

NAME:	Luca CARENZO
NATIONALITY:	ITALY
REGISTRATION:	Full – Italy #4013 Novara Specialist Registry: Anesthetics and IC Full – General Medical College (GMC) UK #7588556 Specialist Registry: Anesthetics
DATE OF BIRTH:	6 th March 1985

Email1: luca.carenzo@gmail.com

Skype: luca.carenzo

Linkedin: <https://www.linkedin.com/profile/view?id=123660583>

Twitter: @carenzmd

ORCID: [0000-0002-4646-2660](https://orcid.org/0000-0002-4646-2660)

EDUCATION

- **European Diploma in Intensive Care Medicine (EDIC)**
 - European Society of Intensive Care Medicine (ESICM) - Bruxelles October 2019
- **Master of Science (M.Sc.) in Disaster Medicine (European Master in Disaster Medicine – EMDM)**
 - Università del Piemonte Orientale – Novara Italy and Free University of Bruxelles – Belgium. 2016-2017
- **Postgraduate training program in Anesthesia and Critical Care**
 - Università del Piemonte Orientale - Novara, Italy 2011-2016
 - Final grade 70/70 cum laude Specialist in Anesthesia and Intensive Care Medicine
 - Thesis: Neurally Adjusted Ventilatory Assist versus Pressure Support Ventilation: a randomized multicenter study.
- **Medical Degree (MD equivalent)**
 - Università del Piemonte Orientale - Novara, Italy 2004-2010
 - Final Grade 110/110 cum laude
 - Thesis: Non invasive ventilation (NIV) for acute respiratory failure outside the intensive care environments.
- **Amedeo Avogadro High School (Liceo Scientifico) – Vercelli, Italy 1999-2004**
 - High School Diploma (Maturità Scientifica), grade 100/100
- **Hastings High School – Hastings, Minnesota USA 2002-2003**
 - One year long education experience as foreign exchange student with an AFS scholarship. Obtained a US high school diploma

PROFESSIONAL EXPERIENCE

- **London's Air Ambulance, London, UK**
 - HEMS Doctor (September 2020 to February 2021)
- **Istituto Clinico Humanitas, Milano, Italy**
 - Anesthesia and Critical Care Consultant (February 2019 to present)
- **Royal London Hospital, Barts Health NHS Trust, London, UK**
 - *Trauma Critical Care Fellow, Adult Critical Care Unit (August 2017 to August 2018)*
 - *Locum Consultant, August-September 2018*
- **Istituto Clinico Città Studi, Milano, Italy**
 - *Critical Care Consultant (October 2016 to June 2017)*
- **AirMedical Srl, Milano, Italy**
 - National and International aeromedical retrieval and transfer of critical patients (July 2016 to August 2017)
- **RCS Active, Milano, Italy**
 - *Medical Director, Generali Milano Marathon, Medical consultant for running and large events (April 2016 to present)*
- **Medecins sans Frontieres / Doctors without Borders**
 - Field Anesthesiologist and Emergency Medicine doctor both in Natural Disasters contest (Nepal OCB December 2015) and War Zone (Yemen Sa'ada OCBA January to February 2016).
- **SIMNOVA Medical Simulation Center** – Università del Piemonte Orientale Medical School Novara Italy January 2014 to present
 - Assessing and developing the technology plan for the new medical simulation center of the university, with special interest in the high fidelity simulators and crisis resource management stations. Developing learning and education program using high fidelity simulation from the student to the post-graduate training level.
- **Echocardiography Lab** – Rehabilitative Cardiology IRCCS Maugeri Montescano Institute – February 2014 to June 2014
 - Echocardiography training
- **Department of Anesthesia and Intensive Care** – Ospedale Maggiore della Carità – Eastern Piedmont University Medical School – Novara, Italy (February 2008 to June 2016).
 - Regular rotation between Operating Rooms, Intensive Care, Shock Room, Pain Medicine and Hyperbaric Medicine.

