



Curriculum vitae Europass

Personal Information

Name / Surname

CLAUDIU-RAFAEL BÂRSAC

Professional address

Emergency Clinical County Hospital 'Pius Brinzeu', Bd. Liviu Rebreanu nr. 156,
Anaesthesia and Intensive Care Clinic, 300723, Timișoara, Romania

Phone number

E-mail

Nationality

Romanian

Current professional status

Medical Doctor - Consultant in Anaesthesia and Intensive Care

Diplomate of the European Society of Anaesthesia and Intensive Care (ESAIC)

Examiner for the European Diploma in Anesthesia and Intensive Care
EDAIC part 2

Inspector for the European Diploma in Anesthesia and Intensive Exam part 1

Assistant professor at University of Medicine and Pharmacy 'Victor Babeș'
Timisoara

Coordinator of the Simulation Centre SimLAB Timisoara, University of Medicine
and Pharmacy 'Victor Babeș' Timisoara

National coordinator and trainer of the NAAM Course (National Advanced
Airway Management Course) – project of ESAIC/SESAM/SRATI collaboration

Trainer for NOAT Course (National Neonatal Obstetric Anaesthesia Training
Course) – project of ESAIC/SESAM/SRATI collaboration

Full instructor for ALS (Advanced Life Support) Courses endorsed by ERC
(European Resuscitation Council) and CNRR (Romanian National
Resuscitation Council)

Secretary, Anaesthesia and Intensive Care Expert Commission,
Romanian Ministry of Health

Member of the Education and Research Department at the Emergency
Clinical County Hospital 'Pius Brinzeu' Timișoara

Education

- 2004 - 2010:** University of Medicine and Pharmacy „Victor Babeş ”, Timișoara, Faculty of General Medicine
- January 2011 – July 2012** resident doctor in Anaesthesia and Intensive Care, SCJU „Pius Brînzeu”, Timișoara
- July 2012 - July 2013** resident doctor in Anaesthesia and Intensive Care, Mayo Regional Hospital, Castlebar, Ireland
- July 2013 - July 2014** resident doctor in Anaesthesia and Intensive Care, Galway University Hospital, Ireland
- July 2014 - December 2015:** resident doctor in Anaesthesia and Intensive Care, SCJU „Pius Brînzeu”, Timișoara
- October 2015:** Specialty Exam in Anaesthesia and Intensive Care
European Diploma Exam in Anaesthesia and Intensive Care part 1
(EDAIC part 1) Bucharest
- January 2016 - October 2017** Specialist doctor in Anaesthesia and Intensive Care, Galway University Hospitals, Ireland
- October 2017 - present:** Specialist doctor in Anaesthesia and Intensive Care, SCJU „Pius Brînzeu”, Timișoara
- November 2018:** Ph.D. Candidate in Anaesthesia and Intensive Care, University of Medicine and Pharmacy Timisoara Victor Babeş” Timișoara, Anaesthesia and Intensive Care Department
- September 2019:** Assistant professor at University of Medicine and Pharmacy Timisoara „Victor Babeş” Timișoara, Anaesthesia and Intensive Care Department
- October 2019:** European Diploma Exam in Anaesthesia and Intensive Care part 2
(EDAIC part 2) Valencia, Spain
- June 2020 - present:** Examiner for the European Diploma in Anaesthesia and Intensive Care
EDAIC part 2
- July 2021:** Senior Consultant in Anesthesia and Intensive Care, SCJU „Pius Brînzeu”, Timișoara

