory system reveal a high tendency to lung collapse in young pigs. *Intensive Care Medicine*. 1999, 25 (10), pp. 1140-1146.
46. De Robertis, E., Servillo, G., Jonson, B., Tufano, R. Aspiration of dead space allows normocapnic ventilation at low tidal volumes in man. *Intensive Care Medicine*. 1999, 25 (7), pp. 674-679.
47. De Robertis, E., Sigurdsson, S.E., Drefeldt, B., Jonson, B. Aspiration of airway dead space: A new method to enhance CO₂ elimination. *American Journal of Respiratory and Critical Care Medicine*. 1999, 159 (3), pp. 728-732.
48. Leone, D., Servillo, G., De Robertis, E., Rossano, F., Tufano, R. Evaluation of continuous measurement of cardiac output with thermodilution in critical patients . *Minerva anesthesiologica*. 1998, 64 (9), pp. 409-414.
49. Leone, D., Servillo, G., De Robertis, E., Rossano, F., Tufano, R. Monitoring cardiac output: esophageal doppler vs thermodilution. *Minerva anesthesiologica*. 1998, 64 (7-8), pp. 351-356.
50. Dahm, P.L., Jonson, B., De Robertis, E., Myhre, E., Svantesson, C., Thörne, J., Blomquist, S. The effects of nitric oxide inhalation on respiratory mechanics and gas exchange during endotoxaemia in the pig. *Acta Anaesthesiologica Scandinavica*. 1998, 42 (5), pp. 536-544.
51. Servillo, G., Roupie, E., De Robertis, E., Rossano, F., Brochard, L., Lemaire, F., Tufano, R. Effects of ventilation in ventral decubitus position on respiratory mechanics in adult respiratory distress syndrome. *Intensive Care Medicine*. 1997, 23 (12), pp. 1219-1224.
52. Palomba, R., Sica, G., Liardo, A., Bardari, G., De Robertis, E., Tufano, R. Selective spinal anaesthesia in ambulatory surgery. *Ambulatory Surgery*. 1997, 4 (3-4), pp. 109-112.
53. Servillo, G., Fraioli, G., De Robertis, E., Tufano, R. Treatment of a bronchial rupture by bronchoscopic fibrin sealant application. *Intensive Care Medicine*. 1995, 21 (3), p. 286.

List of all publications upon request