



SCMR LEVEL 1 COURSE

11-12 September, 2025 • Emmanuel Levinas Centre • Kaunas, Lithuania

DAY 1 • Thursday, 11 September

8:30 am - 9:00 am	Registration
SESSION I Moderators: Tomas Lapinskas and Vanessa Ferreira	
9:00 am - 9:10 am	Welcome and Introductions to the CMR course <i>Tomas Lapinskas, Vanessa Ferreira, Chiara Bucciarelli-Ducci</i>
9:10 am - 9:30 am	CMR safety: magnetic fields, contrast agents, devices <i>Lina Padervinskiene</i>
9:30 am - 9:50 am	CMR for assessment of cardiac structure and function <i>Tomas Lapinskas</i>
9:50 am - 10:10 am	LGE for tissue characterization <i>Chiara Bucciarelli-Ducci</i>
10:10 am - 10:30 am	CMR stress testing for myocardial ischemia and viability <i>Sebastian Kelle</i>
10:30 am - 10:50 am	BREAK

SESSION II Moderators: Audrone Vaitiekiene and Justina Jureviciute	
10:50 am - 11:10 am	CMR parametric mapping (T1, T2, ECV) <i>Vanessa Ferreira</i>
11:10 am - 11:30 am	CMR for Acute Coronary Syndromes <i>Vanessa Ferreira</i>
11:30 am - 11:50 am	CMR for MINOCA / INOCA <i>Chiara Bucciarelli-Ducci</i>
11:50 am - 12:10 pm	CMR for LVH, hypertension and athlete's heart <i>Audrone Vaitiekiene</i>
12:10 pm - 12:30 pm	CMR for HCM <i>Pauline Bucius</i>
12:30 pm - 12:50 pm	CMR for DCM and ACM <i>Justina Jureviciute</i>
12:50 pm - 1:40 pm	LUNCH

SESSION III Moderators: T. Zaremba and A. Banisaukaite	
1:40 pm - 2:00 pm	CMR for infiltrative cardiomyopathies <i>Tomas Zaremba</i>
2:00 pm - 2:20 pm	CMR for myocarditis <i>Vanessa Ferreira</i>
2:20 pm - 2:40 pm	CMR for pericardial diseases <i>Audra Banisaukaite</i>
2:40 pm - 3:00 pm	BREAK

HANDS ON SESSION I	
3:00 pm - 3:40 pm	Hands-on: LV and RV contouring (6 cases) <i>Tomas Lapinskas, Lina Padervinskiene</i>
3:40 pm - 4:40 pm	Hands-on: Stress CMR and LGE (8 cases) <i>Sebastian Kelle, Justina Jureviciute</i>
4:40 pm - 5:00 pm	Hands-on: MINOCA (2 cases) <i>Chiara Bucciarelli-Ducci, Paulius Bucius</i>
5:00 pm - 6:20 pm	Hands-on: MINOCA (2 cases) <i>Audrone Vaitiekiene, Valdonė Strelciuniene</i>
6:20 pm - 6:30 pm	CLOSING REMARKS



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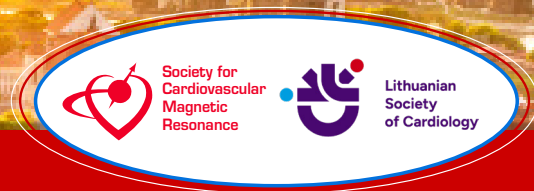
DAY 2 • Friday, 12 September

HANDS ON SESSION II	
8:40 am - 9:00 am	Hands-on: sponsor's postprocessing tool
9:00 am - 9:20 am	Hands-on: sponsor's postprocessing tool
9:20 am - 11:00 am	Hands-on: cardiomyopathies (10 cases) <i>Paulius Bucius, Antanas Jankauskas</i>
11:00 am - 11:20 am	BREAK