**Continuous
Medical
Education**

- Advanced Cardiac Life Support, May 2013, Castlebar, Ireland
- Paediatric Advanced Life Support, June 2013, Castlebar, Ireland
- Cadaveric Peripheral Nerve Block Course, May 2014, Cork, Ireland
- Advanced Mechanical Ventilation Course, April 2015, Dublin, Ireland
- Cadaveric Peripheral Nerve Block Workshop, September 2016, Maastricht, Netherlands (ESRA – European Society of Regional Anaesthesia)
- Advanced Cardiac Life Support, November 2016, Ballinasloe, Galway, Ireland
- Mechanical Ventilation Course - State of the Art 2016, Brussels (ESICM)
- Cardiorespiratory Physiology - Postgraduate Refresher Course, November 2016, Brussels, Belgium
- International Course on Metabolic and Nutritional Issues in the ICU, 30 - 31 May 2017, Brussels, Belgium
- The Future of Critical Care - A Brainstorming Meeting - May, 2017, Lisbon, Portugal
- Mechanical Ventilation Course - ISICEM 2018, Brussels, Belgium
- Sepsis and Severe Infections Masterclass – May 2019, Brussels, Belgium
- ESAIC Teach the Teacher (TTT) Course, 2019, Crete, Greece
- Mechanical Ventilation Masterclass 2021 – Heidelberg, Germany
- Mechanical Ventilation Train the Trainer Course Oct. 2022, Timisoara, Romania
- National Advanced Airway Management Train the Trainer Course (NAAM TTT) – project of ESAIC/SESAM/SRATI collaboration, 2022, Timisoara, Romania
- Introduction to Bayesian Latent Class Models for health scientists, 2022, Valencia, Spain
- Advanced Life Support (ALS) Course - European Resuscitation Council, 2022, Timisoara and Oradea, Romania
- Critical Care Patient Ultrasonography CESIMUS 2022, Timisoara, Romania
- GIC (Generic Instructor) Course for Advanced Life Support (ALS) - European Resuscitation Council, 2023, Targu-Mures, Romania
- Interdisciplinary Polytrauma Course, September 2023, Zurich, Switzerland
- IC (Course Instructor) for Advanced Life Support (ALS) - European Resuscitation Council, 2024, Timisoara, Romania
- National Congres of Regional Anaesthesia (ARAR),2025, Cluj Napoca, Romania
- National Mechanical Ventilation Symposium, 2025, Bucharest, Romania
- Neonatal Advanced Life Support (NLS) Course - European Resuscitation Council, 2025, Cluj Napoca, Romania
- World Airway Management Meeting (WAMM Conference), November 2025, Florence, Italy
- National Mechanical Ventilation Symposium, March 2026, Bucharest, Romania

