



Gelu Radu Simu

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EXPERIENȚA PROFESIONALĂ

Medic specialist cardiolog

Spitalul de Recuperare [01/04/2022 – În curs]

Adresă: Strada Viilor, nr. 46-50, Cluj-Napoca (România)

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

Competența națională în electrofiziologie

[01/08/2023 – În curs]

Competența Europeană în electrofiziologie

EHRA [01/12/2022 – În curs]

Medic specialist cardiolog

[01/04/2022 – În curs]

ESC fellow electrofiziologie 2021-2022, Bad-Neustadt an der Saale, Germania

Student doctorand

Universitatea de Medicină și Farmacie "Iuliu Hatieganu", Cluj-Napoca, România [01/09/2018 – În curs]

Localitatea: Cluj-Napoca | Țara: România

Medic rezident cardiolog

Institutul Inimii [01/07/2016 – 01/06/2022]

Localitatea: Cluj-Napoca | Țara: România

Universitate

Universitatea de Medicină și Farmacie "Iuliu Hatieganu" [01/10/2009 – 01/07/2015]

Localitatea: Cluj-Napoca | Țara: România

Liceu

Liceul "Mihai Eminescu" [01/09/2005 – 15/06/2009]

Localitatea: Satu-Mare | Țara: România

COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): română

Altă limbă (Alte limbi):

engleză

COMPREHENSIUNE ORALĂ C2 CITIT C1 SCRIS C1

EXPRIMARE SCRISĂ C1 CONVERSAȚIE C1

germană

COMPREHENSIUNE ORALĂ B2 CITIT B2 SCRIS B2

EXPRIMARE SCRISĂ B2 CONVERSAȚIE C1

PUBLIȚII

Publicatii

- Frîngu F., Tomoaia R., Caloian B. Zdrenghea Z., Irimie D, Comsa H., **Simu G.**, Dădrlat-Pop A., Pop D., Gușetu G. - Inflammation and fibrosis in patients with atrial fibrillation and heart failure: is there a need for rehabilitation? *Balneo and PRM Research Journal* 2023, 14(3): 568
- I Minciuna, M Suceveanu, R Tomoaia, **G Simu**, D A Irimie, G Cismaru, M Puiu, R Rosu, D Zdrenghea, D Pop, General anesthesia or mild conscious sedation? First comparison for high-power short-duration ablation for atrial fibrillation, *EP Europace*, Volume 25, Issue Supplement_1, June 2023, euad122.723.
- F Fringu, C Sturz, R Tomoaia, D Zdrenghea, D Horvat, B Caloian, H Comsa, R Rosu, G Cismaru, G Gusetu, D Gurzau, M Ursu, **G Simu**, S Ivan, D Pop, Apnea-Hypopnea Index an indicator of increased right cardiac pressures, *European Journal of Preventive Cardiology*, Volume 30, Issue Supplement_1, June 2023, zwad125.336.
- R Tomoaia, R S Beyer, D Zdrenghea, A Dadarlat-Pop, G R Cismaru, G R Gusetu, I A Minciuna, F I Fringu, **G R Simu**, D Gurzau, B Caloian, D H Comsa, R Rosu, D Pop, Relationship between NT-proBNP and myocardial deformation in obese patients with acute myocardial infarction, *European Journal of Preventive Cardiology*, Volume 30, Issue Supplement_1, June 2023, zwad125.120.
- **Simu GR**, Tomoaia R, Rosu RO, Gusetu G, Puiu M, Cismaru G, Caloian B, Terec A, Buliga T, Boer A, et al. Galectin-3, Inflammation, and the Risk of Atrial High-Rate Episodes in Patients with Dual Chamber Pacemakers. *International Journal of Molecular Sciences*. 2023; 24(9):7710.
- **Simu G**, Deneke T, Ene E, Nentwich K, Berkovitz A, Sonne K, Halbfass P, Arvaniti E, Waechter C, Müller J. Empirical superior vena cava isolation in patients undergoing repeat catheter ablation procedure after recurrence of atrial fibrillation. *J Interv Card Electrophysiol*. 2022 Nov;65(2):551-558. doi: 10.1007/s10840-022-01301-1.
- **Simu G**, Rosu R, Cismaru G, Puiu M, Gusetu G, Minciuna I, Istratoaie S, Tomoaia R, Zdrenghea D, Pop D. Atrial high-rate episodes: a comprehensive review. *Cardiovasc J Afr*. 2021 Mar-Apr 23;32(2):102-107. doi: 10.5830/CVJA-2020-052. Epub 2021 Jan 15.
- J Mueller, K Nentwich, A Berkovitz, P Halbfass, E Ene, K Sonne, **GR Simu**, I Chakarov, T Deneke, Prognosis of patients with and without septal substrate after VT ablation due to electrical storm, *EP Europace*, Volume 24, Issue Supplement_1, May 2022, euac053.366, <https://doi.org/10.1093/europace/euac053.366>