SESSION IV Moderators: Antanas Jankauskas and Sigita Glaveckaite	
11:20 am - 11:30 am	CMR flow imaging: phase contrast and velocity encoding <i>Antanas Jankauskas</i>
11:30 am - 11:50 am	CMR for valvular heart disease <i>Sigita Glaveckaite</i>
11:50 am - 12:10 pm	CMR for cardiac masses <i>Audra Banišauskaitė</i>
12:10 pm - 12:30 pm	CMR for aortic diseases <i>TBC</i>
12:30 pm - 1:00 pm	CMR for congenital heart disease – Basic level <i>TBC</i>
1:00 pm - 2:00 pm	LUNCH

HANDS ON SESSION III	
2:00 pm - 2:20 pm	Hands-on: iron overload (2 cases) <i>Tomas Zaremba, Lina Padervinskiene</i>
2:20 pm - 3:00 pm	Hands-on: myocarditis / pericardial diseases (4 cases) <i>Vanessa Ferreira, Tomas Lapinskas</i>
3:00 pm - 3:20 pm	BREAK

HANDS ON SESSION IV	
3:20 pm - 4:00 pm	Hands-on: valvular heart disease (4 cases) <i>Sigita Glaveckaite, Antanas Jankauskas</i>
4:00 pm - 4:40 pm	Hands-on: cardiac masses (4 cases) <i>Audra Banišauskaitė, Valdonė Strelčiūnienė</i>
4:40 pm - 5:00 pm	Hands-on: aortic diseases (3 cases) <i>Tomas Zaremba, Audrone Vaitiekienė</i>
5:00 pm - 5:50 pm	Hands-on: congenital heart disease (5 cases) <i>TBC</i>
5:50 pm - 6:00 pm	CLOSING REMARKS <i>Tomas Lapinskas, Vanessa Ferreira, Chiara Bucciarelli-Ducci</i>



FACULTY



Audra Banišauskaitė

- Radiologist at the Hospital of Lithuanian University of Health Sciences Kauno klinikos
- PhD fellow in CMR at Lithuanian University of Health Sciences

Audra Banišauskaitė is a board-certified radiologist with advanced specialization in cardiovascular radiology, currently working in the Department of Radiology at the Hospital of the Lithuanian University of Health Sciences Kauno klinikos. Her expertise is built on extensive training, including distinguished fellowships in cardiovascular imaging at the Liverpool Heart and Chest Hospital (United Kingdom) in 2019 and 2020. In 2024 she was awarded a fellowship by the European School of Radiology and the European Society of Cardiovascular Radiology, which she completed at Amsterdam University Medical Centre (Netherlands).

Alongside her clinical work, Banišauskaitė is actively engaged in research as a doctoral student at the Lithuanian University of Health Sciences, where she continues to contribute to advancements in cardiovascular imaging.

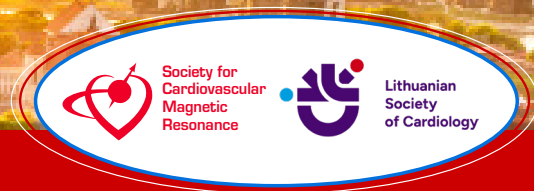


Dr. Chiara Bucciarelli-Ducci

- SCMR Chief Executive Officer, Consultant Cardiologist, The Royal Brompton Hospital, UK
- Dr Bucciarelli-Ducci is a consultant cardiologist and imaging specialist at the Royal Brompton and Harefield Hospitals, Guys' and St Thomas NHS Trust in London, United Kingdom
- She is also an honorary Reader (equivalent to Associate Professor) at the School of Biomedical Engineer and Imaging Sciences at King's College London

