

Curriculum Vitae

TOMAS LAPINSKAS, MD, PhD, FESC

ESC Audit Committee



Personal Information:

Place and Date of Birth: Alytus, Lithuania; 1983-06-21

Nationality: Lithuanian

Current Position and Professional Address

Director for Public Health, Research, and Education

Hospital of Lithuanian University of Health Sciences Kauno klinikos
Eivenių str. 2, LT-50161 Kaunas, Lithuania

Professor in Cardiology

Lithuanian University of Health Sciences
A. Mickevičiaus str. 9, LT-44307 Kaunas, Lithuania

Head of the Cardiovascular MRI unit

Hospital of Lithuanian University of Health Sciences Kauno klinikos
Eivenių str. 2, LT-50161 Kaunas, Lithuania

Cardiologist

Hospital of Lithuanian University of Health Sciences Kauno klinikos
Eivenių str. 2, LT-50161 Kaunas, Lithuania

Education and Postgraduate Training

Lithuania Quality Governance Fellowship

Royal College of Physicians of Edinburgh and WHO; October 2021 – April 2022

Postgraduate Course in Heart Failure (PCHF)

University of Zurich; January 2018 – October 2019

Cardiovascular MRI Fellowship

German Heart Center Berlin; March 2016 – August 2016

Cardiovascular CT and MRI Fellowship

University Medical Center Rotterdam (Erasmus MC); September 2011 – February 2012

Training in Echocardiography

University of Gent; April 2010 – June 2010

PhD Studies

Lithuanian University of Health Sciences; September 2013 – August 2017

Residency in Cardiology

Lithuanian University of Health Sciences; August 2008 – April 2013

European Society of Cardiology Activities

National Ambassador for EACVI Heart Imagers of Tomorrow

2016–2018 and 2018–2020

National Representative for HFA Heart Failure specialists of Tomorrow

2018–2020

President of the National Society of Cardiology

2024–2025, and 2026–2027 (recently re-elected)

Member of European Heart Academy (EHA) Alumni Task Force

2025–2026

Participation in Other International Scientific Committees

Member of SCMR Advocacy Committee

2021–2023

Editorial Boards

Emerging Editorial Consultant at JACC Cardiovascular Imaging

2017–2019

Editorial Consultant at JACC Case Reports

2019–2021

Leadership and Management Experience

I have extensive leadership and management experience at the institutional and national levels. Since 2018, I have served on the **Executive Board of the Hospital of Lithuanian University of Health Sciences Kauno klinikos** and currently act as **Director for Public Health, Research & Education**, while also serving as **President of the Lithuanian Society of Cardiology**, leading national cardiovascular initiatives and strengthening collaboration with the ESC. I completed the **Lithuanian Quality Governance Fellowship** organised by the Royal College of Physicians of Edinburgh and WHO, and serve as **Scientific Programme Director of the Kauno klinikos Leadership Academy**, roles that together provide substantial experience in governance, audit, accountability, and organisational management relevant to the ESC Audit Committee.

Fellowships and Honours

I have completed several high-level international training programmes in cardiovascular medicine and imaging, including the **Postgraduate Course in Heart Failure (PCHF)** at the University of Zurich (2018–2019). My training also includes **Cardiovascular MRI fellowships** at the German Heart Centre Berlin (2016) and Erasmus MC, Rotterdam (2011–2012), as well as formal **echocardiography training** at the University of Gent (2010), providing comprehensive expertise in advanced imaging and heart failure management.

Honorary Memberships

None to date.

