Lung-protective ventilation in intensive care unit and operation room
Serpa Neto, A.

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Publications A Serpa Neto


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*Crit Care* 2017; 21:114-6

The LAS VEGAS study Investigators for the PROVE Network, and the Clinical Trial Network of the European Society of Anaesthesiology; Hemmes SNT, **Serpa Neto A**, Gama de Abreu M, Pelosi P, Schultz MJ.
Epidemiology, practice of ventilation and outcome for patients at increased risk of postoperative pulmonary complications (LAS VEGAS): An observational study in 29 countries.
*Eur J Anaesthesiol* 2017; 34:1-16

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Known and Unknown Potentially Modifiable Factors Contributing to Outcome in Brain Injured Patients who Need Mechanical Ventilatory Support.

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Hemmes SNT, Ball L, **Serpa Neto A**, Gama de Abreu M, Pelosi P, Schultz MJ.
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Ponzoni CR, Corrêa TD, Filho RR, **Serpa Neto A**, Assunção MS, Pardini A, Schettino GP.
Readmission to Intensive Care Unit: Incidence, Risk Factors, Resource Use and Outcomes: A Retrospective Cohort Study.
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‘Lung-Protective’ Ventilation in ARDS: Still a Challenge?
*J Thorac Dis* 2017; [in press]
Serpa Neto A, Mekontso Dessap A, Papazian L.
Focus on ARDS.
*Intensive Care Med* 2017; [in press]

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 PROVHILO 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.
PhD portfolio

*PhD student:* A. Serpa Neto  
*Supervisors:* Prof. dr. M.J. Schultz and prof. dr. P. Pelosi  
*PhD period:* September 2016 – September 2017

PhD Training

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<th>Presentations</th>
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<td>Use of lung-protective strategy of ventilation to prevent acute respiratory distress syndrome in critically ill patients under mechanical ventilation: An individual data meta-analysis of 2,184 patients. Poster at American Thoracic Society (ATS) International Conference</td>
<td>2014</td>
<td>0.5</td>
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<td>Peri-operative blood transfusion and higher tidal volumes are independently associated with th 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</td>
<td>2014</td>
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<td>Practice of ventilation in critically ill patients without ARDS at start of mechanical ventilation (PRoVENT) – An international observational study. Oral presentation at Annual Congress of the European Society of Intensive Care Medicine</td>
<td>2016</td>
<td>0.3</td>
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<tr>
<td>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</td>
<td>2016</td>
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International conferences

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<tr>
<td>VII International Symposium on Intensive Care and Emergency for Latin America</td>
<td>2013</td>
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<tr>
<td>American Thoracic Society International Conference</td>
<td>2014</td>
<td>0.75</td>
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<tr>
<td>Annual Update in Anesthesia and Perioperative Care</td>
<td>2014</td>
<td>0.75</td>
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<tr>
<td>VIII International Symposium on Intensive Care and Emergency for Latin America</td>
<td>2015</td>
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The Update on Intraoperative Ventilation: Shining light on the latest developments
Euroanesthesia 2015 0.75
Annual Congress of the European Society of Intensive Care Medicine 2016 0.75
IX International Symposium on Intensive Care and Emergency for Latin America
Euroanesthesia 2017 0.75

Teaching

**Student coaching and mentoring**
Scientific Initiation, Medicine, Faculdade de Medicina do ABC (Felipe Ko Chen) 2016 1.0
Scientific Initiation, Medicine, Faculdade de Medicina do ABC (Philippe Franco do Amaral Tafner) 2016 1.0
Scientific Initiation, Medicine, Hospital Israelita Albert Einstein (Leticia Meneghini) 2016 1.0
Scientific Initiation, Medicine, Hospital Israelita Albert Einstein (Vittorio D'Angelo) 2017 1.0
Master’s Degree, Health Science, Hospital Israelita Albert Einstein (Carina Sant’Anna A Azevedo) 2016 1.0
Master’s Degree, Health Science, Hospital Israelita Albert Einstein (Carin Ferreira Lopes) 2016 1.0
Master’s Degree, Health Science, Hospital Israelita Albert Einstein (Rafael Ladeira Rosa Bocchile) 2016 1.0
Master’s Degree, Health Science, Hospital Israelita Albert Einstein (Camila de Menezes Succi) 2016 1.0
Master’s Degree, Health Science, Hospital Israelita Albert Einstein (David Pablo da Cunha Jolvino) 2017 1.0

**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

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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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