Teaching activity	<p>2015 – present:</p> <ul style="list-style-type: none">- Courses for trainees for The Final National Specialty Exam in Anaesthesia and Intensive Care and European Diploma in Anaesthesia and Intensive Care Exam (EDAIC)- Courses and workshops in Anaesthesia and Intensive Care for students - University of Medicine and Pharmacy Timisoara „Victor Babeş” Timișoara, Anaesthesia and Intensive Care- Courses and workshops in Anaesthesia and Intensive Care for trainees – Simulation Centre SimLAB , University of Medicine and Pharmacy Timisoara „Victor Babeş” Timișoara- Cardiopulmonary resuscitation and First Aid courses for nurses and doctors in the Emergency Clinical County Hospital 'Pius Brinzeu' Timișoara,- Regional coordinator and trainer for doctors and nurses enrolled in the C19_SPACE Programme of the European Society of Intensive Care Medicine (ESICM)- IC (Course Instructor) for Advanced Life Support (ALS) - European Resuscitation Council, Timisoara, Romania- Coordinator and trainer of the National Advanced Airway Management Course (NAAM TTT) – project of ESAIC/SESAM/SRATI collaboration, Timisoara, Romania- Trainer of the National Advanced Airway Management Course (NAAM TTT) – project of ESAIC/SESAM/SRATI collaboration, Chisinau, Republic of Moldova- Course director and trainer of Intensive Care Fundamentals (ICF) Course of the European Society of Intensive Care Medicine (ESICM) – Timisoara, Romania
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<p>National and International Medical Courses and Congresses</p>	<ul style="list-style-type: none"> ○ The 37th Congress of the Romanian Society of Anaesthesia and Intensive Care (SRATI), Sinaia, Romania, May 2011 ○ The 9th Congress of the Romanian Society of Sepsis, Sinaia, Romania, May 2011 ○ The 5th Course: “Anaesthetists Training for transplantation activity”, Craiova, Romania, August 2011 ○ The 9th Edition of National Course of Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timișoara, Romania, October 2011 ○ The 12th National Symposium of Clinical Nutrition, Poiana Brasov, Romania, Nov. 2011 ○ The 38th Congress of SRATI, Sinaia, Romania, May 2012 ○ The 10th Congress of the Romanian Society of Sepsis, Sinaia, Romania, May 2012 ○ The 10th Edition of National Course of Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timisoara, Romania, October 2012 ○ The 13th National Symposium of Clinical Nutrition, Poiana Brasov, Romania, Nov. 2012 ○ The 39th Congress of SRATI, Sinaia, Romania, May 2013 ○ ESRA Congress 2013, Glasgow, Scoția ○ ANAESTHESIOLOGY 2013, San Francisco, SUA ○ ESICM Congress of Intensive Care 2014, Barcelona, Spain ○ ISICEM Congress of Intensive Care 2015, Brussels, Belgium ○ The 40th Congress of SRATI (Romanian Society of Anaesthesia and Intensive Care), Sinaia, Romania, May 2014 ○ The 41st Congress of SRATI, Sinaia, Romania, May 2015 ○ The 13th Edition of National Course of Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timisoara, Romania, October 2015 ○ The 43rd Congress of SRATI, Sinaia, Romania, May 2017 ○ The 15th Edition of National Course of Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timisoara, Romania, October 2017 ○ The 44th Congress of SRATI, Sinaia, Romania, May 2018 ○ ISICEM Congress of Intensive Care 2018, Brussels, Belgium ○ The 16th Edition of National Course of Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Chișinău, Republica Moldova, Oct. 2018 ○ The 45th Congress of SRATI, Sinaia, Romania, May 2019 ○ Congres vSRATI, 2020 - 2021 Romania ○ The 19th Edition of National Course of Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine (online), Timisoara, Romania, 2021 ○ Virtual ESICM Congress of Intensive Care 2021 ○ International Fluid Academy Days IFAD Congress 2021, Brussels, Belgium ○ The 20th Edition of National Course of Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine (online), Timisoara, Romania, 2022 ○ The 48th Congress of SRATI, Sinaia, Romania, May 2022 ○ ISICEM Congress of Intensive Care 2022, Brussels, Belgium ○ The 49th Congress of SRATI, Sinaia, Romania, May 2023 ○ The 21st Edition of National Course of Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timisoara, Romania, 2023 ○ ISICEM Congress of Intensive Care 2023, Brussels, Belgium ○ Lecturer for european CEEA Course, Targu Mures, December 2023 ○ National Congress of the Romanian Association of Regional Anesthesia and Pain Therapy 2024, Cluj-Napoca, Romania ○ The 50th Congress of SRATI, Sinaia, Romania, May 2024 ○ ISICEM Congress of Intensive Care 2024, Brussels, Belgium ○ Course Director for the 22nd Edition of National Course of Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timisoara, 2024 ○ Lecturer for european CEEA Course, Targu Mures, December 2024 ○ Inspector for the European Diploma in Anesthesia and Intensive Exam part 1, September 2024, Yogyakarta, Indonesia ○ National Mechanical Ventilation Symposium, 2025, Bucharest, Romania ○ SARTISS National Conference (<i>Conferinta nationala de Medicina de Urgenta si salvari in situatii speciale</i>), May 2025, Oradea, Romania ○ The 51st Congress of SRATI, Sinaia, Romania, May 2025
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	<ul style="list-style-type: none"> ○ Inspector for the European Diploma in Anesthesia and Intensive Exam part 1, September 2025, Yogyakarta, Indonesia ○ Course Director for the 23rd Edition of National Course of Guidelines and Protocols in Anaesthesia, Intensive Care and Emergency Medicine, Timisoara, 2025 ○ Lecturer for european CEEA Course, Targu Mures, December 2025 ○ ESICM Congress of Intensive Care Medicine - expert at advanced airway workshop, October 2024, Barcelona, Spain ○ ESICM Congress of Intensive Care Medicine - expert at advanced airway workshop, October 2025, Munchen, Germany ○ National Mechanical Ventilation Symposium, 2026, Bucharest, Romania
<p>Exams/ Simulations organised</p>	<p>April 2019 Host for OLA Simulation (On-Line Assessment) for European Diploma of Anaesthesia and Intensive Care, part 1 in Timișoara</p> <p>April 2020 Host for OLA Simulation (On-Line Assessment) for European Diploma of Anaesthesia and Intensive Care, part 1 in Timișoara</p> <p>June 2021 Host for OLA Simulation (On-Line Assessment) for European Diploma of Anaesthesia and Intensive Care, part 1 in Timișoara</p> <p>May 2022 Host for OLA Simulation (On-Line Assessment) for European Diploma of Anaesthesia and Intensive Care, part 1 in Timișoara</p> <p>May 2023 Host for HOLA Simulation (On-Line Assessment) for European Diploma of Anaesthesia and Intensive Care, part 1 in Timișoara</p> <p>May 2024 Host for HOLA Simulation (On-Line Assessment) for European Diploma of Anaesthesia and Intensive Care, part 1 in Timișoara</p> <p>September 2024 Inspector for European Diploma of Anaesthesia and Intensive Care, part 1, Yogyakarta, Indonesia</p> <p>May 2025 Host for HOLA Simulation (On-Line Assessment) for European Diploma of Anaesthesia and Intensive Care, part 1 in Timișoara</p> <p>September 2025 Inspector for European Diploma of Anaesthesia and Intensive Care, part 1, Yogyakarta, Indonesia</p> <p>2020- present Active international examiner for European Diploma of Anaesthesia and Intensive Care (EDAIC part 2)</p>

