



# Alexandru Andrei Badea

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## WORK EXPERIENCE

01/01/2023 – CURRENT Bucharest, Romania

**CARDIOLOGIST** CAROL DAVILA CENTRAL UNIVERSITY EMERGENCY MILITARY HOSPITAL

Residency exam grade: 903 out of 942 points

## EDUCATION AND TRAINING

01/09/2016 – 30/09/2022 Bucharest, Romania

**DOCTOR** University of Medicine and Farmacology Carol Davila

Website [umfcd.ro](http://umfcd.ro)

01/09/2012 – 30/06/2016 Bucharest, Romania

**HIGHSCHOOL DEGREE** Grigore Moisil National College

Website [about.moisil.ro](http://about.moisil.ro)

## LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>GERMAN</b>	A2	A2	A1	A2	A2
<b>ENGLISH</b>	C2	C2	C2	C2	C2

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

## DIGITAL SKILLS

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access

## PUBLICATIONS

2024

[The Hidden Heart: Exploring Cardiac Damage Post-Stroke: A Narrative Review](#)

Mitrică M, Lorusso L, Badea A-A, Sîrbu C-A, Pleșa A, Stănescu A-MA, Pleșa FC, Sîrbu OM, Munteanu AE. The Hidden Heart: Exploring Cardiac Damage Post-Stroke: A Narrative Review. *Medicina*. 2024; 60(10):1699. <https://doi.org/10.3390/medicina60101699>

### Abstract

Stroke–heart syndrome (SHS), a critical yet underrecognized condition, encompasses a range of cardiac complications that arise following an ischemic stroke. This narrative review explores the pathophysiology, clinical manifestations, and implications of SHS, focusing on the complex interplay between the brain and the heart. Acute ischemic stroke (AIS) triggers autonomic dysfunction, leading to a surge in catecholamines and subsequent myocardial injury. Our review highlights the five cardinal manifestations of SHS: elevated cardiac troponin (cTn) levels, acute myocardial infarction,

left ventricular dysfunction, arrhythmias, and sudden cardiac death. Despite the significant impact of these complications on patient outcomes, there is a notable absence of specific guidelines for their management. Through a comprehensive literature search, we synthesized findings from recent studies to elucidate the mechanisms underlying SHS and identified gaps in the current understanding. Our findings underscore the importance of early detection and multidisciplinary management of cardiac complications post-stroke. Future research should focus on establishing evidence-based protocols to improve clinical outcomes for stroke patients with SHS. Addressing this unmet need will enhance the care of stroke survivors and reduce mortality rates associated with cardiac complications.

Mitrică M, Lorusso L, Badea A-A, Sîrbu C-A, Pleșa A, .. Medicina. 2024; 60(10):1699.

## ● CONFERENCES AND SEMINARS

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11/10/2024 – 12/10/2024 Bucharest, Romania

**„Cardiac imaging in clinical practice” EACVI course**

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04/10/2024 – 05/10/2024 Bucharest, Romania

**"Thromboembolic disease - updates in diagnosis and treatment" Course**

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18/09/2024 – 21/09/2024 Sinaia, Romania

**National Cardiology Congress, 63rd edition**

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Active participation with abstract titled: Neurocardiological Challenges: A Complex Case of Acute Myocardial Infarction.

02/11/2024 – 03/11/2024 Bucharest, Romania

**Congress of the Romanian Hypertension Society**

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Active participation with oral presentation (accepted abstract): Management of Orthostatic Hypotension in Hypertensive Patients: A Clinical Conundrum

2018 – 2018 Bucharest, Romania

**The National Conference of the Faculty of Medicine of the Titu Maiorescu University**

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Active participation (oral presentation, co-author) - Thrombolytic treatment in ischemic cerebrovascular accidents - priority axis

Active participation (oral presentation, co-author) - Ebstein's disease: cause of stroke in young people

2017 – 2017 Bucharest, Romania

**National Conference of the Carol Davila Military Emergency University Central Hospital**

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Active participation (oral presentation, co-author) - Willson's disease