



LORENZO GRAZIOLI

Date of birth: 15/03/1979 | **Nationality:** Italian | **Gender:** Male |

(+39) 0352644632 | lgrazioli@asst-pg23.it | Piazza OMS 1, 24127, Bergamo, Italy

● WORK EXPERIENCE

16/06/2021 – CURRENT – Bergamo, Italy

DIRECTOR OF CARDIAC ANESTHESIA AND INTENSIVE SIMPLE OPERATING UNIT – ASST PAPA GIOVANNI XXIII

2018 – CURRENT – Milano

CONTRACT PROFESSOR – UNIVERSITÀ DEGLI STUDI DI MILANO STATALE

“Scienze Tecniche Mediche Applicate” – ore 20 presso il Corso di laurea in TECNICHE DI FISIOPATOLOGIA CARDIOCIRCOLATORIA E PERFUSIONE CARDIOVASCOLARE (Classe L/SNT3) 2018/2019, 2019/2020 e 2020/2021 2021/2022

03/08/2015 – CURRENT – Bergamo, Italy

ANESTHESIA AND INTENSIVE CARE DOCTOR – ASST PAPA GIOVANNI XXIII

Cardiac Anaesthesia and Intensive Care doctor
ECMO Director

28/01/2014 – 02/08/2015 – Leicester, Italy

CARDIAC PAEDIATRIC ANAESTHESIA AND PEDIATRIC CARDIAC INTENSIVE CARE LOCUM CONSULTANT – GLENFIELD HOSPITAL

01/12/2008 – 15/01/2014 – Bergamo, Italy

CARDIAC ANESTHESIA AND INTENSIVE CARE DOCTOR – ASST PAPA GIOVANNI XXIII

Pediatric and Adult Cardiac Anaesthesia and Intensive Care doctor

01/06/2008 – CURRENT – Bergamo, Italy

EMERGENCY DOCTOR FOR MOTORBOAT RACE – BERGAMO SCUBA ANGELS

Emergency doctor for national and international motorboat races

01/10/2006 – 30/06/2007 – Erba, Italy

A&E DOCTOR – OSPEDALE SACRA FAMIGLIA

01/05/2005 – 28/02/2006 – Erba, Italy

A&E DOCTOR – OSPEDALE SACRA FAMIGLIA

● EDUCATION AND TRAINING

02/02/2015 – 06/02/2015 – Leicester, United Kingdom

TRANSESOPHAGEAL ECHOCARDIOGRAPHY COURSE – Glenfield Hospital

Address Leicester, United Kingdom

07/04/2014 – 10/04/2014 – Leicester, United Kingdom

ECMO SPECIALIST COURSE – Glenfield Hospital

Post Graduate Level - ECMO Management

Address Leicester, United Kingdom

01/10/2004 – 03/11/2008

ANAESTHESIA AND INTENSIVE CARE TRAINING – Università degli Studi di Milano Bicocca

Tesi :Efficacia del Levosimendan nella terapia della disfunzione diastolica in cardiocirurgia.

Relatore Prof. A.Pesenti

Correlatore : F.L. Lorini MD

Final grade 70/70

01/09/1998 – 22/07/2004

MEDICINE AND SURGERY GRADUATION – Università degli Studi di Milano Bicocca

Tesi : Uso di un inibitore specifico delle fosfodiesterasi V nell'ipertensione polmonare secondaria ad embolia polmonare.