Scientific activity**Published papers:**

1. BARSAC C, PETRICA A, LUNGEANU D, MARZA AM, BEDREAG O, PAPURICA M, TREBUIAN CI, BOTEA MO, MEDERLE OA, SANDESC D, Residency training programs in anesthesiology, intensive care and emergency medicine: from curriculum to practice, *Front Med (Lausanne)*. 2024 Jun 26; 11:1386681. doi: 10.3389/fmed.2024.1386681. PMID: 39045417; PMCID: PMC11264376; 3.9
2. ALEXANDRU FLORIN ROGOBETE, OVIDIU HOREA BEDREAG, MARIUS PAPURICA, SONIA ELENA POPOVICI, LAVINIA MELANIA BRATU, ANDREEA RATA, CLAUDIU RAFAEL BARSAC, ANDRA MAGHIAR, DRAGOS NICOLAE GAROFIL, MIHAI NEGREA, LAURA BOSTANGIU PETCU, DAIANA TOMA, CORINA MARIA DUMBULEU, SAMIR RIMAWI, DOREL SANDESC, Multiparametric Monitoring of Hypnosis and Nociception-Antinociception Balance during General Anesthesia-A New Era in Patient Safety Standards and Healthcare Management, *Medicina (Kaunas)*. 2021 Feb 2;57(2):132; 2.948
3. M TUNESCU, R CHRISTODORESCU, A SHARMA, C R BARSAC, A F ROGOBETE, D C CRISAN, S E POPOVICI, N R KUNDNANI, D SANDESC, O BEDREAG, The preoperative evaluation of post-COVID-19 patients scheduled for elective surgery - What is important not to miss! *Eur Rev Med Pharmacol Sci*. 2021 Dec;25(23):7607-7615
4. ANCA RALUCA DINU, ALEXANDRU FLORIN ROGOBETE, SONIA ELENA POPOVICI, OVIDIU HOREA BEDREAG, MARIUS PAPURICA, CORINA, RALUCA RAMONA VELOVAN, DAIANA TOMA, CORINA MARIA GEORGESCU, LAVINIA IOANA TRACHE, CLAUDIU BARSAC, LOREDANA LUCA, BETTINA BUZZI, ANDRA MAGHIAR, MIHAI ALEXANDRU SANDESC, SAMIR RIMAWI, MADALIN MARIAN VADUVA, LAVINIA MELANIA BRATU, PAUL MANUEL LUMINOSU, DOREL SANDESC, Impact of General Anesthesia Guided by State Entropy (SE) and Response Entropy (RE) on Perioperative Stability in Elective Laparoscopic Cholecystectomy Patients-A Prospective Observational Randomized Monocentric Study, *Entropy (Basel)*. 2020 Mar 19;22(3):356. doi: 10.3390/e22030356
5. COSMIN IOSIF TREBUIAN, ADINA MARIA MARZA, ALEXANDRU CRISTIAN CINDREA, ALINA PETRICA, STEFANIA ONEA, DUMITRU SUTOI, CLAUDIU BARSAC, IULIA CRINTEA-NAJETTE, DAIAN POPA, RAUL CHIOIBAS, OVIDIU ALEXANDRU MEDERLE, Risk Assessment of Venous Thromboembolism among Septic Shock Patients: Single versus Concurrent Insertion of Central Venous Catheters, *Medicina (Kaunas)* 2024 May 9;60(5):785; 2.4
6. BOTEA, M.O.; LUNGEANU, D.; PETRICA, A.; SANDOR, M.I.; HUNIADI, A.C.; BARSAC, C.; MARZA, A.M.; MOISA, R.C.; MAGHIAR, L.; BOTEA, R.M.; ET AL; Perioperative Analgesia and Patients' Satisfaction in Spinal Anesthesia for Cesarean Section: Fentanyl Versus Morphine, *J. Clin. Med.* 2023, 12, 6346; 3.4
7. MARZA AM, BARSAC C, SUTOI D, CINDREA AC, HERLO A, TREBUIAN CI, PETRICA A, Cardiac Arrest and Complete Heart Block: Complications after Electrical Cardioversion for Unstable Supraventricular Tachycardia in the Emergency Department. *J Pers Med*. 2024 Mar 9;14(3):293; 1.7

Published chapters in books/monographies

1. Claudiu Bârsac, Ovidiu Bedreag, Marius Păpurică, Alina Petrică. *Cefaleea secundară puncției durale*, În: *Actualități în anestezie și terapie intensivă*, 2023, Editura University Press Târgu Mureș, p.21-37, ISBN 978-973-169-809-0.
2. Ovidiu Horea Bedreag, Claudiu Rafael Barsac, Adelina Baloi, Marius Papurica. Managementul infecțiilor cu germeni cu rezistență multiplă în departamentul de urgență. În: *Esential, multimodal, integrat în medicin de urgență*. Editor Diana Cimpoieșu, Editura Gr. T. Popa Iasi, 2025 ISBN 978-630- 345-078-0, p 87-99

	<p>3. Petrica, Alina, Florin Bzovii, Mihai O. Botea, Adina M. Marza, and Claudiu Barsac. "Factors Affecting Ketamine Metabolism Within the Cytochrome P450 System." In <i>Ketamine: From Neurobiology to Emergency and Anesthesia Care, Volume I</i>, edited by Sabine Himmelseher, 415–430. Cham: Springer Nature, 2025.</p>
Member of Medical Societies	<p>Romanian Society of Anesthesia and Intensive Care (SRATI) European Society of Anesthesia and Intensive Care (ESAIC) European Society of Regional Anaesthesia (ESRA) European Society of Intensive Care Medicine (ESICM) American Society of Anesthesiologists (ASA) – past member Association of Anaesthetists of Great Britain and Ireland (AAGBI) – past member International Fluid Academy (IFAD) – past member</p>
Mother tongue	Romanian
Foreign languages	<p>English: "Cambridge Certificate" Diploma German: "Goethe Deutsch Zertifikat B1"</p>