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**Airton Leonardo de Oliveira Manoel, MD, PhD**

* Doctor of Medicine (MD), 2005, Federal University of Sao Paulo, Brazil
* Internal Medicine Residency, 2007- 2009, Federal University of Sao Paulo, Brazil
* Critical Care Medicine Residency, 2009 - 2011, Albert Einstein Hospital, Brazil
* Clinical Fellowship in Adult Critical Care Medicine, 2011 - 2014, University of Toronto
* PhD, 2017, Science, Department of Neurology and Neuroscience, Federal University of Sao Paulo, Brazil

Dr. Airton Leonardo received his medical degree, and completed an Internal Medicine Residency at Federal University of Sao Paulo, Brazil. His internal medicine training was followed by a Critical Care Residency at Albert Einstein Hospital in Sao Paulo. He received additional training in adult critical care, trauma, and neurocritical care at University of Toronto, from 2011 to 2014, where he also completed a fellowship in Quality Improvement and Patients Safety. In 2017, he was granted a PhD in Science from the Department of Neurology and Neurosciences at Federal University of Sao Paulo, Brazil.

He has 42 peer-reviewed publications and supervised numerous fellows, residents and students. His research focuses on the outcomes of severe subarachnoid hemorrhage and traumatic brain injury, and also the end-of-life care issues in the ICU.

Currently, Dr. Airton Leonardo is a Senior Consultant in the Department of Intensive Care Medicine at Sultan Qaboos Comprehensive Cancer Care and Research Centre.

*Best five Publications:*

1. Zampieri FG, Machado FR, Biondi RS, Freitas FGR, Veiga VC, Figueiredo RC Lovato WJ, Amêndola CP, Assunção MSC, Serpa-Neto A, Paranhos JLR, Andrade J, Godoy MMG, Romano E, Dal Pizzol F, Silva EB, Silva MML, Machado MCV, Malbouisson LMS, **Manoel ALO**, Thompson MM, Figueiredo LM, Soares RM, Miranda TA, de Lima LM, Santucci EV, Corrêa TD, Azevedo LCP, Kellum JA, Damiani LP, Silva NB, Cavalcant AB; BaSICS investigators and the BRICNet members. **Effect of Slower vs Faster Intravenous Fluid Bolus Rates on Mortality in Critically Ill Patients: The BaSICS Randomized Clinical Trial.** JAMA. 2021 Sep 7;326(9):830-838. doi:10.1001/jama.2021.11444. PMID: 34547081; PMCID: PMC8356145.
2. Zampieri FG, Machado FR, Biondi RS, Freitas FGR, Veiga VC, Figueiredo RC, Lovato WJ, Amêndola CP, Serpa-Neto A, Paranhos JLR, Guedes MAV, Lúcio EA, Oliveira-Júnior LC, Lisboa TC, Lacerda FH, Maia IS, Grion CMC, Assunção MSC, **Manoel ALO**, Silva-Junior JM, Duarte P, Soares RM, Miranda TA, de Lima LM, Gurgel RM, Paisani DM, Corrêa TD, Azevedo LCP, Kellum JA, Damiani LP, Brandão da Silva N, Cavalcanti AB; BaSICS investigators and the BRICNet members. **Effect of Intravenous Fluid Treatment With a Balanced Solution vs 0.9% Saline Solution on Mortality in Critically Ill Patients: The BaSICS Randomized Clinical Trial.** JAMA. 2021 Aug 10;326(9):1–12. doi: 10.1001/jama.2021.11684. Epub ahead ofprint. PMID: 34375394; PMCID: PMC8356144.
3. Furtado RHM, Berwanger O, Fonseca HA, Corrêa TD, Ferraz LR, Lapa MG, Zampieri FG, Veiga VC, Azevedo LCP, Rosa RG, Lopes RD, Avezum A, **Manoel ALO**, Piza FMT, Martins PA, Lisboa TC, Pereira AJ, Olivato GB, Dantas VCS, Milan EP, Gebara OCE, Amazonas RB, Oliveira MB, Soares RVP, Moia DDF, Piano LPA, Castilho K, Momesso RGRAP, Schettino GPP, Rizzo LV, Neto AS, Machado FR, Cavalcanti AB; COALITION COVID-19 Brazil II Investigators. **Azithromycin in addition to standard of care versus standard of care alone in the treatment of patients admitted to the hospital with severe COVID-19 in Brazil (COALITION II): a randomised clinical trial.**Lancet. 2020 Sep 4:S0140-6736(20)31862-6. doi: 10.1016/S0140-6736(20)31862-6. Epub ahead of print. PMID: 32896292.
4. **de Oliveira Manoel AL**, Goffi A, Marotta TR, Schweizer TA, Abrahamson S, Macdonald RL. **The critical care management of poor-grade subarachnoid haemorrhage.**Crit Care. 2016 Jan 23;20:21. doi:10.1186/s13054-016-1193-9. PMID:26801901; PMCID: PMC4724088.
5. **de Oliveira Manoel AL**, Jaja BN, Germans MR, Yan H, Qian W, Kouzmina E, Marotta TR, Turkel-Parrella D, Schweizer TA, Macdonald RL; SAHIT collaborators. **The VASOGRADE: A Simple Grading Scale for Prediction of Delayed Cerebral Ischemia After Subarachnoid Hemorrhage.**Stroke. 2015 Jul;46(7):1826-31. doi:10.1161/STROKEAHA.115.008728. Epub 2015 May 14. PMID:25977276.