Relatore: Prof A. Pesenti MD,

Correlatore: A. Guariglia MD

Final grade 110/110 e lode

1993 – 1998 – Lecco, Italy

DIPLOMA SCIENTIFICO – Collegio A Volta

Address Valle, 2 C, Lecco, Italy | **Final grade** 45/60

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

Poster

- V.Buonamici, M.V. Barelli, F. De Marco, L. Grazioli, P. Ghiso, G. Annoni, F. Magrini, A.Pierini.
"Tissue Doppler Imaging e cateterismo cardiaco confronto nella valutazione della funzione del ventricolo destro"
Poster Congresso Nazionale della Società Italiana di Cardiologia.
- L. Grazioli, F.Ferri, E.Pagani, S.Cattaneo, A.Rizza, S.Cerutti, C.Mirabile, B.Rasella, F.L.Lorini
"Fulminant myocarditis in H1N1 infection associated with Legionella."
Poster CARACT 2011
- Ghitti D., Fumagalli E, Grazioli L. MD, Cattaneo S. MD, Lorini F.L. MD
Use of CDI 500 during ECMO: reliability of data and benefits.
ELSO Conference 2014
- Ghitti D., Favarato M., Bonanomi E., Federici D., Uricchio N., Silvas J.,Viscardi S., Micci G., Ariano A., Bruno V., Crisci S.,
Gasparini F., Pelliccioli I., Vedovati S., Seddio F., Gaspani M., Vedovati M., Grazioli L., Cattaneo S., Papa M., Galletti L.,
Lorini F.L.
VA ECMO, then BIVAS and finally LVAS as bridge to recovery: a case report of a difficult weaning infant.
Euro ELSO Congress 2017
- Ghitti D., Parente V, Manessi M., Fumagalli E. Silvas J. Micci G. Grazioli L. Cattaneo S. Rossi F. Polvani G. Agrifoglio
M. Lorini F.L.
Clots on ECMO
EuroELSO Conference 2018

Book (Co Author)

ISBN 978-3-319-99891-6
2019

Sarti, Armando, Lorini, F. Luca, Textbook of Echocardiography for Intensivists and Emergency Physicians

Book As Coauthor

DOI: 10.1007/978-88-470-2583-7_2, Springer-Verlag Italia
2012

A. Sarti and F. L. Lorini (eds.), Echocardiography for Intensivists

Book (Co Author)

ISBN 978-88-214-2515-8 . Elsevier

2011

F. Guarracino, F.Santini, "Terapia Intensiva in chirurgia cardiovascolare".

Abstract

S. Aliberti, P. Tarsia, C. Canetta, A.M. Brambilla, G. Graziadei, G.Dilani, L. Grazioli, R. Marcelli, R. Casentini
Higher serum lactic dehydrogenase (LDH) levels predict a worse outcome in patients with Acute
Cardiogenic
Pulmonary Edema (ACPE) treated with Continuous Positive Airway Pressure (CPAP).
IV Congresso Nazionale SIMEU, Genova, 19-22.05

Abstract

Maestroni, S. Aliberti, C. Canetta, P. Tarsia, AM Brambilla, G. Graziadei, G. Dilani, F. Vincenti, L. Grazioli, M.
Pappalettera,
R. Casentini.
"Effects of Continuous Positive Airway Pressure (CPAP) on left ventricle (LV) systolic and diastolic function in
normal
subjects assessed by Echocardiography"
SMART, Milano 2004

Abstract

R. Cosentini, S. Aliberti, A.M. Brambilla, C. Canetta, G. Graziadei, G. Milani, L. Grazioli, S.Rossi , B. Zecca , P.
Tarsia.
"Use of new simplified acute physiology score (SAPS II) in patients with acute cardiogenic pulmonary
oedema treated
with continuous positive airway pressure"
European Respiratory Journal, Volume 24, Supplement 48, September 2004 (14th ERS Annual Congress,
Glasgow, UK,
September 4-8, 2004)

Abstract

S. Aliberti, P. Tarsia, C. Canetta, A.M. Brambilla, G. Graziadei, G.Milani, L. Grazioli, R. Marcelli , R. Casentini
" Higher serum lactic dehydrogenase (LDH) levels predict a worse outcome in patients with Acute
Cardiogenic Pulmonary
Edema treated with Continuous Positive Airway Pressure (CPAP)"
European Respiratory Journal, Volume 24, Supplement 48, September 2004 (14th ERS Annual Congress,
Glasgow, UK,
September 4-8, 2004)

Abstract

AM. Brambilla, S. Aliberti, P. Tarsia, C. Canetta, G. Graziadei, G. Milani, L. Grazioli, ER Bregani, G. Torgano , R.
Casentini.
"Higher serum C-reactive protein levels predict a worse outcome in patients with acute cardiogenic
pulmonary oedema
treated with continuous positive airway pressure"
European Respiratory Journal, Volume 24, Supplement 48, September 2004 (14th ERS Annual Congress,
Glasgow, UK,
September 4-8, 2004)

