

# Dr. med. Francesca Porta

## Curriculum vitae



Fachärztin FMH Anästhesie und Reanimation  
Fachärztin FMH Intensivmedizin, EDIC I / II

Seit 03.2022	Stv. Leitende Ärztin Interdisziplinäre Intensivmedizin, Kantonsspital Graubünden (Dr. A. Wäckerlin)
08.2018 – 02.2022	Oberärztin Interdisziplinäre Intensivmedizin, Kantonsspital Graubünden (Dr. A. Wäckerlin)
2007 – 2018	Oberärztin Intensivstation, Krankenhaus La Spezia (Italien)
2006	Oberärztin Universitätsklinik für Intensivmedizin, Inselspital Bern
2004 - 2006	Assistenzärztin Universitätsklinik für Intensivmedizin, Inselspital Bern
2002 - 2004	Forschungstätigkeit, Forschung Universitätsklinik für Intensivmedizin, Inselspital Bern
2003	Post Graduate Title with honours degree, Hochschule für Anästhesie und Intensivmedizin, Universität Mailand
2001 - 2002	Assistenzärztin Anästhesie, Krankenhaus San Paolo, Mailand
1999 - 2001	Assistenzärztin Intensivmedizin, Krankenhaus San Paolo, Mailand (Prof. Iapichino Gaetano)
1999	Staatsexamen Humanmedizin (Italien)
1998	Erasmus-Socrates Austausch, Rudolf-Virchow-Krankenhaus, Humboldt Universität zu Berlin (März – Juli 1998)
1997 - 1999	Klinische Ausbildung und Vorbereitung auf das Staatsexamen, Intensivmedizin am Institut für Anästhesie und Intensivmedizin Krankenhaus San Paolo, Mailand
1995	Unterassistentin Filderklinik, Krankenhaus in Filderstadt, Stuttgart
1993 - 1999	Studium Humanmedizin, Universität Mailand, Italien
1993	Klassische Matura (A-Levels), Italien

## Thesis and publications:

### Graduation Thesis in Clinical Medicine

Measure of the level of therapeutic complexity of critically ill patients through the whole of their stay in an Intensive care Unit: a predictive model.

Supervisors: Chiar.mo Prof. Luciano Gattinoni  
Chiar.mo Prof. Gaetano Iapichino

### Post-Graduation Thesis (Anesthesia and Intensive Care Medicine)

Oxygen extraction is not impaired during endotoxemia

Supervisors: Chiar.mo Prof. Luciano Gattinoni  
Chiar.mo Prof. Gaetano Iapichino

## Original Publications

*Francesca Porta, Jukka Takala, Anna Kolarova, Yingmin Ma, Claudio A. Redaelli, Lukas Brander, Hendrik Bracht, Stephan M. Jakob*

Oxygen extraction in low-level endotoxemia after major abdominal surgery.

**Acta Anaesthesiol Scand. 2005 May;49(5):627-34.**

*Francesca Porta, Jukka Takala, Christian Weikert, Hendrik Bracht, Anna Kolarova, Bernhard H Lauterburg, Erika Borotto and Stephan M Jakob*

Effects of prolonged endotoxemia on liver, skeletal muscle and kidney mitochondrial function **Crit Care. 2006;10(4):R118.**

*Francesca Porta, Jukka Takala, Christian Weikert, Priska Kaufmann, Stephan Krahenbuhl, Stephan M. Jakob* **Effect of endotoxin, dobutamine and dopamine on muscle mitochondrial respiration in vitro** *J Endotoxin Res. 2006;12(6):358-66*

Porta F, Bracht H, Weikert C, Beck M, Takala J, Brandt S, Hildebrand LB, Jakob SM **Effects of endotoxin and catecholamines on hepatic mitochondrial respiration.** *Inflammation. 2009 Oct;32(5):315-21.*

Jeger V, Brandt S, Porta F, Jakob SM, Takala J, Djafarzadeh S. **Dose response of endotoxin on hepatocyte and muscle mitochondrial respiration in vitro.** *Biomed Res Int. 2015;*

Regueira T, Djafarzadeh S, Brandt S, Gorrasi J, Borotto E, Porta F, Takala J, Bracht H, Shaw S, Lepper PM, Jakob SM. **Oxygen transport and mitochondrial function in porcine septic shock, cardiogenic shock, and hypoxaemia.** *Acta Anaesthesiol Scand. 2012; 56(7):846-59*

Jakob SM1, Bracht H, Porta F, Balsiger BM, Brander L, Knuesel R, Feng HQ, Kolarova A, Ma Y, Takala J.