INDEXED/IMPACTED PEER-REVIEWED PAPERS

- **Carenzo L, Protti A, Dalla Corte F, et al. Short-term health-related quality of life, physical function and psychological consequences of severe COVID-19.** *Ann Intensive Care.* 2021;11(1):91. Published 2021 Jun 4. doi:10.1186/s13613-021-00881-x
- **Carenzo L, Dalla Corte F, Haines RW, et al. Return to Work After Coronavirus Disease 2019 Acute Respiratory Distress Syndrome and Intensive Care Admission: Prospective, Case Series at 6 Months From Hospital Discharge** [published online ahead of print, 2021 May 26]. *Crit Care Med.* 2021;10.1097/CCM.0000000000005096. doi:10.1097/CCM.0000000000005096
- **Carenzo L, Cena T, Carfagna F, et al. Assessing anaesthesiology and intensive care specialty physicians: An Italian language multisource feedback system.** *PLoS One.* 2021;16(4):e0250404. Published 2021 Apr 23. doi:10.1371/journal.pone.0250404
- **Carenzo L, Elli D, Mainetti M, et al. A dedicated multidisciplinary safety briefing for the COVID-19 critical care.** *Intensive Crit Care Nurs.* 2020;60:102882. doi:10.1016/j.iccn.2020.102882
- **Fowler AJ, Wan YI, Carenzo L, Haines RW. COVID-19 Phenotypes and Potential Harm of Conventional Treatments: How to Prove the Hypothesis.** *Am J Respir Crit Care Med.* 2020;202(4):619-621. doi:10.1164/rccm.202004-1293LE
- **Lodigiani C, Iapichino G, Carenzo L, et al. Venous and arterial thromboembolic complications in COVID-19 patients admitted to an academic hospital in Milan, Italy.** *Thromb Res.* 2020;191:9-14. doi:10.1016/j.thromres.2020.04.024
- **Dell'Era V, Garzaro M, Carenzo L, Ingrassia PL, Aluffi Valletti P. An innovative and safe way to train novice ear nose and throat residents through simulation: the SimORL experience.** *Acta Otorhinolaryngol Ital.* 2020;40(1):19-25. doi:10.14639/0392-100X-N0128
- **Carenzo L, Costantini E, Greco M, et al. Hospital surge capacity in a tertiary emergency referral centre during the COVID-19 outbreak in Italy** [published correction appears in *Anaesthesia.* 2020 Nov;75(11):1540]. *Anaesthesia.* 2020;75(7):928-934. doi:10.1111/anae.15072
- **Carenzo L, Bazurro S, Colombo D, Petrini F, Ingrassia PL. An Island-Wide Disaster Drill to Train the Next Generation of Anesthesiologists: The SIAARTI Academy Experience** [published online ahead of print, 2020 Mar 2]. *Disaster Med Public Health Prep.* 2020;1-4. doi:10.1017/dmp.2019.163
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- **Carenzo, L., Braithwaite, E., Carfagna, F., Franc, J., Ingrassia, P., Turner, M., ... & Jones, M. (2019). Cognitive appraisals and team performance under stress: a simulation study.** *Medical Education.*
- **Carenzo, L., Oldani, S., Barra, F. L., & Montagna, L. (2019). Standardised medical student for clinician educator training.** *Medical education,* 53(11), 1158.

- Binotti, M., Genoni, G., Rizzollo, S., De Luca, M., Carenzo, L., Monzani, A., & Ingrassia, P. L. (2019). **Simulation-based medical training for paediatric residents in Italy: a nationwide survey.** *BMC medical education*, 19(1), 161.
- Ozella, L., Gauvin, L., Carenzo, L., Quaggiotto, M., Ingrassia, P. L., Tizzoni, M., ... & Della Corte, F. (2019). **Wearable proximity sensors for monitoring a mass casualty incident exercise: feasibility study.** *Journal of medical internet research*, 21(4), e12251.
- Scquizzato T, Landoni G, Carenzo L, Forti A, Zangrillo A. **A smartphone application with augmented reality for estimating weight in critically ill paediatric patients.** *Resuscitation* 2019. (epub ahead of print)
- Carenzo L. **This is not a drill.** *Intensive Care Medicine* Nov 2018 (epub ahead of print)
- Ingrassia PL, Franc JM and Carenzo L. **A novel simulation competition format as an effective instructional tool in post-graduate medical education.** *Advances in Simulation* 2018 Aug 9;3:17
- Barra FL, Carenzo L, Franc J, Montagnini C, Petrini F, Della Corte F, Ingrassia PL. **Anesthesiology residents induction month: a pilot study showing an effective and safe way to train novice residents through simulation.** *Minerva Anestesiol.* 2018 Jan 16
- 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, Carenzo 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)
- Binotti M, Genoni G, Carenzo L, Ferrero F, Bona G, Ingrassia PL. **Common complication of sickle cell disease in a resource-constrained environment. A simulation scenario.** *Simul Healthc.* 2017 Aug;12(4):274-278
- Carenzo L, Ragozzino F, Colombo D, Barra FL, Della Corte F. and Ingrassia PL. **Virtual Laboratory and Imaging: an online simulation tool to enhance hospital disaster preparedness training experience.** *European journal of emergency medicine* 2016 Sep [Epub ahead of print]
- Paganini M, Borrelli F, Cattani J, Ragazzoni L, Djalali A, Carenzo L, Della Corte F, Burkle F and Ingrassia PL. **Assessment of disaster preparedness among emergency departments in Italian hospitals: a cautious warning for disaster risk reduction and management capacity.** *Scandinavian journal of trauma, resuscitation and emergency medicine* 2016 Aug 15;24(1):101
- Franc JM, Verde M, Gallardo AR, Carenzo L and Ingrassia PL. **An Italian version of the Ottawa Crisis Resource Management Global Rating Scale: a reliable and valid tool for assessment of simulation performance.** *Internal and Emergency Medicine*, 2016 pp.1-6.
- Olivieri C, Ingrassia PL, Della Corte F, Carenzo L, Saporì JM, Gabilly L, Segond F, Grieger F, Arnod-Prin P, Larrucea X, Violi C, Lopez C, Djalali A. **Hospital preparedness and response in CBRN emergencies: TIER assessment tool.** *European Journal of Emergency Medicine* 2016 Apr 7
- Van Asbroeck PJ, Heiser J, Leto R, Capizzi M, Morhardt C, Carenzo L. **Emergency Medicine training and working conditions in Europe: a joint EuSEM young doctors – European Junior Doctors Survey.** *Eur J Emerg Med.* 2015 Dec;22(6):445-7
- Ardalan A, Balikudembe JK, Ingrassia PL, Carenzo L, Della Corte F, Akbarisari A, Djalali A. **Virtual Disaster Simulation: Lesson Learned from an international collaboration that can be leveraged for disaster education in Iran.** *PLOS Curr.* 2015 Jul 13;7