Abstract

G. Bellani, A. Pesenti, L. Guerra, L. Grazioli, E. Spagnoli, G. Foti, C. Pasquali, S. Redaelli, N. Patroniti, C. Messa.
"Imaging of lung inflammation during ALI/ARDS by Positron Emission Tomography (PET): a preliminary report".
Abstract ESICM Congress 2007

Abstract

N. Al-Subaie, L. Grazioli, T. Addei, R. Hagger, R.M. Grounds, A. Rhodes
"Central venous pressure and saturation correlate poorly with oxygen delivery of patients undergoing major abdominal surgery"
Abstract ESICM Congress 2008

Abstract

F.L. Lorini, A. Antipin, F. Ferri, G. Di Dedda, L. Grazioli, A. Rizza
"Intraaortic balloon pump"
Abstract Intercept congress 2009

Abstract

Use of "LIMON Test" in Constrictive Pericarditis: a case series; Simon, C., Grazioli, L., Cugola, D. et al.
J Cardiothorac Surg(2015) 10: A37. doi:10.1186/1749-8090-10-S1-A37

Abstract

M. Monti; P. Pagni; M. Di Matteo; L. Gandini; FM. Russo; L. Manesso;
A. Martinelli; L. Zacchetti; I. Bianchi; L. Grazioli; L. Longhi; F. Previdi;
FL. Lorini
Ventilatory Ratio: a useful prognostic tool for ARDS due to SARS-CoV-2
Intensive Care Medicine Experimental (2020) 8:73 Page 48 of 612

Abstract

FM. Russo; L. Zacchetti; L. Manesso; M. Monti; L. Gandini; I. Bianchi; M. Di Matteo; A. Martinelli; G. Poli; L. Grazioli; F. Previdi; FL. Lorini
Steroid immunomodulation in SARS-CoV-2 patients
Intensive Care Medicine Experimental (2020) 8:73

Abstract

L. Manesso; I. Bianchi; L. Gandini; M. Monti; FM. Russo; L. Zacchetti; P. Pagni; M. Di Matteo; L. Longhi; L. Grazioli; F. Previdi; FL. Lorini
The effect of prone positioning in SARS-CoV-2: a case series
Intensive Care Medicine Experimental (2020) 8:73

Article

R. Cosentini, C.Folli, M.Cazzaniga, S.Aliberti, F.Piffer, L.Grazioli, G.Milani, M.Pappalettera, M.Arioli, F.Tantardini, AM.Brambilla.

"Usefulness of simplified acute physiology score II in predicting mortality in patients admitted to an emergency medicine ward"

Internal Emergency Medicine (2009) 4:241-247

Article

Conrad SA, Broman LM, Taccone FS, Lorusso R, Malfertheiner MV, Pappalardo F, Di Nardo M, Belliato M, Grazioli L, Barbaro RP, McMullan DM, Pellegrino V, Brodie D, Bembea MM, Fan E, Mendonca M, Diaz R, Bartlett RH

The Extracorporeal Life Support Organization Maastricht Treaty for Nomenclature in Extracorporeal Life Support. A Position Paper of the Extracorporeal Life Support Organization.

Am J Respir Crit Care Med. 2018 Apr 3

Article

Broman LM, Taccone FS, Lorusso R, Malfertheiner MV, Pappalardo F, Di Nardo M, Belliato M, Bembea MM, Barbaro RP, Diaz R, Grazioli L, Pellegrino V, Mendonca MH, Brodie D, Fan E, Bartlett RH, McMullan MM, Conrad SA.

The ELSO Maastricht Treaty for ECLS Nomenclature: abbreviations for cannulation configuration in extracorporeal life support - a position paper of the Extracorporeal Life Support Organization.

Crit Care. 2019 Feb 8;23(1):36.

