

**NAME AND TITLE:** Jonathan Montomoli, MD, PhD

**TEL NO.:**

**E-MAIL:**

**DATE OF BIRTH:**

**NATIONALITY:**

**ESA MEMBERSHIP:**

**ESICM MEMBERSHIP:**

**LANGUAGES:** Italian (Native)  
English (Fluent)



**ACTUAL POSITIONS:**

- ✓ INTENSIVIST FOR THE COVID-19 OUTBREAK, HOSPITAL OF RIMINI, ITALY (FROM MARCH 2020)
- ✓ RESIDENT IN ANESTHESIOLOGY AND INTENSIVE CARE, ANCONA HOSPITAL, UNIVERSITY OF ANCONA, ITALY (FROM NOVEMBER 2016 - EXPECTED END: OCTOBER 2021)
- ✓ VISITING RESEARCHER AT THE DEPARTMENT OF ANESTHESIA, ST. ANTONIUS HOSPITAL NIEUWEGEIN, THE NETHERLANDS (FROM JUNE 2018)
- ✓ VISITING RESEARCHER AT THE DEPARTMENT OF INTENSIVE CARE, ERAMSUS HOSPITAL ROTTERDAM, THE NETHERLANDS (FROM JULY 2020)

**EMPLOYMENTS:**

- ✓ **RIMINI HOSPITAL, ITALY;** (MARCH 2020 – ONGOING)  
Intensivist for the COVID-19 outbreak - Department of Anesthesia and Intensive Care
- ✓ **ANCONA HOSPITAL, UNIVERSITY OF ANCONA, ITALY;** (NOVEMBER 2016 - ONGOING)  
Resident in Anesthesiology and Intensive care
- ✓ **HOSPITAL OF SAN MARINO, REPUBLIC OF SAN MARINO;** (JUNE 2015-OCTOBER 2016)  
Medical doctor, Emergency Department
- ✓ **AARHUS UNIVERSITY, DENMARK;** (MARCH 2015-MAY 2015)  
Research Assistant, Department of Clinical Epidemiology
- ✓ **AARHUS UNIVERSITY, DENMARK;** (JULY 2011-JULY 2014).  
PhD fellow, Department of Clinical Epidemiology
- ✓ **AARHUS UNIVERSITY, DENMARK;** (SEPTEMBER 2010- JUNE 2011).  
Researcher fellow, Department of Clinical Epidemiology
- ✓ **HOSPITAL OF RIMINI AND HOSPITAL OF SANTARCANGELO, ITALY;** (JULY 2009-AUGUST 2010).  
Medical Doctor, Emergency Department

**EDUCATION AND TRAINING:**

- ✓ **CAREER DEVELOPMENT – NEXT (ESICM)**  
Fellowship “Infections in ICU: Modern Management” – Barcelona 10-14 December 2018  
Fellowship “Acute Respiratory Distress Syndrome Management” – Rotterdam 26-30 March 2018
- ✓ **VISITOR RESEARCHER AT THE ACADEMIC MEDICAL CENTER (AMC), AMSTERDAM; (MARCH 2018 – DECEMBER 2020)**  
From March to November 2018: visiting period for a research project on “The use of sublingual microcirculation monitoring in patients undergoing cardiac surgery for control of the fluid balance” - Supervisor: Prof. Can Ince
- ✓ **AARHUS UNIVERSITY (2011-2014): PHD**  
Dissertation Title: “Short-term prognosis after colorectal surgery: the impact of liver disease and serum albumin” - Public defense of the PhD thesis took place on October 21st, 2014.  
Supervisor: Prof. Henrik Toft Sørensen
- ✓ **ITALIAN RESUSCITATION COUNCIL:**  
Full Instructor: Advance Life Support (ALS), Immediate Life Support (ILS)  
Provider: European Pediatric Immediate Life Support (EPILS).
- ✓ **BOLOGNA UNIVERSITY (2002-2009): COMPLETED MEDICAL SCHOOL (INCLUDED NATIONAL EXAM)**  
Final mark: 110/110 with distinction - Thesis: “Body composition changes after Transjugular intrahepatic portosystemic shunt in patients with cirrhosis”  
Supervisor: Prof. Marco Zoli
- ✓ **AARHUS UNIVERSITY (MARCH 2008 – MAY 2008): DEPARTMENT OF MEDICINE V (HEPATOLOGY & GASTROENTEROLOGY)**  
Clinical work and preparation of bachelor thesis - Supervisor: Prof. Hendrik Vilstrup
- ✓ **NEW UNIVERSITY OF LISBON (SEPTEMBER 2005-AUGUST 2006): ERASMUS EXCHANGE PROJECT**