Publicatii

- M A Gunawardene, M Lemoine, T Deneke, R Wakili, D Steven, B Schaeffer, A Rillig, K Nentwich, J Siebermair, K Filipovic, **G Simu**, L Riesinger, A Sultan, S Willems, A Metzner, Pulsed field ablation for atrial fibrillation: acute procedural efficacy and safety of an initial German multicenter experience, *European Heart Journal*, Volume 43, Issue Supplement_2, October 2022, ehac544.473, <https://doi.org/10.1093/eurheartj/ehac544.473>
- J Mueller, K Nentwich, A Berkovitz, P Halbfass, E Ene, K Sonne, **GR Simu**, I Chakarov, T Deneke, Efficacy and safety of VT ablation of electrical storm, *EP Europace*, Volume 24, Issue Supplement_1, May 2022, euac053.365, <https://doi.org/10.1093/europace/euac053.365>
- Julian Müller, Artur Berkovitz, Philipp Halbfass, Karin Nentwich, Elena Ene, Kai Sonne, **Gelu Simu**, Ivalyo Chakarov, Sebastian Barth, Christian Waechter, Michael Behnes, Ibrahim Akin, Thomas Deneke. Acute oesophageal safety of high-power short duration with 50 W for atrial fibrillation ablation, *EP Europace*, Volume 24, Issue 6, June 2022, Pages 928–937, <https://doi.org/10.1093/europace/euab329>
- T. Deneke, A. Berkovitz, E. Ene, K. Sonne, **G. Simu**, J. Müller, L. Lehmkuhl, M. Müller und K. Nentwich .Eine 19-jährige Patientin mit Palpitationen und MitralinklappensuffizienzA 19-year-old woman with palpitations and mitral regurgitation. *Herzschr Elektrophys* 32, 471–474 (2021).

- Mueller J, Halbfass P, Sonne K, Nentwich K, Ene E, Berkovitz A, Lehmkuhl L, Barth S, **Simu GR**, Waechter C, Behnes M, Deneke T. Safety aspects of very high power very short duration atrial fibrillation ablation using a modified radiofrequency RF-generator: Single-center experience. J Cardiovasc Electrophysiol. 2022 May;33(5): 920-927. doi: 10.1111/jce.15433.
- **Simu G**, Deneke T, Ene E, Nentwich K, Berkovitz A, Sonne K, Halbfass P, Arvaniti E, Waechter C, Müller J. Empirical superior vena cava isolation in patients undergoing repeat catheter ablation procedure after recurrence of atrial fibrillation. J Interv Card Electrophysiol. 2022 Nov;65(2):551-558. doi: 10.1007/s10840-022-01301-1.
- "Catheter ablation of premature ventricular complexes in patient with obstructive hypertrophic cardiomyopathy" **G. Simu**, D. Pop, D. Zdrengea, R. Rosu, G. Cismaru, G. Gusetu, I. A. Minciuna, C. Florea, S. Aursulesei, M. Puiu. The 57-th National Congress of Cardiology, 19-22 september 2018, Sinaia, Romania
- "Radiofrequency catheter ablation of ventricular tachycardia with an atypical origin" **G. Simu**, D. Pop, D. Zdrengea, R. Rosu, G. Cismaru, M. Puiu. The 2nd Congress of Progress in Cardiology, 25-27 may 2018, Cluj-Napoca, Romania

