CURRICULUM VITAE



PERSONAL INFORMATION

André DOS SANTOS ROCHA

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WORK EXPERIENCE

Nov 2023 - present	**Anaesthesiology** – attending physician & consultant, North Lisbon University Hospital Centre, ULS Santa Maria
2014 – 2023	**Anaesthesiology & Intensive Care** – residency, Hôpitaux Universitaires de Genève (HUG) & Centre Hospitalier Universitaire Vaudois (CHUV), Lausanne (Switzerland)

EDUCATION AND TRAINING

2023	**Post-graduate Medical Speciality title in Anaesthesiology**
2017 –2021	**MD – PhD, doctorate in medical sciences** Unit for Anaesthesiological Investigations - Department of Anaesthesiology, Pharmacology and Intensive Care, University of Geneva: *"Benefits of physiologically variable ventilation in improving respiratory function in healthy and diseased lungs"*
2010–2013	**MD thesis / Masters in Medicine (MSc)** Angiogenesis Unit, Centro Académico de Medicina de Lisboa (CAML), Lisbon (Portugal) "*Arteriogenesis promotion by low doses of ionizing radiation in hindlimb ischemia"*
2007–2013	**Medical Degree |** Faculty of Medicine, University of Lisbon, Lisbon (Portugal)

PERSONAL SKILLS

Organisational / management skills

2026 – present – Clinical Lead, Acute Pain Unit, North Lisbon University Hospital Centre, ULS Santa Maria

2026 – present – Co-coordinator, Vascular Access Multidisciplinary Team, North Lisbon University Hospital Centre, ULS Santa Maria

2026 – present – Secretary, Simulation section and Research section, Portuguese Society of Anaesthesiology (SPA, spanestesiologia.pt)

2025 – present – Director, University Clinic of Anaesthesiology and Reanimation, Faculdade de Medicina, Universidade de Lisboa

2025-2029 – Elected Member, Medical School Council – Faculdade de Medicina, ULisboa

2024 - present – Vice-Director, MUHCRI -*Medicine.ULisboa for Health, Clinical Research and Innovation* – Research Institute Hub from Faculdade de Medicina, ULisboa

2024 – **present –** Responsible Professor and Clinical Lead of pre- / post-grad courses in Anaesthesiology and Life Support at Faculty of Medicine ULisboa

2022 – **2023** – General Secretary of the Swiss Anaesthesia Trainees' Committee - Swiss Society for Anaesthesia and Perioperative Medicine (SSAPM)

Job-related skills

- Clinical research, ethics, statistics, preclinical research, animal experimental techniques
- Technical skills in Advanced Life Support, resuscitation protocols and out-of-hospital care
- Pedagogical skills, teaching experience and scientific events' organisation

Affiliations

2018 – present	Portuguese Society of Anaesthesiology (*spanestesiologia.pt*, SPA member).
2024- present	Anaesthesiology and Reanimation University Clinic, *Medicine.ULisboa for Health, Clinical Research and Innovation,* Faculdade de Medicina, ULisboa
2018 – present	European Society for Anaesthesiology and Intensive Care (ESAIC member ID: 232374).
2017 – 2024	Unit for Anaesthesiological Investigations, University of Geneva (research fellow)
2019 – 2022	European MD-PhD Association (EMPA – president elected)

	2009 – 2014	Angiogenesis Unit, Instituto de Medecina Molecular – Lisbon (MD/MSc researcher).
Teaching	2026 – present	Trainer on *Meet-the-Expert* on Ventilation, Course Foundations of Anaesthesiology, Faculdade de Medicina, Universidade do Porto
	2024 – present	Master thesis supervisor of >10 students from Masters' Degree in Medicine, ULisboa.
	2023 – present	Invited Assistant Professor of Anaesthesiology, Faculty of Medicine – University of Lisbon
	2022 – 2023	Problem-based clinical learning teacher - Respiration Unit, University of Geneva

Organizer / Trainer of 10 post-graduate courses at FMUL / ULS Santa Maria

- *Advanced Airway, Neck-rescue, Ultrasound-guided regional anaesthesia, Critical Events, Perioperative Care, Burnt patient, US-guided vasculare accesses, Medical Emergencies, ICU basics, Mechanical Ventilation.*

PUBLICATIONS – last 5 years

- Alexandre D, Torres N, Lança F, **Dos Santos Rocha A,** Epidural analgesia as a bridge to surgery in refractory ischaemic priapism: a case report and review of reported neuraxial approaches. (acepted for publication on 18 Sept 2026, Eur J Anaesthesiol Intensive Care).