**OTHER**

- ✓ **BOARD MEMBER OF THE THE RISK STRATIFICATION IN COVID-19 PATIENTS IN THE ICU (RISC-19-ICU) REGISTRY** - <https://www.risc-19-icu.net/main-page>
- ✓ **TEACHING ALS AND ILS COURSES (FULL INSTRUCTOR FOR THE ITALIAN RESUSCITATION COUNCIL)**
- ✓ **FACULTY MEMBER OF THE MICROCIRCULATORY ACADEMY (TEACHING ACTIVITY, RESEARCH PROJECTS SUPERVISION)**
- ✓ **SUPERVISION OF MEDICAL STUDENTS AND RESIDENTS IN THEIR RESEARCH ACTIVITIES**
- ✓ **BASIC COURSE IN HEALTH SCIENCES (OCTOBER 2013 – APRIL 2014)**  
Teaching on behalf the PhD Association at Health, Faculty of Health Sciences, Aarhus University

- ✓ **INTRODUCTION COURSE ON BASIC EPIDEMIOLOGY (AUGUST 2013 – FEBRUARY 2014)**

Department of Clinical Epidemiology, Aarhus University Hospital

### **GRANTS**

September 2017: Grant of 15.000 euros obtained by the ITALIAN SOCIETY OF ANESTHESIOLOGY, ANALGESIA, RESUSCITATION AND INTENSIVE CARE (S.I.A.A.R.T.I.) for a research project on fluid balance monitoring at AMC (Prof. Can Ince)

### **RESEARCH INTERESTS**

- ✓ **MICROCIRCULATION MONITORING**
- ✓ **LIVER DISEASE**
- ✓ **HUMAN SERUM ALBUMIN**
- ✓ **SEPSIS**
- ✓ **MACHINE LEARNING**

