

European Curriculum Vitae



Personal information

First name(s) / Surname(s) **DAVIDE COLOMBO**
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Tax code **CLMDVD76C19A429C**
Nationality **Italy**
Date of birth **1976/03/19** (yyyy/mm/dd)
Gender **Male**

Work experience

Dates	From 2019, February - Today
Occupation or position held	Government employee
Main activities and responsibilities	Head of Anesthesia and Intensive Care Dept
Name and address of employer	ASL Novara – SS. Trinità Hospital – Borgomanero
Type of business or sector	Public Hospital
Level in national or international classification	Head of the Unit
Dates	From AY 2017-18 - Today
Occupation or position held	Government employee
Main activities and responsibilities	Professor of Anaesthesia and Intensive Care
Name and address of employer	Eastern Piedmont University
Type of business or sector	Academic Institute
Level in national or international classification	Adjunct Professor

Dates From 2018, January 15th – 2019, February 3rd
Occupation or position held Government employee
Main activities and responsibilities Intensive Care Unit Responsible
Name and address of employer ASL Novara – SS. Trinità Hospital – Borgomanero
Type of business or sector Public Hospital
Level in national or international classification Head of the Unit

Dates From April 2011 – 2016
Occupation or position held iNovaria S.R.L. (University spin-off)
Main activities and responsibilities Managing Director – Responsible for research and development
Name and address of employer Founder, Managing Director
Type of business or sector Provider software and hardware for training and simulations in medicine, especially in disaster and mass casualty events
Level in national or international classification Managing Director

Dates From 2008, August – 2018, January
Occupation or position held Government employee
Main activities and responsibilities Senior staff Intensive Care Unit and Anaesthesiology
Name and address of employer Maggiore della Carità – Novara University Hospital
Type of business or sector University Hospital
Level in national or international classification Consultant

Dates From January 2007 – August 2008
Occupation or position held Freelance
Main activities and responsibilities Elective and urgency shift in Intensive Care Unit
Name and address of employer Maggiore della Carità – Novara University Hospital
Type of business or sector University Hospital

Education and training

Dates 2016-2022
Title of qualification awarded National Academic Qualification as Associate Professor
Principal subjects/occupational skills covered Research and teaching
Name and type of organisation providing education and training National Commission Examination
Level in national or international classification Associate Professor qualification
Level in national or international classification Associate Professor qualification

Dates From 2010 – Today
Title of qualification awarded Visiting Professor

Principal subjects/occupational skills covered	European Master in Disaster Medicine
Name and type of organisation providing education and training	Università del Piemonte Orientale – Novara (I) Free University of Brussel – Brussel (B)
Level in national or international classification	Visiting Professor
Dates	2007-2010
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Research and teaching on the topic: “Control of breathing and patient-ventilator interaction during partial support ventilation”
Name and type of organisation providing education and training	Università del Piemonte Orientale
Level in national or international classification	PhD
Dates	From 2006 – 2007
Title of qualification awarded	Research fellowship
Principal subjects/occupational skills covered	New marker for sepsis Research methodology and results dissemination
Name and type of organisation providing education and training	Amedeo Avogadro University High Specialization School. Clinical and Experimental Dpt.
Level in national or international classification	University Grant
Dates	From 2002 – 2006
Title of qualification awarded	Specialist in Anaesthesia, Intensive Care and Analgesia
Principal subjects/occupational skills covered	Theoretical and practical knowledge in Anaesthesia, Intensive Care and Analgesia
Name and type of organisation providing education and training	Amedeo Avogadro University, Specialization School.
Level in national or international classification	Specialist
Dates	2002
Title of qualification awarded	Medical Doctor
Principal subjects/occupational skills covered	Certification for practicing medicine
Name and type of organisation providing education and training	Amedeo Avogadro University
Level in national or international classification	MD, Medical Doctor
Dates	From 1995 – 2001
Title of qualification awarded	Degree
Principal subjects/occupational skills covered	Medical sciences
Name and type of organisation providing education and training	Amedeo Avogadro University. School of medicine
Level in national or international classification	Doctor

Dates	From 1989 – 1995
Title of qualification awarded	Diploma
Principal subjects/occupational skills covered	Ancient Languages, Italian, Philosophy and History (Classical Study)
Name and type of organisation providing education and training	Liceo Scientifico E. Fermi con annessa sezione di Liceo Classico
Level in national or international classification	Diploma