Top 10 Most Relevant Publications

1. Čelutkienė J, Pudil R, López-Fernández T, <...> **Lapinskas T**, <...> Lyon AR. **Role of cardiovascular imaging in cancer patients receiving cardiotoxic therapies: a position statement on behalf of the Heart Failure Association (HFA), the European Association of Cardiovascular Imaging (EACVI) and the Cardio-Oncology Council of the European Society of Cardiology (ESC)**. Eur J Heart Fail. 2020 Sep;22(9):1504-1524. doi: 10.1002/ejhf.1957. Epub 2020 Aug 21. Erratum in: Eur J Heart Fail. 2021 Feb;23(2):345. doi: 10.1002/ejhf.2153. PMID: 32621569.
2. Moura B, Aimo A, Al-Mohammad A, <...> **Lapinskas T**, <...> Richards AM. **Integration of imaging and circulating biomarkers in heart failure: a consensus document by the Biomarkers and Imaging Study Groups of the Heart Failure Association of the European Society of Cardiology**. Eur J Heart Fail. 2021 Oct;23(10):1577-1596. doi: 10.1002/ejhf.2339. Epub 2021 Sep 14. PMID: 34482622.
3. **Lapinskas T**, Kelle S, Grune J, et al. **Serelaxin Improves Regional Myocardial Function in Experimental Heart Failure: An In Vivo Cardiac Magnetic Resonance Study**. J Am Heart Assoc. 2020 Feb 4;9(3):e013702. doi: 10.1161/JAHA.119.013702. Epub 2020 Jan 31. PMID: 32000566; PMCID: PMC7033894.
4. **Lapinskas T**, Pedrizzetti G, Stoiber L, et al. **The Intraventricular Hemodynamic Forces Estimated Using Routine CMR Cine Images: A New Marker of the Failing Heart**. JACC Cardiovasc Imaging. 2019 Feb;12(2):377-379. doi: 10.1016/j.jcmg.2018.08.012. Epub 2018 Oct 17. PMID: 30343088.
5. **Lapinskas T**, Hireche-Chikaoui H, Zieschang V, et al. **Effect of comprehensive initial training on the variability of left ventricular measures using fast-SENC cardiac magnetic resonance imaging**. Sci Rep. 2019 Aug 21;9(1):12223. doi: 10.1038/s41598-019-48685-1. PMID: 31434950; PMCID: PMC6704124.
6. Pedrizzetti G, **Lapinskas T**, Tonti G, et al. **The Relationship Between EF and Strain Permits a More Accurate Assessment of LV Systolic Function**. JACC Cardiovasc Imaging. 2019 Sep;12(9):1893-1895. doi: 10.1016/j.jcmg.2019.03.019. Epub 2019 May 15. PMID: 31103586.
7. Bucius P, Erley J, Tanacli R, <...> **Lapinskas T**, Kelle S. **Comparison of feature tracking, fast-SENC, and myocardial tagging for global and segmental left ventricular strain**. ESC Heart Fail. 2020 Apr;7(2):523-532. doi: 10.1002/ehf2.12576. Epub 2019 Dec 4. PMID: 31800152; PMCID: PMC7160507.
8. **Lapinskas T**, Astasauskaite S, Padervinskiene L, et al. **Changes in Left Ventricular Hemodynamic Forces in Breast Cancer Patients Under Anthracycline Therapy: The CMR Study**. Can J Cardiol. 2025 Oct;41(10):2069-2071. doi: 10.1016/j.cjca.2025.05.003. Epub 2025 May 10. PMID: 40354892.
9. Korosoglou G, Giusca S, Montenbruck M, <...> **Lapinskas T**, <...> Steen H. **Fast Strain-Encoded Cardiac Magnetic Resonance for Diagnostic Classification and Risk Stratification of Heart Failure Patients**. JACC Cardiovasc Imaging. 2021 Jun;14(6):1177-1188. doi: 10.1016/j.jcmg.2020.10.024. Epub 2021 Jan 13. Erratum in: JACC Cardiovasc Imaging. 2024 Feb;17(2):231. doi: 10.1016/j.jcmg.2023.12.002. PMID: 33454266.
10. Gatta R, Vallati M, Fernandez-Llatas C, <...> **Lapinskas T**, <...> Castellano M. **What Role Can Process Mining Play in Recurrent Clinical Guidelines Issues? A Position Paper**. Int J Environ Res Public Health. 2020 Sep 11;17(18):6616. doi: 10.3390/ijerph17186616. PMID: 32932877; PMCID: PMC7557817.

Major Research Interest

My research focuses on advanced cardiovascular imaging and its application to the diagnosis, risk stratification, and pathophysiological understanding of **heart failure** and **ischemic heart disease**. I have a particular interest in **cardiovascular magnetic resonance (CMR)**, including parametric mapping, myocardial strain analysis, hemodynamic forces, tissue characterization, and quantitative perfusion. I also investigate imaging biomarkers in **cardiotoxicity**, **non-ischemic cardiomyopathies**, and **post-infarction remodelling**, as well as the **integration of multimodality imaging for precision medicine**. A growing area of my work involves the **use of AI-supported imaging tools** and **data-driven phenotyping** to improve early detection of subclinical dysfunction and enhance clinical decision-making. My overarching goal is to advance imaging-based approaches that improve patient outcomes and support evidence-based cardiovascular care.