Article

F Luca Lorini, Lorenzo Grazioli , Roberto Manfredi, Emanuele Rausa, Davide Ghitti, Giancarla Poli, Marcus Peck and Sergio Cattaneo

A prolonged and successful heparin-free extracorporeal membrane oxygenation run in isolated thoracic trauma: A case report

Int J Artif Organs, 2019 Nov 8[Online ahead of print]

Article

Paolo Pais;Simon Robinson;Gavin Majithia-Beet;Attilio Lotto;Tracy Kumar;Claire Westrope;Nikol Sullo;Bryony Eagle Hemming;Lathishia Joel-David;Maria JnTala;Claudio Corazzari;Lorenzo Grazioli;Dawn Smallwood;Gavin Murphy;Florence Lai;Marcin Woźniak;

Biomarkers of Inflammation and Lung Recovery in Extracorporeal Membrane Oxygenation Patients With Persistent Pulmonary Hypertension of the Newborn: A Feasibility Study

Pediatr Crit Care Med 2019 Nov 14[Online ahead of print]

Article

Grasselli G, Zangrillo A, Zanella A, et al.

Baseline Characteristics and Outcomes of 1591 Patients Infected With SARS-CoV-2 Admitted to ICUs of the Lombardy Region, Italy [published online ahead of print, 2020 Apr 6].

JAMA. 2020;323(16):1574-1581. doi:10.1001/jama.2020.5394

Article as working group

Shekar K, Badulak J, Peek G, et al.

Extracorporeal Life Support Organization COVID-19 Interim Guidelines

[published online ahead of print, 2020 Apr 29]. ASAIO J. 2020;

Article

Foresti C, Servalli MC, Frigeni B, Rifino N, Storti B, Gritti P, Fabretti F, Grazioli L, Sessa M. COVID-19 provoking Guillain-Barré syndrome: the Bergamo case series. *Eur J Neurol.* 2020 Sep 22:10.

Article

Caravita S, Baratto C, Di Marco F, Calabrese A, Balestrieri G, Russo F, Faini A, Soranna D, Perego GB, Badano LP, Grazioli L, Lorini FL, Parati G, Senni M. Haemodynamic characteristics of COVID-19 patients with acute respiratory distress syndrome requiring mechanical ventilation. An invasive assessment using right heart catheterization. *Eur J Heart Fail.* 2020 Dec;22(12):2228-2237.

Article as working group

Foti G, Giannini A, Bottino N, Castelli GP, Cecconi M, Grasselli G, Guatteri L, Latronico N, Langer T, Monti G, Muttini S, Pesenti A, Radrizzani D, Ranucci M, Russotto V, Fumagalli R; COVID-19 Lombardy ICU Network. Management of critically ill patients with COVID-19: suggestions and instructions from the coordination of intensive care units of Lombardy. *Minerva Anesthesiol.* 2020 Nov;86(11):1234-1245. doi: 10.23736/S0375-9393.20.14762-X. PMID: 33228329.

Article

Greco G, Ripamonti D, Binda F, Fabretti F, Grazioli L, Rizzi M. Potential role of subcutaneous tocilizumab injections in patients with COVID-19 associated pneumonia. *J Med Virol.* 2021 Feb;93(2):686-688.

Article

Barrantes JH, Ortoleva J, O'Neil ER, Suarez EE, Beth Larson S, Rali AS, Agerstrand C, Grazioli L, Chatterjee S, Anders M. Successful Treatment of Pregnant and Postpartum Women With Severe COVID-19 Associated Acute Respiratory Distress Syndrome With Extracorporeal Membrane Oxygenation. *ASAIO J.* 2021 Feb 1;67(2):132-136.

Article

Novelli L, Raimondi F, Ghirardi A, Pellegrini D, Capodanno D, Sotgiu G, Guagliumi G, Senni M, Russo FM, Lorini FL, Rizzi M, Barbui T, Rambaldi A, Cosentini R, Grazioli LS, Marchesi G, Sferrazza Papa GF, Cesa S, Colledan M, Civiletti R, Conti C, Casati M, Ferri F, Camagni S, Sessa M, Masciulli A, Gavazzi A, Falanga A, DA Pozzo LF, Buoro S, Remuzzi G, Ruggenenti P, Callegaro A, D'Antiga L, Pasulo L, Pezzoli F, Gianatti A, Parigi P, Farina C, Bellasi A, Solidoro P, Sironi S, Di Marco F, Fagioli S; HPG23 COVID-19 Study Group. At the peak of COVID-19 age and disease severity but not comorbidities are predictors of mortality: COVID-19 burden in Bergamo, Italy.