Personal skills and competences

Mother tongue(s)

Italian

Other language(s)

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Advanced	C1	Advanced	B2	Advanced	B2	Advanced	C1	Advanced

(*) Common European Framework of Reference for Languages

Driving licence

A, B European

Managing competences and experience

- FIA (FEDERATION INTERNATIONALE DE L'AUTOMOBILE) EXTRICATION COURSE FOR ALL CAR RACING EVENTS. 2015, NOVEMBER 14.
- FIA (FEDERATION INTERNATIONALE DE L'AUTOMOBILE) CERTIFICATION FOR RALLY ITALIA SARDEGNA – 7° HEAT OF WORLD RALLY CHAMPIONSHIP 11-14 JUNE 2015
- DIRECTOR OF FULL SCALE EXERCISE "TICINO 2015" JOINT SIMULATION INCLUDING ITALIAN CIVIL PROTECTION, EUROPEAN MASTER IN DISASTER MEDICINE AND ITALIAN ARMY. MAY 2015
- ORGANIZER OF CONGRESS ENTITLED: NBCR: EXCHANGING EXPERIENCE. MAY 2015
- SAFETY PROCEDURE IN MISANO WORLD CIRCUIT. NOVEMBER 2014
- FIA (FEDERATION INTERNATIONALE DE L'AUTOMOBILE) CERTIFICATION FOR RALLY ITALIA SARDEGNA – 6° HEAT OF WORLD RALLY CHAMPIONSHIP 5-8 JUNE 2014
- DIRECTOR OF FULL SCALE EXERCISE "TICINO 2014" JOINT SIMULATION INCLUDING ITALIAN CIVIL PROTECTION, EUROPEAN MASTER IN DISASTER MEDICINE AND ITALIAN ARMY. JUNE 2014
- CONGRESS ORGANIZER: L'INTERAZIONE CIVILE-MILITARE NEI CONTESTI DI RISPOSTA ALLE MAXI-EMERGENZE: ESPERIENZE NAZIONALI EDI INTERNAZIONALI MAGGIO 2014
- ITALIAN RESCUE TEAM MEMEBER FOR HAIYAN TYPHOON DISASTER, UNDER THE UMBRELLA OF ITALIAN CIVIL PROTECTION (PHILIPPINES NOVEMBRE 2013)
- CO-COORDINATOR OF ITALIAN NAVA COLLABORATIVE GROUP. 2013-2015
- DIRECTOR OF FULL SCALE EXERCISE IN PREPARETION FOR FORMULA 1 GRAND PRIX ABU DHABI (UAE) OCTOBER 2012
- ADVANCED COURSE ON URGENCY TRACHEOTOMY PROCEDURES (GENOVA 1-2 DICEMBRE 2011)
- ADVANCED COURSE ON US IN URGENCY (CUNEO 29-30 MARZO 2011)
- ADVANCED COURSE ON UPDATE ON RESPIRATORY MONITORING (ROMA 5-8 DICEMBRE 2010)
- FROM 2010 EMDM FACULTY MEMBER
- FROM SEPTEMBER 2007 MEMBER OF CRIMEDIM: CENTRO DI RICERCA INTERDIPARTIMENTALE IN MEDICINA D'EMERGENZA E DEI DISASTRI E DI INFORMATICA APPLICATA ALLA DIDATTICA E ALLA PRATICA MEDICA

Publication

Citation Index	All
Citation	911
H-Index	15
i10-index	17

Fonte Google Scholar

(Peer reviewd journal with Impact Factor)

- Cammarota G, Sguazzotti I, Zaroni M, Messina A, **Colombo D**, Vignazia GL, Vetrugno L, Garofalo E, Bruni A, Navalesi P, Avanzi GC, Della Corte F, Volpicelli G, Vaschetto R. Diaphragmatic Ultrasound Assessment in Subjects With Acute Hypercapnic Respiratory Failure Admitted to the Emergency Department. *Respir Care*. 2019 Aug 27. pii: respcare.06803. doi: 10.4187/respcare.06803. [Epub ahead of print]