In 2022 she was awarded the prestigious Imperial College Alumni Emerging Leaders award. From 2010 to 20221 she was a Senior Lecturer in Cardiology at the University of Bristol and honorary cardiologist at the Bristol Heart Institute, University Hospitals Bristol NHS Trust, Bristol, United Kingdom. She was also the co-Director of the Clinical Research and Imaging Centre (CRIC) Bristol, University of Bristol. She was awarded a PhD in Cardiac Magnetic Resonance at the National Heart and Lung Institute, Imperial College London in 2012. In May 2019 she was also appointed Chief Executive Officer of the Society for Cardiovascular Magnetic Resonance (SCMR) with headquarters in the United States. She is the past European Association of Cardiovascular Imaging (EACVI) Vice-President and chair of the cardiac MRI section (2016-2018), within the European Society of Cardiology (ESC). She was part of the writing committee for the 2017 ESC guidelines on STEMI and the 2018 ESC/AHA/ACC/WHF 4th definition of myocardial infarction.

She has been a consultant for the International Atomic Energy Agency (IAEA) (for medical imaging) of the United Nations and a consultant for the European Medicines Agency (EMA) (for MRI contrast agents) of the European Union. Since 2020, she is the Deputy Editor (Imaging) of the European Heart Journal. She has over 243 peer-reviewed publications (pubmed) mainly in CMR in NEJM, JAMA, JACC, JACC Imaging, Circulation, Circulation Imaging, European Heart Journal, European Heart Journal Cardiovascular Imaging. She is in the editorial board of Circulation Imaging, JACC imaging and European Heart Journal Cardiovascular Imaging.



FACULTY



Paulius Bučius

- Cardiologist at the Hospital of Lithuanian University of Health Sciences Kauno klinikos
- PhD fellow in CMR at Lithuanian University of Health Sciences

Paulius Bučius is a board-certified cardiologist in the department of Cardiology at the Hospital of Lithuanian University of Health Sciences Kauno klinikos. He has completed CMR training and fellowships at the German Heart Center in Berlin and Zurich University Hospital.

At the moment Paulius is a PhD candidate at the Lithuanian University of Health Sciences. As a cardiologist Paulius is focusing on advanced cardiac imaging in heart failure and cardiomyopathies. He is actively engaged in both clinical and scientific work.

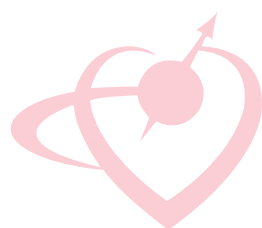


Professor Vanessa Ferreira

- SCMR Vice President, Professor of Cardiovascular Medicine University of Oxford, UK
- SCMR Vice President

Professor Vanessa Ferreira, MD DPhil FRCPC FSCMR, is Professor of Cardiovascular Medicine at the University of Oxford. She is a cardiologist, and Deputy Clinical Director of the Oxford Centre for Clinical Magnetic Resonance Research (OCCR). She obtained her Bachelor of Science at the Massachusetts Institute of Technology (Cambridge, MA, USA), and Doctor of Medicine at the University of British Columbia (Vancouver, BC, Canada). She subsequently obtained a Doctor of Philosophy in Cardiovascular Medicine at the University of Oxford. She is the current SCMR Vice President. Professor Ferreira served as a SCMR board member (2016-2019 and 2023-present), and is on multiple committees within the SCMR and other international professional societies. She is Visiting Professor at the University of Hong Kong (2023-2027).

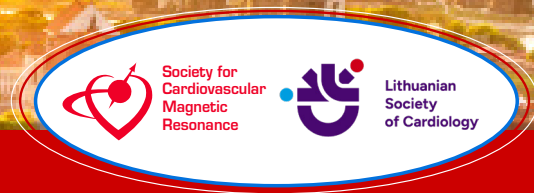
Professor Ferreira has expertise in quantitative CMR techniques, particularly parametric-mapping, and their clinical applications in the investigation of ischaemic and non-ischaemic cardiovascular diseases.