### **WEBPAGES**

Peer review summary: <https://publons.com/author/312155/jonathan-montomoli>

<https://www.linkedin.com/in/jonathanmontomoli/>

<https://scholar.google.it/citations?user=r3p8Lr0AAAAJ&hl=it>

**LIST OF PUBLICATIONS:**

- Wendel Garcia PD, Aguirre-Bermeo H, Buehler PK, Alfaro-Farias M, Yuen B, David S, Tschoellitsch T, Wengenmayer T, Korsos A, Fogagnolo A, Kleger GR, Wu MA, Colombo R, Turrini F, Potalivo A, Rezoagli E, Rodríguez-García R, Castro P, Lander-Azcona A, Martín-Delgado MC, Lozano-Gómez H, Ensner R, Michot MP, Gehring N, Schott P, Siegemund M, Merki L, Wiegand J, Jeitziner MM, Laube M, Salomon P, Hillgaertner F, Dullenkopf A, Ksouri H, Cereghetti S, Grazioli S, Bürkle C, Marrel J, Fleisch I, Perez MH, Baltussen Weber A, Ceruti S, Marquardt K, Hübner T, Redecker H, Studhalter M, Stephan M, Selz D, Pietsch U, Ristic A, Heise A, Meyer Zu Bentrup F, Franchitti Laurent M, Fodor P, Gaspert T, Haberthuer C, Colak E, Heuberger DM, Fumeaux T, **Montomoli J**, Guerci P, Schuepbach RA, Hilty MP, Roche-Campo F; RISC-19-ICU Investigators. Implications of early respiratory support strategies on disease progression in critical COVID-19: a matched subanalysis of the prospective RISC-19-ICU cohort. *Crit Care*. 2021 May 25;25(1):175. doi: 10.1186/s13054-021-03580-y.
- Grieco DL, Menga LS, Cesarano M, Rosà T, Spadaro S, Bitondo MM, **Montomoli J**, Falò G, Tonetti T, Cutuli SL, Pintaudi G, Tanzarella ES, Piervincenzi E, Bongiovanni F, Dell'Anna AM, Delle Cese L, Berardi C, Carelli S, Bocci MG, Montini L, Bello G, Natalini D, De Pascale G, Velardo M, Volta CA, Ranieri VM, Conti G, Maggiore SM, Antonelli M; COVID-ICU Gemelli Study Group. Effect of Helmet Noninvasive Ventilation vs High-Flow Nasal Oxygen on Days Free of Respiratory Support in Patients With COVID-19 and Moderate to Severe Hypoxemic Respiratory Failure: The HENIVOT Randomized Clinical Trial. *JAMA*. 2021 May 4;325(17):1731-1743. doi: 10.1001/jama.2021.4682. PMID: 33764378
- Henzi A, Kleger GR, Hilty MP, Wendel Garcia PD, Ziegel JF; RISC-19-ICU Investigators for Switzerland (RISC-19-ICU Investigators for Switzerland: **Montomoli J**). Probabilistic analysis of COVID-19 patients' individual length of stay in Swiss intensive care units. *PLoS One*. 2021 Feb 19;16(2):e0247265. doi: 10.1371/journal.pone.0247265. eCollection 2021.
- **Montomoli J**. Raccolta e divulgazione delle evidenze scientifiche ai tempi della pandemia COVID-19. *Annuario ASMI*. Published online 2020:219-229. doi:10.53153/annuarioasmi-2020-montomoli
- Potalivo A, **Montomoli J**, Facondini F, Sanson G, Lazzari Agli LA, Perin T, Cristini F, Cavagna E, De Giovanni R, Biagetti C, Panzini I, Ravaiolo C, Bitondo M, Guerra D, Giuliani G, Mosconi E, Guarino S, Marchionni E, Gangitano G, Valentini I, Giampaolo L, Muratore F, Nardi G. Sixty-day mortality among 520 Italian hospitalized COVID-19 patients according to the adopted ventilatory strategy in the context of an integrated multidisciplinary clinical organization: a population-based cohort study. *Clin Epidemiol*. 2020 Dec 30;12:1421-1431. doi: 10.2147/CLEP.S278709. eCollection 2020. PMID: 33408529
- Carsetti A, Damiani E, Casarotta E, Scorcella C, Domizi R, **Montomoli J**, Gasparri F, Gabbanelli V, Pantanetti S, Carozza R, Adrario E, Donati. Sublingual microcirculation in patients with SARS-CoV-2 undergoing veno-venous extracorporeal membrane oxygenation. *A.Microvasc Res*. 2020 Nov;132:104064. Epub 2020 Aug. PMID: 3284162
- Hilty MP, Akin S, Boerma C, Donati A, Erdem Ö, Giaccaglia P, Guerci P, Milstein DM, **Montomoli J**, Toraman F, Uz Z, Veenstra G, Ince C. Automated Algorithm Analysis of Sublingual Microcirculation in an International Multicenter Database Identifies Alterations Associated With Disease and Mechanism of Resuscitation. *Crit Care Med*. 2020 Oct;48(10):e864-e875. doi: 10.1097/CCM.0000000000004491. PMID: 32931192
- Ammirati E, Brambatti M, Braun OÖ, Shah P, Cipriani M, Bui QM, Veenis J, Lee E, Xu R, Hong KN, Van de Heyning CM, Perna E, Timmermans P, Cikes M, Brugts JJ, Veronese G, Minto J, Smith S, Gjesdal G, Gernhofer YK, Partida C, Potena L, Masetti M, Boschi S, Loforte A, Jakus N, Milicic D, Nilsson J, De Bock D, Sterken C, Van den Bossche K, Rega F, Tran H, Singh R, **Montomoli J**, Mondino M, Greenberg B, Russo CF, Pretorius V, Liviu K, Frigerio

M, Adler ED. Outcome of patients on heart transplant list treated with a continuous-flow left ventricular assist device: Insights from the TRAns-Atlantic registry on VAd and TrAnsplant (TRAViATA). *Int J Cardiol.* 2020 Sep; S0167-5273(20)33807-9. Online ahead of print. PMID: 32950592