Panminerva Med. 2021 Mar;63(1):51-61.

Article as working group

Di Nardo M, Hoskote A, Thiruchelvam T, Lillie J, Horan M, Belda Hofheinz S, Dupic L, Gimeno R, de Piero ME, Lo Coco V, Roeleveld P, Davidson M, Jones T, Broman LM, Lorusso R, Belohlavek J; EuroELSO Neonatal & Pediatric Working Group & collaborators on COVID-19; authors thank all the centers who participated to this survey/study and the EuroELSO Social Media Team for their support in spreading the survey/study and EuroELSO Neonatal & Pediatric Working Group & collaborators on COVID-19.

Extracorporeal Membrane Oxygenation in Children with Coronavirus Disease 2019: Preliminary Report from the Collaborative European Chapter of the Extracorporeal Life Support Organization Prospective Survey.

ASAIO J. 2021 Feb 1;67(2):121-124.

Article as working group

Lorusso R, Combes A, Coco VL, De Piero ME, Belohlavek J; EuroECMO COVID-19 WorkingGroup; Euro-ELSO Steering Committee.

ECMO for COVID-19 patients in Europe and Israel.

Intensive Care Med. 2021 Jan 9:1-5.

Article

Raimondi F, Novelli L, Marchesi G, Fabretti F, Grazioli L, Riva I, Allegri C, Biza R, Galimberti C, Lorini FL, Di Marco F.

Worsening of gas exchange parameters at high FiO₂ in COVID-19: misleading or informative?

Multidiscip Respir Med. 2021 May 25;16(1):759.

Article

Lorini FL, Di Matteo M, Gritti P, Grazioli L, Benigni A, Zacchetti L, Bianchi I, Fabretti F, Longhi L. Coagulopathy and COVID-19.

Eur Heart J Suppl. 2021 Oct 8;23(Suppl E):E95-E98.

Article

Fanelli V, Giani M, Grasselli G, Mojoli F, Martucci G, Grazioli L, Alessandri F, Mongodi S, Sales G, Montrucchio G, Pizzi C, Richiardi L, Lorini L, Arcadipane A, Pesenti A, Foti G, Patroniti N, Brazzi L, Ranieri V. Extracorporeal membrane oxygenation for COVID-19 and influenza H1N1 associated acute respiratory distress syndrome: a multicenter retrospective cohort study.

Crit Care. 2022 Feb 5;26(1):34.

● CONFERENCES AND SEMINARS

Conference as Speaker

- EUROELSO 2021 Web Conference 5-7 May 2021
- "Legal Liability for Allocation of Scarce Resources in Health Care in the COVID-19 Pandemic" Web Conference 15 April 2021
- HESAR Web Conference 23 April 2020
- ESPNIC 20 April 2020 - Web Conference
- Update sulla contropulsazione aortica 12 December 2019- Bergamo
- XIII Update di Anestesia Ostetrica 2-3 December 2019 - Bergamo
- Critical Care Cardiology Course 16-17 October 2019 -Pavia
- ICARE 15-18 October 2019 - Roma

- Corso teorico pratico per l'uso di metodiche di supporto cardiorespiratorio extracorporeo (ECMO)
16-18 May 2019- Bergamo
- Corso teorico pratico per l'uso di metodiche di supporto cardiorespiratorio extracorporeo (ECMO)
24-26 October 2019- Bergamo
- Corso teorico pratico per l'uso di metodiche di supporto cardiorespiratorio extracorporeo (ECMO)
14-16 June 2018 - Bergamo
- Ecocardiochirurgia 9-11 April 2018 - Milano
- Corso teorico pratico per l'uso di metodiche di supporto cardiorespiratorio extracorporeo (ECMO)
30 Nov 1-2 December 2017 - Bergamo
- Critical Care Cardiology Course 25-26 October 2017 - Milano
- Tour Ecocardiografia 18-19 December - Bergamo
- X update in anestesia ostetrica 5-6 December 2016- Bergamo
- Critical Care Cardiology Course 21 October 2016 - Milano
- 20° SARNEPI Congresso Nazionale 22-24 September 2016- Bergamo
- ECMO nello scompenso cardiaco e nella Insufficienza respiratoria acuta 7 May 2016 - Bari
- Inside Lombardia 25 February 2016 - Bergamo
- World Medicine Park 15-18 May 2016 - Mykonos
- SIARTI 14-17 October 2015 - Bologna
- BERIAN 12-13 November 2010

