



Cosmin Balan

WORK EXPERIENCE

07/01/2019 – CURRENT Bucharest, Romania

CONSULTANT IN ANAESTHESIA AND INTENSIVE CARE MEDICINE "CC ILIESCU" EMERGENCY INSTITUTE FOR CARDIOVASCULAR DISEASES

01/09/2016 – 06/01/2019 Bucharest, Romania

SPECIALIST DOCTOR IN ANAESTHESIA AND INTENSIVE CARE MEDICINE UNIVERSITY EMERGENCY HOSPITAL BUCHAREST

05/08/2015 – 05/08/2016 Oxford, United Kingdom

FELLOW IN ADULT INTENSIVE CARE MEDICINE AND POINT-OF-CARE ULTRASOUND OXFORD UNIVERSITY HOSPITALS NHS FOUNDATION TRUST, JOHN RADCLIFFE HOSPITAL

01/01/2013 – 31/07/2015 Bucharest, Romania

SPECIALIST DOCTOR IN ANAESTHESIA AND INTENSIVE CARE MEDICINE UNIVERSITY EMERGENCY HOSPITAL BUCHAREST

EDUCATION AND TRAINING

01/01/2008 – 31/12/2012 Bucharest, Romania

RESIDENT IN ANESTHESIA AND INTENSIVE CARE University Emergency Hospital Bucharest

Address 169 Splaiul Independenței Road, Bucharest, Romania

01/01/2007 – 31/12/2007 Bucharest, Romania

RESIDENT IN HEMATOLOGY Fundeni Clinical Institute in Hematology

Address 258 Fundeni Road, Bucharest, Romania

01/01/2006 – 31/12/2006 Bucharest, Romania

RESIDENT IN EMERGENCY MEDICINE Carol Davila Central University Emergency Military Hospital

Address 134 Plevnei Road, Bucharest, Romania

01/01/2005 – 31/12/2005 Bucharest, Romania

MEDICAL OFFICER Carol Davila Central University Emergency Military Hospital

Address 134 Plevnei Road Bucharest, Bucharest, Romania

01/10/1998 – 01/07/2004 Bucharest, Romania

MEDICAL STUDENT Carol Davila University of Medicine and Pharmacy

Address Eroii Sanitari Road, Bucharest, Romania

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

18.05.2023

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ADDITIONAL INFORMATION

PUBLICATIONS

Balan, C.; Tomescu, D.R.; Bubenek-Turconi, S.I. Nociception Control of Bilateral Single-Shot Erector Spinae Plane Block Compared to No Block in Open Heart Surgery—A Post Hoc Analysis of the NESP Randomized Controlled Clinical Trial. *Medicina* 2023, 59, 265.

Bubenek-Turconi ŞI, Andrei S, Văleanu L, et al. Clinical characteristics and factors associated with ICU mortality during the first year of the SARS-Cov-2 pandemic in Romania: A prospective, cohort, multicentre study of 9000 patients. *Eur J Anaesthesiol.* 2023;40(1):4-12.

Balan, C.; Tomescu, D.R.; Valeanu, L.; Morosanu, B.; Stanculea, I.; Coman, A.; Stoian, A.; Bubenek-Turconi, S.I. Nociception Level Index-Directed Erector Spinae Plane Block in Open Heart Surgery: A Randomized Controlled Clinical Trial. *Medicina* 2022, 58, 1462

Sandru, S.; Buzescu, D.; Zahiu, C.D.M.; Spataru, A.; Panaitescu, A.M.; Isac, S.; Balan, C.I.; Zagrean, A.-M.; Pavel, B. Near-Infrared Spectroscopy Usefulness in Validation of Hyperventilation Test. *Medicina* 2022, 58, 1396.

Andrei, S.; Valeanu, L.; Stefan, M.G.; Longrois, D.; Popescu, M.; Stefan, G.; Balan, C.; Arafat, R.; Corneci, D.; Droc, G.; Bubenek-Turconi, S.-I.; on behalf of the COVATI-RO Collaborative. Outcomes of COVID-19 Critically Ill Extremely Elderly Patients: Analysis of a Large, National, Observational Cohort. *J. Clin. Med.* 2022, 11, 1544.

Valeanu, L, Andrei, S, Gingham, C, et al. Perioperative trajectory of plasma viscosity: A prospective, observational, exploratory study in cardiac surgery. *Microcirculation.* 2022

Valeanu, L.; Bubenek-Turconi, S.-I.; Gingham, C.; Balan, C. Hemodynamic Monitoring in Sepsis - A Conceptual Framework of Macro- and Microcirculatory Alterations. *Diagnostics* 2021, 11, 1559

Balan, C., Bubenek-Turconi, S.-I., Tomescu, D. R. & Valeanu, L. Ultrasound-Guided Regional Anesthesia - Current Strategies for Enhanced Recovery after Cardiac Surgery. *Medicina* vol. 57 (2021).

Balan, C. I. & Wong, A. V.-K. Model-driven gas exchange monitoring in the critically ill. *Anaesthesiol. Intensive Ther.* 50, 128–140 (2018).

Balan, C. & Wong, A. V.-K. Sudden cardiac arrest in hypertrophic cardiomyopathy with dynamic cavity obstruction: The case for a decatecholaminisation strategy. *J. Intensive Care Soc.* 19, 69–75 (2017).

Balan, C., Barker, G. & Garry, D. Clostridium perfringens sepsis complicated by right ventricular cardiogenic shock. *J. Intensive Care Soc.* 18, 130–137 (2016).

TEACHING

01/11/2022 – CURRENT

European Diploma in Intensive Care Medicine part 2

Examiner

2019 – CURRENT

Centre of Simulation in Anesthesia and Intensive Care Medicine Bucharest (CESIMAB)

Coordinator

2019 – CURRENT

CESIMUS Workshop - Ultrasonography of the Critically Ill Patient

Coordinator

2020 – 2021

C19 Space Skills Preparation Course

Coordinator

2017

Point of Care Ultrasonography CACU - IFAD, Antwerp, Belgium

Trainer

2017

Ultrasound for Intensive Care, London, UK

Trainer

2016

Ultrasound for Intensive Care, OxFICE, Oxford, UK

Trainer

CERTIFICATIONS AND AWARDS

2018

European Diploma in Intensive Care (EDIC) part 2, Dublin, Ireland

2017

La Pitie Salpetriere ECMO Diploma, Paris, France

European Diploma in Intensive Care (EDIC) part 1, Best Score Award Vienna – ESICM LIVES 2017

2017

Papworth ECMO Diploma, Cambridge, UK

2016

2016

Diploma in Core Ultrasound Intensive Care (CUSIC), Oxford University Hospitals, Oxford, UK

2016

Diploma in Focused Intensive Care Echocardiography (FICE), Oxford University Hospitals, Oxford, UK

Diploma in Advanced Adult Transthoracic Echocardiography , CC Iliescu Emergency Institute for Cardiovascular Diseases, Bucharest, Romania

2015

2014

Diploma in Adult Bronchoscopy, Marius Nasta Pneumology Institute, Bucharest, Romania

European Diploma in Anesthesia and Intensive Care (EDAIC) part 1

2012

PROJECTS

2020 – CURRENT

Simulation Approach for Education and Training in Emergency (SAFETY)