- Ozella L, Gauvin L, Carezzo L, Quaggiotto M, Ingrassia PL, Tizzoni M, Panisson A, **Colombo D**, Sapienza A, Kalimeri K, Della Corte F, Cattuto C. Wearable Proximity Sensors for Monitoring a Mass Casualty Incident Exercise: Feasibility Study. *J Med Internet Res*. 2019 Apr 26;21(4):e12251. doi: 10.2196/12251.
- Messina A, **Colombo D**, Barra FL, Cammarota G, De Mattei G, Longhini F, Romagnoli S, DellaCorte F, De Backer D, Cecconi M, Navalesi P. Sigh maneuver to enhance assessment of fluid responsiveness during pressure support ventilation. *Crit Care*. 2019 Jan 28;23(1):31. doi: 10.1186/s13054-018-2294-4.
- Bergamaschi V, Vignazia GL, Messina A, **Colombo D**, Cammarota G, Corte FD, Traversi E, Navalesi P. Transthoracic echocardiographic assessment of cardiac output in mechanically ventilated critically ill patients by intensive care unit physicians. *Rev Bras Anesthesiol*. 2019 Jan - Feb;69(1):20-26. doi: 10.1016/j.bjan.2018.09.004. Epub 2018 Nov 6.
- Longhini F, **Colombo D**, Pisani L, Idone F, Chun P, Doorduyn J, Ling L, Alemani M, Bruni A, Zhaochen J, Tao Y, Lu W, Garofalo E, Carezzo L, Maggiore SM, Qiu H, Heunks L, Antonelli M, Nava S, Navalesi P. Efficacy of ventilator waveform observation for detection of patient-ventilator asynchrony during NIV: a multicentre study. *ERJ Open Res*. 2017 Oct 4;3(4). pii: 00075-2017. doi: 10.1183/23120541.00075-2017. eCollection 2017 Oct. Messina A, Romano SM, Bonicolini E, **Colombo D**, Cammarota G, Chiostrì M, Della Corte F, Navalesi P, Payen D, Romagnoli *Cardiac cycle efficiency and dicrotic pressure variations: new parameters for fluid therapy: A pilot observational study*. *Eur J Anaesthesiol*. 2017 Jun 19
- S.Sainaghi, P.P., **Colombo, D.**, Re, A., Bellan, M., Sola, D., Balbo, P.E., Campanini, M., Della Corte, F., Navalesi, P., Pirisi, M. *Natural history and risk stratification of patients undergoing non-invasive ventilation in a non-ICU setting for severe COPD exacerbations* (2016) *Internal and Emergency Medicine*, 11 (7), pp. 969-975.
- Cammarota, G., Longhini, F., Perucca, R., Ronco, C., **Colombo, D.**, Messina, A., Vaschetto, R., Navalesi, P. *New Setting of Neurally Adjusted Ventilatory Assist during Noninvasive Ventilation through a Helmet* (2016) *Anesthesiology*
- Carezzo, L., Ragozzino, F., **Colombo, D.**, Barra, F.L., della Corte, F., Ingrassia, P.L. *Virtual Laboratory and Imaging: an online simulation tool to enhance hospital disaster preparedness training experience* (2016) *European Journal of Emergency Medicine*
- **Colombo, D.**, Messina, A., Cammarota, G. *Looking for the grail, finding traces on the way* (2016) *Critical Care Medicine*, 44 (6), pp. 1237-1238.
- A Messina, **D Colombo**, S Romagnoli, E Bonicolini, G De Mattei, F Longhini, AR De Gaudio, F Della Corte, P Navalesi *The mini-sigh test: a new haemodynamic test of fluid responsiveness in icu patients undergoing pressure support ventilation*.
- Antonio Messina, **Davide Colombo**, Gianmaria Cammarota, Marta De Lucia, Maurizio Cecconi, Massimo Antonelli, Francesco Della Corte, Paolo Navalesi *Patient-ventilator asynchrony affects pulse pressure variation prediction of fluid responsiveness*. *Journal of critical care* 06/2015; 30(5).
- **Davide Colombo**, Antonio Messina, Gianmaria Cammarota, *The Noninvasive Invasion*. *Critical care medicine* 07/2015; 43(7):1534-1535.
- L Frassanito, A Messina, A Vergari, **D Colombo**, A Chierichini, F Della Corte, P Navalesi, M Antonelli *Intravenous infusion of magnesium sulfate and postoperative analgesia in total knee arthroplasty*. *Minerva anesthesiologica* 01/2015
- Luca Carezzo, Federico Lorenzo Barra, Pier Luigi Ingrassia, **Davide Colombo**, Alessandro Costa, Francesco Della Corte *Disaster medicine through Google Glass* *European Journal of Emergency Medicine* 11/2014; 22(3)
- Jeffrey Michael Franc, Pier Luigi Ingrassia, Manuela Verde, **Davide Colombo**, Francesco Della Corte *A Simple Graphical Method for Quantification of Disaster Management Surge Capacity Using Computer Simulation and Process-control Tools* *Prehospital and disaster medicine* 11/2014; 30(01):1-7.
- Federico Longhini, Federica Ferrero, Daniele De Luca, Gianluca Cosi,