Publicatii

- "Radiofrequency catheter ablation of idiopathic ventricular tachycardia" **G. Simu**, D. Pop, D. Zdrengea, R. Rosu, L. Muresan, G. Cismaru, L. Muresan, G. Gusetu, P. Boarescu, M. Puiu. The 56-th National Congress of Cardiology, 21-24 september, 2016, Sinaia, Romania
- "An unexpected cause of ventricular tachycardia in a young patient." R. Tomoaia, RS. Beyer, M. Puiu, A. Dadarlat, FI. Fringu, D. Gurzau, KT. Bardos, DH. Comsa, **G. Simu**, D. Pop, D. Zdrengea. EuroEcho 4-7 December 2019, Viena Austria.
- "An incidental finding of a completely thrombosed left ventricular pseudoaneurysm: what is the next step?" S. Istratoaie, A. Iliescu, S. Manole, R. Beyer, D. Tudoreanu, D. Mateas, **G. Simu**, R. Rancea, poster at EuroEcho, 4-7 December 2019, Viena, Austria.
- The road to zero-fluoroscopy catheter ablation in recurrent paroxysmal atrial fibrillation using ICE: training, learning, getting closer - IA Minciuna , M Puiu , G Cismaru , S Istratoaie , **G Simu** , C Florea , G Gusetu , D Zdrengea , D Pop , R Rosu , 4-7 December 2019, Viena, Austria, EUROECHO 2019
- Ventricular remodeling in patients with myocardial infarction and preserved ejection fraction: does physical activity make a difference? R. Tomoaia, D. Zdrengea, RS. Beyer, A. Dadarlat-Pop, FI. Fringu, **G. Simu**, D. Gurzau, IA. Minciuna, B. Caloian, H. Comsa, D. Pop, ESC Preventive Cardiology 2020
- Negative Outcome of Advanced Pulmonary Carcinoma with Cardiac Extension under Immunotherapy, Raluca Tomoaia, Dana Pop, Dumitru Zdrengea, Alexandra Dadarlat-Pop, Florina Fringu, **Gelu Simu**, Ionut-Alexandru Minciuna, Bogdan Caloian, Kinga Bardos, Ruxandra Stefana Beyer, Acute Cardiovascular Care 2020
- "Correlations between voltage map and p wave duration in patients with Bayes syndrome undergoing catheter ablation for atrial fibrillation ", I A . M inciuna, G . C ismaru, R . R o su, **G. Simu**, C . Florea, S . I stratoaie, G . Gusetu, D . Zdrengea, D . Pop, M . Puiu. European Heart Rhythm Association Congress, 17-19 March, 2019, Lisbon, Portugal.
- "Prevalence of interatrial block in a tertiary referral hospital" S . Istratoaie, G . Cismaru, R . Rosu, **G . Simu**, I.A. Minciuna, C . Florea, G . Gusetu, D . Zdrengea, D . Pop: Poster. National Congress of Cardiology, 17-19 March, 2019, Lisbon, Portugal.

DISTINȚII ONORIFICE ȘI PREMII

Voluntariat

- Voluntar la Serviciul Judetean de Ambulanta 01.2013-01.2014

TRADUCATOR

Traducator

- Traducător pentru versiunea în limba română a ghidului ESC pentru managementul bolilor cardiovasculare în timpul sarcinii: Grupul de lucru pentru managementul bolilor cardiovasculare în timpul sarcinii din cadrul Societății Europene de Cardiologie (ESC)
- Traducător pentru versiunea în limba română a ghidurilor ESC din 2019 privind diabetul, pre-diabetul și bolile cardiovasculare, elaborate în colaborare cu EASD: Grupul de lucru pentru diabet, pre-diabet și boli cardiovasculare din cadrul Societății Europene de Cardiologie (ESC) și al Asociației Europene pentru Studiul Diabetului (EASD)