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Professor Sigita Glaveckaite

- Professor of Cardiology at Vilnius University
- Head of the Cardiovascular Imaging Department at Vilnius University Hospital Santaros Klinikos Centre of Cardiology and Angiology
- Head of the Cardiovascular Disease Clinic at the Institute of Clinical Medicine, Vilnius University President of the Lithuanian Heart Association

Professor S. Glaveckaite is a board-certified cardiologist at the Centre of Cardiology and Angiology at Vilnius University. She has extensive training in cardiovascular imaging, including specialized training in cardiovascular magnetic resonance at leading medical centers across Europe, such as St. Bartholomew's Hospital (London, UK), Sart Tilman Hospital (Liege, Belgium), the Institute of Child Health (London, UK), Royal Brompton Hospital (London, UK), IKEM Hospital (Prague, Czech Republic), and Charité Hospital (Berlin, Germany).

Main fields of interest: structural heart diseases, chronic coronary syndromes, cardiovascular magnetic resonance, and cardiac computed tomography.

In 2011, Professor S. Glaveckaite completed her PhD thesis, titled "Value of Cardiovascular Magnetic Resonance for the Prediction of Left Ventricular Functional Recovery after Revascularisation". She holds international and national certifications for conducting and interpreting cardiac magnetic resonance imaging studies, as well as a national certification for performing and interpreting cardiac computed tomography exams.

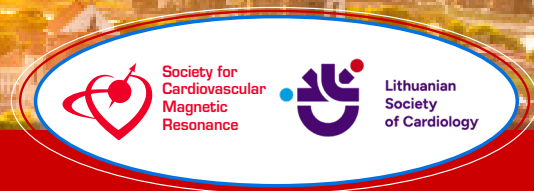
Since 2021, Prof. S. Glaveckaite has been serving as Head of the Cardiovascular Imaging Department at Vilnius University Hospital Santaros Klinikos and a Member of the Council of the Vilnius University Faculty of Medicine. In 2022, she also became the Head of the Cardiovascular Disease Clinic at the Institute of Clinical Medicine, Vilnius University. Professor Glaveckaite is active in academic and research fields, supervising students, fellows, and PhD students. She is also engaged in public service as President of the Lithuanian Heart Association.



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Associate Professor Antanas Jankauskas

- Radiologist at the Hospital of Lithuanian University of Health Sciences Kauno klinikos
- Head of the Cardiovascular unit at the Department of Radiology of the Hospital of Lithuanian University of Health Sciences Kauno klinikos

Dr. Jankauskas earned his master's degree in Medicine in 2000, followed by his Medical Doctor qualification in 2001 and his Radiologist qualification in 2003, at Lithuanian University of Health Sciences. He further advanced his academic qualifications by obtaining a Doctoral degree (PhD) from the Lithuanian University of Health Sciences in 2009.

His professional career began as a Radiologist at Hospital of Lithuanian University of Health Sciences Kauno klinikos in 2003. Currently he is a Head of Cardiovascular sector at the Department of Radiology. He joined the academic staff of the Lithuanian University of Health Sciences in 2009 as a lecturer, researcher and Associate Professor since 2020.

Dr. Jankauskas has actively sought further specialization, particularly in cardiac imaging, through internships in Munich (Hospital Rechts der Isar and Deutsches Herzzentrum, 2005-2006) and Berlin (Charité Hospital, 2012). He also successfully passed the European Society of Cardiovascular Radiology (ESCR) Cardiac Imaging Examination in 2016. He is a long-time member of ESCR and Lithuanian Association of Radiologists.

His research experience includes participation as an investigator in biomedical and clinical trials, such as the DISCHARGE study (2012-20218), CARDIOVALVE (2017-2019), and TRICUS (2018-2020).