- Moreno Alemani, **Daide Colombo**, Gianmaria Cammarota, Paola Berni, Giorgio Conti, Gianni Bona, Francesco Della Corte, Paolo Navalesi *Neurally Adjusted Ventilatory Assist in Preterm Neonates with Acute Respiratory Failure*. *Neonatology* 11/2014; 107(1):60-67.
- Pier Luigi Ingrassia, Luca Ragazzoni, Luca Carenzo, **Daide Colombo**, Alba Ripoll Gallardo and Francesco Della Corte *Virtual reality and live simulation: a comparison between two simulation tools for assessing mass casualty triage skills* *European journal of emergency medicine* 05/2014
 - Christer Sinderby, Songqiao Liu, **Daide Colombo**, Gianmaria Camarotta, Arthur S Slutsky, Paolo Navalesi, Jennifer Beck *An automated and standardized neural index to quantify patient-ventilator interaction*. *Critical care (London, England)* 10/2013; 17(5):R239.
 - A Messina, **D Colombo**, G Cammarota, M De Lucia, F Della Corte, P Navalesi *Fluid responsiveness in pressure support ventilation: role of asynchrony* *Critical care (London, England)* 2013 03/2013; 17(2)
 - L Carenzo, F Barra, A Messina, **D Colombo**, T Fontana, F Della Corte *Overtriage and undertriage in a prehospital system over 7 years* *CC* 2013 03/2013; 17(2)
 - A Messina, L Frassanito, **D Colombo**, A Vergari, G Draisci, F Della Corte, M Antonelli *Hemodynamic changes associated with spinal and general anesthesia for hip fracture surgery in severe ASA III elderly population: a pilot trial*. *Minerva A* 2013 mag-13
 - Francesco Della Corte, Ingrassia PL, **Colombo D**, Barra FL, Carenzo L. *Impact of training in medical disaster management: a pilot study using a new tool for live simulation* *Emerg* 2013 25(6):459-466.
 - Rosanna Vaschetto, Gianmaria Cammarota, Davide Colombo, Federico Longhini, Francesca Grossi, Andrea Giovanniello, Francesco Della Corte, Paolo Navalesi *Effects of Propofol on Patient-Ventilator Synchrony and Interaction During Pressure Support Ventilation and Neurally Adjusted Ventilatory Assist*. *CCM* 2013 ago-13
 - Christer Sinderby, Songqiao Liu, **Daide Colombo**, Gianmaria Camarotta, Arthur S Slutsky, Paolo Navalesi, Jennifer Beck *An automated and standardized neural index to quantify patient-ventilator interaction*. *CC* 2013 10/2013; 17(5):R239
 - Ingrassia PL, Carenzo L, Barra FL, **Colombo D**, Ragazzoni L, Tengattini M, Prato F, Geddo A, Della Corte F. *Data collection in a live mass casualty incident simulation: automated RFID technology versus manually recorded system*. *JEM* 2012 Feb;19(1):35-9.
 - Rosanna Vaschetto, Emilia Turucz, Fabrizio Dellapiazza, Stefania Guido, **Daide Colombo**, Gianmaria Cammarota, Francesco Della Corte, Massimo Antonelli, Paolo Navalesi *Noninvasive ventilation after early extubation in patients recovering from hypoxemic acute respiratory failure: a single-centre feasibility study*. *ICM* 2012 DOI:10.1007/s00134-012-2652-7
 - FL Barra, L Carenzo, PL Ingrassia, M Tengattini, F Prato, **D Colombo**, F Della Corte *Comparison of two disaster drills' management performed by trained and not-trained students: key times evaluation* *Emerg* 2012
 - Michel Debacker, Ives Hubloue, Erwin Dhondt, Gerald Rockenschaub, Anders Rüter, Tudor Codreanu, Kristi L Koenig, Carl Schultz, Kobi Peleg, Pinchas Halpern, Samuel Stratton, Francesco Della Corte, Herman Delooz, Pier Luigi Ingrassia, **Daide Colombo**, Maaret Castrèn *Utstein-style template for uniform data reporting of acute medical response in disasters*. *PLoS* 2012 01/2012; 4:e4f6cf3e8df15a.
 - PL Ingrassia, L Ragazzoni, L Carenzo, FL Barra, **D Colombo**, G Gugliotta, F Della Corte *Virtual reality and live scenario simulation: options for training medical students in mass casualty incident triage* *CC* 2012 03/2012; 16(1)
 - Cammarota G, Olivieri C, Costa R, Vaschetto R, **Colombo D**, Turucz E, Longhini F, Della Corte F, Conti G, Navalesi P. *Noninvasive ventilation through a helmet in postextubation hypoxemic patients: physiologic comparison between neurally adjusted ventilatory assist and pressure support ventilation*. *ICM* 2011 Dec;37(12):1943-50. Epub 2011 Oct 18.
 - Cammarota G, Vaschetto R, Turucz E, Dellapiazza F, **Colombo D**, Blando C, Della Corte F, Maggiore SM, Navalesi P. *Influence of lung collapse distribution on the physiologic response to recruitment maneuvers during noninvasive continuous positive airway pressure*. *ICM* 2011 Jul;37(7):1095-