● ORGANISATIONAL SKILLS

Organisational skills

1. Reorganization and management of the reconversion of Intensive Care Units during COVID waves
2. Sharing competencies with international webinars during COVID Pandemic
3. Design and creation of the local ECMO course which trained more than 300 healthcare professions between local and national institutions
4. Design, validation and drafting of local ECLS protocol (adult and pediatric IHCA, OHCA, Cardiogenic Shock, accidental hypotemia)
5. Organization and development of the logistical OHCA pathway (dedicated OR, internal education on percutaneous cannulation and direct access from the field)
6. Participation in the design and drafting of the regional ECLS protocol (VA and VV)
7. Organization and execution of ECMO referral from spoke hospital (Ambulance and helicopter)
8. In 2017 drafting DCD local protocol and starting of controlled and uncontrolled DCD donation program

● VOLUNTEERING

Humanitarian Missions

10 Dec 2018 -15 Dec 2018

Jakaya Kikwete Cardiac Institute, Muhimbili National Hospital, Dar es Salaam (Tanzania)

Paediatric Cardiac Surgery Anesthetist and PICU

20 Nov 2017 - 23 Nov 2017

Bernu Kliniska, Riga (Latvia)

Paediatric Cardiac Surgery Anesthetist and PICU

11 Jun 2017-17 Jun 2017

Polisano Clinic, Sibiu (Romania)

Paediatric Cardiac Surgery Anesthetist

11 Jun 2016-18 Jun 2016

The Mater Hospital, Nairobi (Kenya)

Paediatric Cardiac Surgery Anesthetist

19 Apr 2015-26 Apr 2015

The Mission Hospital, Durgapur (India)

Cardiac paediatric anaesthesia

14 Jun 2014-21 Jun 2014

Shringar Hospital, Shringar (India)

Paediatric Cardiac Surgery Anaesthetist

21 Nov 2013-1 Dec 2013

Palestinian Children's Relief Found, Khan Yunes (Autonomous Palestinian Territories)
Pediatric Cardiac Intensive Care during humanitarian mission Pediatric Cardiac Surgery in European
Gaza Hospital
11 May 2012–20 May 2012
Palestinian Children's Relief Found, Jerusalem
Pediatric Cardiac Intensive Care during humanitarian mission Pediatric Cardiac Surgery in Al
Makassed Hospital of Jerusalem.
10 Jun 2011–19 Jun 2011
Palestinian Children Relief Found
Pediatric Cardiac Intensive Care during humanitarian mission Pediatric Cardiac Surgery in Al
Makassed Hospital of Jerusalem.
27 May 2010–3 Jun 2010
Vakhidov's Specialized Republican Center of Surgery, Tashkent (Uzbekistan)
Anesthesia and Intensive Care in educational mission on Adult Cardiac Surgery patient

● **TEACHING ROLES**

CURRENT

Teaching and Education

Since 2016 ECMO Course Director

Since 2018 Contract Professor for Università degli Studi di Milano Statale

Since 2019 Tutor at School of Medicine di Bergamo (Università degli studi di Milano Bicocca)

Il sottoscritto è a conoscenza che, ai sensi dell'art. 76 del DPR 445/2000, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali. Il sottoscritto autorizza al trattamento dei dati personali, secondo quanto previsto dal Regolamento UE n. 679/2016 – GDPR General Data Protection Regulation, D.Lgs 196/2003 modificato da D.Lgs 101/2018.