**Effects of cardiac preload reduction and dobutamine on hepatosplanchnic blood flow regulation in porcine endotoxemia.** Am J Physiol Gastrointest Liver Physiol. 2012;303(2):G247-55

Brügger LE, Beldi G, Stalder M, Porta F, Candinas D, Takala J, Jakob SM.

Postoperative splanchnic blood flow redistribution in response to fluid challenges in the presence and absence of endotoxemia in a porcine model.

Shock. 2012;37(1):116-21.

Wyler von Ballmoos M1, Takala J, Roeck M, Porta F, Tueller D, Ganter CC, Schröder R, Bracht H, Baenziger B, Jakob SM. **Pulse-pressure variation and hemodynamic response in patients with elevated pulmonary artery pressure: a clinical study.**

Crit Care. 2010;14(3):R111

Brügger LE, Beldi G, Beck M, Porta F, Bracht H, Candinas D, Takala J, Jakob SM. **Splanchnic vasoregulation after major abdominal surgery in pigs.** World J Surg. 2010 Sep;34(9):2057-63.

Brandt S, Regueira T, Bracht H, Porta F, Djafarzadeh S, Takala J, Gorrasi J, Borotto E, Krejci V, Hildebrand LB, Bruegger LE, Beldi G, Wilkens L, Lepper PM, Kessler U, Jakob SM. **Effect of fluid resuscitation on mortality and organ function in experimental sepsis models.** Crit Care. 2009;13(6):

Brunello AG, Haenggi M, Wigger O, Porta F, Takala J, Jakob SM. **Usefulness of a clinical diagnosis of ICU-acquired paresis to predict outcome in patients with SIRS and acute respiratory failure.** Intensive Care Med. 2010 Jan;36(1):66-74

Taniguchi Y, Bracht H, Porta F, Krejci V, Ali SZ, Beck M, Mettler D, Takala J, Jakob SM. **Thermodilution and esophageal Doppler ultrasound in the assessment of blood flow changes induced by endotoxin and dobutamine.** J Trauma. 2008 Jul;65(1):175-82.

Nyberg A, Jakob SM, Seeman-Lodding H, Porta F, Bracht H, Bischofberger H, Jern C, Takala J, Aneman A. **Time- and dose-related regional fluxes of tissue-type plasminogen activator in anesthetized endotoxemic pigs.** Acta Anaesthesiol Scand. 2008 Jan;52(1):57-64.

Knuesel R, Takala J, Brander L, Haenggi M, Bracht H, Porta F, Jakob SM. **Intraperitoneal microdialysis: critique of an editorial.** Crit Care Med. 2007 Jul;35(7):1802

Knuesel R, Takala J, Brander L, Haenggi M, Bracht H, Porta F, Jakob SM. **Membrane microdialysis: Evaluation of a new method to assess splanchnic tissue metabolism.** Critical Care Medicine 2006 Oct;34(10):2638-45

Bracht H, Hänggi M, Jeker B, Wegmüller N, Porta F, Tüller D, Takala J, Jakob SM. **Incidence of low central venous oxygen saturation during unplanned admissions in a multidisciplinary intensive care unit: an observational study.** Critical Care. 2007;11(1):R2

G. Iapichino, L. Ferla, A. Pezzi, F. Porta

**Radicali liberi e composti reattivi dell'ossigeno (ROS) nei pazienti critici.**

Rivista italiana di nutrizione parenterale ed enterale 2000 18(1):9-13.

Iapichino G, Radrizzani D, Bertolini G, Ferla L, Pezzi A, Porta F, Miranda DR

Daily classification of the level of care. A method to describe clinical course of illness, use of resources and quality in intensive care assistance

Intensive Care Med. 2001 Jan; 27 (+) 131-6

Iapichino G, Radrizzani D, Ferla L, Pezzi A, Porta F, Zanforlin G, Miranda DR.

Description of trends in the course of illness of critically ill patients. Markers of intensive care organization and performance.

**Intensive Care Med. 2002 Jul; 28(7): 985-9.**

Iapichino G, Gattinoni L, Simini B, Bertolini G, Ferla L, Mistraletti G, Porta F, Miranda DR

Volume of activity and occupancy rate in intensive care units. Association with mortality.

**Intensive Care Med. 2004 Feb;30(2):290-7.**

Iapichino G, Radrizzani D, Pezzi A, Assi E, Di Mauro P, Mistraletti G, Porta F.

**Evaluating daily nursing use and needs in the intensive care unit: a method to assess the rate and appropriateness of ICU resource use.**

Health Policy. 2005 Aug;73(2):228-34