- Nardi G, Sanson G, Tassinari L, Guiotto G, Potalivo A, **Montomoli J**, Schiraldi F. Lactate Arterial-Central Venous Gradient among COVID-19 Patients in ICU: A Potential Tool in the Clinical Practice. *Crit Care Res Pract.* 2020 Sep; 2020: 4743904. eCollection 2020. PMID: 33014462
- Wendel Garcia PD, Fumeaux T, Guerci P, Heuberger DM, **Montomoli J**, Roche-Campo F, Schuepbach RA, Hilty MP, RISC-19-ICU Investigators. Prognostic Factors Associated with Mortality Risk and Disease Progression in 639 Critically Ill Patients with COVID-19 in Europe: Initial Report of the International RISC-19-ICU prospective observational cohort. *EClinicalMedicine.* 2020 Aug;100449. PMID: 32838231
- Favaron E, **Montomoli J**, Hilty MP, Ince C. Fluid management in the perioperative setting: mind the kidney. *J Emerg Crit Care Med* 2019;3:50.
- **Montomoli J**, Donati A, Ince C. Acute Kidney Injury and Fluid Resuscitation in Septic Patients: Are We Protecting the Kidney? *Nephron* 143 (3), 170-173. PMID: 31394531
- **Montomoli J**, Donati A, Ince C. Should albumin be the colloid of choice for fluid resuscitation in hypovolemic patients? *Annual Update in Intensive Care and Emergency Medicine.* 2019, 277-292
- **Montomoli J**, Erichsen R, Gammelager H, Pedersen AB. Liver disease and mortality among patients with hip fracture: A population-based cohort study. *Clin Epidemiol.* 2018 Aug 21;10:991-1000.
- Naldi M, Baldassarre M, Domenicali M, Giannone FA, Bossi M, **Montomoli J**, Sandahl T, Glavind E, Vilstrup H., Caraceni P, Bertucci C. Mass spectrometry characterization of circulating human serum albumin microheterogeneity in patients with alcoholic liver failure. *J Pharm Biomed Anal.* 2016 Apr 15;122:141-7. PMID: 26852162
- **Montomoli J**, Erichsen R, Antonsen S, Nilsson T, Sørensen HT. Impact of preoperative serum albumin on 30-day mortality following surgery for colorectal cancer: a population-based cohort study. *BMJ Open Gastroenterol.* 2015 Aug 4;2:e000047. PMID: 26462287
- **Montomoli J**, Erichsen R, Søgaard KK, Körmendiné Farkas D, Bloch Münster AM, Sørensen HT. Venous thromboembolism and subsequent risk of cancer in patients with liver disease: a population-based cohort study. *BMJ Open Gastroenterol.* 2015 Jun 18;2:e000043. PMID: 26462285
- Søgaard KK, Horváth-Puhó E, **Montomoli J**, Vilstrup H, Sørensen HT. Cirrhosis is Associated with an Increased 30-Day Mortality After Venous Thromboembolism. *Clin Transl Gastroenterol.* 2015;2;6:e97. PMID: 26133110
- **Montomoli J**, Erichsen R, Strate LL, Pedersen L, Nilsson T, Sørensen HT. Coexisting Liver Disease Is Associated with Increased Mortality After Surgery for Diverticular Disease. *Dig Dis Sci.* 2015 Jun;60:1832-40. PMID: 25559756
- Platon AM, Erichsen R, Christiansen CF, Andersen LK, Sværke C, **Montomoli J**, Sørensen HT. The impact of chronic obstructive pulmonary disease on intensive care unit admission and 30-day mortality in patients undergoing colorectal cancer surgery: A Danish population-based cohort study. *BMJ Open Respiratory Research* 2014; *BMJ Open Resp Res* 2014;1:e000036. PMID: 25478184

- Lund JL, **Montomoli J**. Common flaws in pharmacoepidemiologic study design and analysis. *J Clin Oncol*. 2013 Nov 10;31:4161-2. PMID: 24081941
- **Montomoli J**, Erichsen R, Christiansen CF, Ulrichsen SP, Pedersen L, Nilsson T, Sorensen HT. Liver disease and 30-day mortality after colorectal cancer surgery: A Danish population-based cohort study. *BMC Gastroenterol* 2013; 13:66. PMID: 23586850
- Veronese G, **Montomoli J**, Schmidt M, Horvath-Puho E, Sorensen HT. Statin use and risk of atrial fibrillation or flutter: A population-based case-control study. *Am J Ther*. 2015;22:186-94. PMID: 23567792
- **Montomoli J**, Hamilton-Dutoit SJ, Froslev T, Taylor A, Erichsen R. Retrospective analysis of KRAS status in metastatic colorectal cancer patients: A single-center feasibility study. *Clin Exp Gastroenterol* 2012;5:167-71. PMID: 23028236
- **Montomoli J**, Lazzarini D, Morolli L, Ioli G. A strange case of cervical pain. *Health* 2012;4:285-7. DOI: 10.4236/health.2012.45047
- Lazzarini D, Cangiotti C, Morolli L, Morelli S, **Montomoli J**, Ioli G, Venturi P, Piovaccari G. Tako-tsubo cardiomyopathy after femur fracture. *Health* 2012;4:228-32. DOI: 10.4236/health.2012.44036
- **Montomoli J**, Erichsen R, Norgaard M, Hoyer M, Hansen JB, Jacobsen JB. Survival of patients with primary liver cancer in central and northern Denmark, 1998-2009. *Clin Epidemiol* 2011; 3:3-10. PMID: 21814464
- Morolli L, **Montomoli J**, Lazzarini D, Ioli G. A strange case of normocytic anemia. *Health* 2010;2:1170-73. DOI: 10.4236/health.2010.210171
- Lazzarini, D, Morolli L, **Montomoli J**, Ioli G. Myocardial infarction in antiphospholipid antibody syndrome. *Health* 2010;2:1085-86. DOI: 10.4236/health.2010.29159
- **Montomoli J**, Holland-Fischer P, Bianchi G, Gronbaek H, Vilstrup H, Marchesini G, Zoli M. Body composition changes after transjugular intrahepatic portosystemic shunt in patients with cirrhosis. *World J Gastroenterol* 2010;16:348-53. PMID: 20082481

Rimini, 18/06/2021