- Ripoll-Gallardo A, Ingrassia PL, Ragazzoni L, Djalali A, Carenzo L, Burkle FM, Della Corte F. **Professionalization of anesthesiologists and critical care specialists in humanitarian action: a nationwide poll among Italian residents.** *Prehospital and disaster medicine* 2014 Dec 15:1-6
- Carenzo L, Barra FL, Ingrassia PL, Colombo D, Costa A, Della Corte F. **Disaster Medicine through Google Glass.** *European Journal of Emergency Medicine* 2015 Jun;22(3):222-5
- Olivieri C, Carenzo L, Vignazia GL, Campanini M, Pirisi M, Della Corte F, Navalesi P. **Does Noninvasive ventilation delivery in the ward provide early effective ventilation?** *Respiratory Care* 2015 Jan;60(1)6-11
- Ingrassia PL, Ragazzoni L, Tengattini M, Carenzo L, Della Corte, F. **Nationwide Program of Education for Undergraduates in the Field of Disaster Medicine: Development of a Core Curriculum Centered on Blended Learning and Simulation Tools.** *Prehospital and disaster medicine* 2014, 1-8.
- Djalali A, Carenzo L, Ragazzoni L, Azzaretto M, Petrino R, Della Corte F, Ingrassia PL. **Does Hospital Disaster Preparedness Predict Response Performance During a Full-scale Exercise? A Pilot Study.** *Prehospital and disaster medicine* 2014 Oct;29(5):441-7
- Ingrassia PL, Ragazzoni L, Carenzo L, Colombo D, Gallardo A, Della Corte F. **Virtual reality and live simulation: a comparison between two simulation tools for assessing mass casualty triage skills.** *European Journal of Emergency Medicine* 2014.
- Ingrassia PL, Colombo D, Barra, FL, Carenzo L, Franc J, Della Corte F. **Impact of training in medical disaster management: a pilot study using a new tool for live simulation.** *Emergencias* 2013, 25:459-466
- Ingrassia PL, Carenzo L, Barra, FL, Colombo D, Ragazzoni L, Tengattini M, Della Corte F. **Data collection in a live mass casualty incident simulation: automated RFID technology versus manually recorded system.** *European Journal of Emergency Medicine* 2012, 19(1), 35-39.
- Colombo D, Cammarota G, Alemani M, Carenzo L, Barra FL, Vaschetto R, Slutsky A, Della Corte F, Navalesi P. **Efficacy of ventilator waveform observation in detecting patient-ventilator asynchrony.** *Critical Care Medicine* 2011 Nov; 39(11)
- Waseem H, Carenzo L, Razzak J, Naseer R. **Epidemiology of major incidents: an EMS study from Pakistan.** *International Journal of Emergency Medicine* 2011 Jul 28;4:48
- Carenzo L, Olivieri C, Vignazia GL, Navalesi P. **Idiopathic Cheyne-Stokes Respiration in acute respiratory acidosis.** *American Journal of Respiratory and Critical Care Medicine* 2011. 184(11), 1313
- Barra FL, Carenzo L, Ingrassia PL, Tengattini M, Prato F, Colombo D, Della Corte F. **Comparison of two disaster drills management performed by trained and not-trained students: key times evaluation.** *Critical Care* 2010, 14(Suppl 1):P275

Any supporting evidence is available upon request.

Ai sensi Decreto Legislativo del 30 giugno 2003(Dlgs. 196/03), recante disposizioni “a tutela delle persone e degli altri soggetti rispetto al trattamento dei dati personali”, esprimo il mio consenso al trattamento dei dati personali forniti tramite questo documento.

Novara, November, 29th 2021