102. Epub 2011 May 13.

- **Colombo D**, Cammarota G, Alemani M, Carengo L, Barra FL, Vaschetto R, Slutsky AS, Della Corte F, Navalesi P. *Efficacy of ventilator waveforms observation in detecting patient-ventilator asynchrony*. CCM 2011 Nov;39(11):2452-7.
- **Colombo D**, Della Corte F. *Mortality following mechanical ventilation in the Intensive Care Unit: a puzzle under construction*. Minerva A 2011 Jan;77(1):6-8
- Pier Luigi Ingrassia, **Colombo Davide**, Franc-Law Jeffrey, Della Corte Francesco *Individual characteristics, learning styles, and students' outcome in a disaster medicine blended learning programme* I JEM 2011 2011(Inaugural Issue):12-20.
- Ingrassia PL, Prato F, Geddo A, **Colombo D**, Tengattini M, Calligaro S, La Mura F, Franc JM, Della Corte F. *Evaluation of medical management during a mass casualty incident exercise: an objective assessment tool to enhance direct observation*. E JEM 2010 Nov;39(5):629-36. Epub 2009 Jun 30.
- Navalesi P, **Colombo D**, Della Corte F. *NAVA ventilation*. Minerva A 2010 May;76(5):346-52. Review.
- **Colombo D**, Cammarota G, Bergamaschi V, De Lucia M, Corte FD, Navalesi P. *Physiologic response to varying levels of pressure support and neurally adjusted ventilatory assist in patients with acute respiratory failure*. ICM 2008 Nov;34(11):2010-8. Epub 2008 Jul 16
- Vaschetto R, Nicola S, Olivieri C, Boggio E, Piccolella F, Mesturini R, Damnotti F, **Colombo D**, Navalesi P, Della Corte F, Dianzani U, Chiochetti A. *Serum levels of osteopontin are increased in SIRS and sepsis*. ICM 2008 Dec;34(12):2176-84. Epub 2008 Sep 20.

Book

- Chapter 112: "**Colombo D**, Berni P, Navalesi P. Ventialzione Frattale" in Romano E. – Medicina Critica – Ed. UTET 2010
- Italian traslation of: "Clinical Anesthesia" 5th edition" (2006)
 - Cap 10: Hemotherapy and Hemostasis (John C. Drummond and Charise T. Petrovitch)
 - Cap 53: Anesthesia for organ transplantation (Marie Csete and Kathryn Glass)
- Italian traslatino of: "Clinical Anesthesia" 4th edition" (2002)
 - Cap 10 "Transfusion therapy and haemostasis" (Charise T. Petrovitch and John C. Drummond)
 - Cap 52 "Anesthesia in organs transplantation" (Leonard L. Firestone and Susan Firestone)

Borgomanero, 2020, Jan 8