- Tizzoni P, Eichenberger A, Ricoeur A, **Dos Santos Rocha A,** La jet-ventilation à haute fréquence en radiologie interventionnelle, Rev Med Suisse, 2025/923 (Vol.21), p. 1295–1298. DOI: 10.53738/REVMED.2025.21.923. 46816.

- **Dos Santos Rocha A**, Betello M, Nikolaou A, Südy R, Albu G, Schiffer E. Failure of neuromuscular blockade despite high doses of rocuronium and atracurium in a patient with colorectal carcinoma: A case report. Eur J Anaesthesiol. 2025 Jan 1;42(1):73-76. doi: 10.1097/EJA.0000000000002076.

- Wozniak H, Beckmann TS, **Dos Santos Rocha A**, Pugin J, Heidegger CP, Cereghetti S. Long-stay ICU patients with frailty: mortality and recovery outcomes at 6 months. Ann Intensive Care. 2024 Feb 24;14(1):31. doi: 10.1186/s13613-024-01261-x.

- Cools E, Gisselbaek M, **Dos Santos Rocha A,** Feka-Homsy P, Habre W, Airway management in children, Trends in Anaesthesia and Critical Care, Volume 52, 2023, doi.org/10.1016/j.tacc.2023.101290.

- **Dos Santos Rocha A**, Albrecht E, El-Boghdadly K. Open science should be a pleonasm; Anaesthesia 2023 Jan 10. doi: 10.1111/anae.15962.

- Peták F, Fodor GH, Schranc Á, Südy R, Balogh ÁL, Babik B, **Dos Santos Rocha A**, Bayat S, Bizzotto D, Dellacà RL, Habre W. Expiratory high-frequency percussive ventilation: a novel concept for improving gas exchange; Respir Res. 2022 Oct 15;23(1):283. doi: 10.1186/s12931-022-02215-2.

- Kallab R, Sudy R**, Dos Santos Rocha A**, Diaper J, Petak F, Keli Barcelos G, Habre W. Invasive and non-invasive assessment of macro- and micro-circulatory effects of vasopressors during sevoflurane anesthesia in a pediatric experimental model: A randomized trial; Paediatr Anaesth. 2022 Oct;32(10):1129-1137.

- **Dos Santos Rocha A**, Diaper J, Balogh AL, Marti C, Grosgurin O, Habre W, Peták F, Südy R. Effect of body position on the redistribution of regional lung aeration during invasive and non-invasive ventilation of COVID-19 patients; Sci Reports 2022 Jun 30;12(1):11085. doi: 10.1038/s41598-022-15122-9.

- Balogh AL, Sudy R, Petak F, Habre W, **Dos Santos Rocha A**. Sevoflurane and Hypercapnia Blunt the Physiological Variability of Spontaneous Breathing: A Comparative Interventional Study; Front Physiol. 2022 Apr 11;13:871070. doi: 10.3389/fphys.2022.871070. eCollection 2022.

- **Dos Santos Rocha A,** Peták F, Carvalho T, Habre W, Balogh AL. Physiologically variable ventilation prevents lung function deterioration in a model of pulmonary fibrosis; J Appl Physiol (1985). 2022 Apr 1;132(4):915-924. doi: 10.1152/japplphysiol.00670.2021. Epub 2022 Feb 24.

- Wozniak H, **Dos Santos Rocha A**, Beckmann TS, Larpin C, Buetti N, Quintard H, Pugin J, Heidegger CP. Hypophosphatemia on ICU Admission Is Associated with an Increased Length of Stay in the ICU and Time under Mechanical Ventilation; J. Clin. Med. 2022, 11(3), 581; https://doi.org/10.3390/jcm11030581.

- **Dos Santos Rocha A,** Habre W, Albu G. Novel ventilation techniques in children; Paediatr Anaesth. 2022 Feb;32(2):286-294. doi: 10.1111/pan.14344. Epub 2021 Dec 5.

COMPETITIVE GRANTS – last 5 years

- **European Society of Intensive Care Medicine (ESICM) Family Partnership Research Award** – support for clinical study *"The UNCOVER study: From ICU to Long-Term Recovery – An International Cohort Study on Risk Factors, Trajectories, and Quality of Life in Sepsis Survivors"* (2025) – **National PI (Portugal)** - €20'000.00

- **Grant *Fondation Gertrude von Meissner*** –for clinical trial on the "Potential benefits of physiologically variable ventilation lo prevent lung derecruitment in children" (2022-2024) - €63'684.00

- **Young Talents in Clinical Research** – Beginner grant – Swiss Academy for Medical Sciences / Gottfried and Julia Bangerter-Rhyner Foundation grant, clinical trial on mechanical ventilation (2020-2021) - €43'196.00