Lung-protective ventilation in intensive care unit and operation room
*Tidal volume size, level of positive end-expiratory pressure and driving pressure*
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Submitted manuscripts

Potentially modifiable factors contributing to outcome in patients without ARDS under invasive mechanical ventilatory support – a secondary analysis of PRoVENT.

Impact of ventilator settings in patients with ARDS undergoing extracorporeal carbon dioxide removal: A pooled individual patient data analysis.

Subphenotypes in patients undergoing general anesthesia for ventilation during open abdominal surgery: An unbiased cluster analysis from the PROVHIL0 trial.

Risk stratification Using SpO₂ to FiO₂ ratios and PEEP at Initial ARDS Diagnosis and after 24 Hours in Patients with Moderate or Severe ARDS.
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Peri-operative blood transfusion and higher tidal volumes are independently associated with the development of postoperative ARDS: An individual data meta-analysis of studies of protective ventilation for surgery. Poster presentation at American Thoracic Society (ATS) International Conference

Practice of ventilation in critically ill patients without ARDS at start of mechanical ventilation (PRevENT) – An international observational study. Oral presentation at Annual Congress of the European Society of Intensive Care Medicine

Associations between ventilator settings during extracorporeal membrane oxygenation and outcome in patients with acute respiratory distress syndrome: A pooled individual patients data analysis. Oral presentation at Annual Congress of the European Society of Intensive Care Medicine

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VII International Symposium on Intensive Care and Emergency for Latin America
American Thoracic Society International Conference
Annual Update in Anesthesia and Perioperative Care
VIII International Symposium on Intensive Care and Emergency for Latin America
The Update on Intraoperative Ventilation: Shining light on the latest developments 2015 0.75
Euroanesthesia
Annual Congress of the European Society of Intensive Care Medicine 2016 0.75
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**Lecturing**
Set up ventilator parameters in Normal Lungs. Lecture at VIII International Symposium on Intensive Care and Emergency for Latin America 2015 0.5
The new player on the field – Driving pressure. Lecture at The Update on Intraoperative Ventilation: Shining light on the latest developments 2015 0.5
Postoperative pulmonary complications: lessons from observational studies on mechanical ventilation. Lecture at Euroanaesthesia 2017 0.5

**Other activities**
Professor of Epidemiology in the Post-Graduation at Hospital Israelita Albert Einstein 2014 – 13.5
Professor of Biostatistics in the Post-Graduation at Hospital Israelita Albert Einstein 2014 – 13.5
Intensive Care Journal Club (weekly) 2015 – 13.5
Coordinator of the Discipline of Biostatistics in the Post-Graduation at Hospital Israelita Albert Einstein 2017 – 13.5
Parameters of esteem

Grants
Scientific Initiation Grant from the Programa Institucional de Bolsas de Iniciação Científica (PIBIC/CNPq) 2008
Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq) Research Grant for “PROBESE trial” 2016
Fundação do Amparo a Pesquisa no Estado de São Paulo (FAPESP) Research Grant for the study “Necroptosis in Septic Patients” 2016
The Netherlands Organisation for Health Research and Development (ZonMw) Research Grant for “RELAx trial” 2016

Awards
Award in Academic Congress, Faculdade de Medicina do ABC, São Paulo 2008
Award in Academic Congress, Faculdade de Medicina do ABC, São Paulo 2009
Award Researcher of the Future, Sociedade Brasileira de Profissionais de Pesquisa Clínica, São Paulo 2009
Award in Academic Congress, Faculdade de Medicina do ABC, São Paulo 2010
Professor Eric Roger Wroclawski Award, Sociedade Beneficente Israelita Albert Einstein, São Paulo 2010
Professor Eric Roger Wroclawski Award, Sociedade Beneficente Israelita Albert Einstein, São Paulo 2011
Resident Honored by the XXXVIII Class, Faculdade de Medicina do ABC, São Paulo 2011
Curriculum Vitae

Ary Serpa Neto was born on 08 July 1985 in São Paulo, Brazil, where he spent his whole life until now. Ary graduated from high-school at the Pueri Domus in São Paulo. In 2004 he commenced with her Medical studies at the Faculdade de Medicina do ABC, São Paulo, Brazil. During his studies he had a special interest in Critical Care and Oncology. After obtaining his doctors degree in 2009 he started residence in Internal Medicine at the same University, which finished in 2012. In 2014 he graduated an intensivist in Hospital Israelita Albert Einstein. Since then, he works as a physician in the Department of Critical Care at the Hospital Israelita Albert Einstein and as a researcher in the Research Institute at the same hospital. Meanwhile, dr. Serpa Neto had become acquainted with prof. dr. Marcus J. Schultz (Amsterdam, the Netherlands), who supervised the work presented in this thesis together with prof. dr. Paolo Pelosi (Genoa, Italy) and prof. dr. Marcelo Gama de Abreu (Dresden, Germany). Next to his clinical activities, dr. Serpa Neto is actively involved in several running research projects related to this PhD projects, and other projects under the umbrella of the ‘PROtective VEntilation (PROVE) network (www.provenet.eu).
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