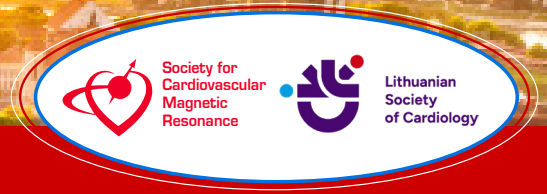
Justina Jurevičiūtė

- Cardiologist at the Hospital of Lithuanian University of Health Sciences Kauno klinikos
- PhD fellow in CMR at Lithuanian University of Health Sciences

Justina Jureviciute is a certified doctor cardiologist, currently working at the Cardiology department of Hospital of Lithuanian University of Health Sciences. Since finishing her Cardiology residency program in 2019, she has been working in Ischaemic Heart Disease unit and is a member of CMR unit of Cardiology department in the Hospital of Lithuanian University of Health Sciences Kauno klinikos.

Since finishing her Cardiology residency program in 2019, she has gained theoretical and practical expertise in CMR field, while working in the Cardiac MRI unit and having been training in most famous CMR centers in Europe. Her most extensive trainings in Cardiology included fellowships in German Heart Center Berlin in Germany and Cardiovascular Imaging Unit at Vall Hebrón Hospital in Barcelona, Spain.

Currently being the 3rd year PhD candidate in Lithuanian University of Health Sciences and a cardiologist, she is know for doing her research work projects. Her current PhD studies consists of analysis of changes of Four-Dimensional (4D) flow of ascending aorta before and after surgical and transcatheter aortic valve replacement for patients with severe aortic stenosis.



FACULTY



Professor Sebastian Kelle

- Professor in Cardiology at the at the Deutsches Herzzentrum der Charité in Berlin, Germany
- Cardiovascular Imaging Unit at the Deutsches Herzzentrum der Charité at the Deutsches Herzzentrum der Charité in Berlin, Germany

Sebastian Kelle (cardiologist) is a professor of cardiac MRI at the Deutsches Herzzentrum der Charité in Berlin, Germany since 2017 and expert in cardiac MRI sequence development, clinical research in humans and also large animal studies. He led/leads different clinical imaging studies.

After training in internal medicine and cardiology at the German Heart Center Berlin and Charité University Medicine Berlin he spend 2 years as a research fellow at the Johns Hopkins University in Baltimore, USA. He founded in 2010 his own research group in Berlin and in 2014 the Cardiac MRI-CORE-LAB at Charité University Medicine Berlin and German Heart Center Berlin. Currently he is leading the Cardiovascular Imaging Unit at the Deutsches Herzzentrum der Charité and serves as the Course Director of the CMR-Academy.

In addition, he serves as the current Deputy Chair of the International Outreach Committee and is the Past-Chair of the Advocacy Committee of the Society for Cardiovascular Magnetic Resonance (SCMR) and Past-Speaker of the working group of cardiac MRI (AG21) of the German Cardiac Society (DGK).



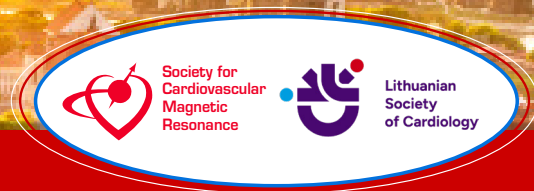
Professor Tomas Lapinskas

- LSC President, Professor of Cardiology of Lithuanian University of Health Sciences
- Head of the CMR unit at the Department of Cardiology of the Hospital of Lithuanian University of Health Sciences Kauno klinikos

Prof. Tomas Lapinskas is a board-certified cardiologist in the Department of Cardiology at the Hospital of Lithuanian University of Health Sciences Kauno klinikos. He has extensive training in cardiovascular imaging, having completed fellowships at the University of Ghent (Belgium), University Medical Center Rotterdam (Netherlands), and the German Heart Center Berlin from 2010 to 2012. From 2016 to 2018, he served as a clinical research fellow and MRI Core Lab member at the German Heart Center in Berlin.

In 2017, Prof. Lapinskas defended his PhD thesis titled “Cardiovascular Magnetic Resonance Feature Tracking for Assessing Myocardial Mechanics: From Experimental Studies to Clinical Research.” He earned European CMR Level 3 certification in the same year. As a dedicated educator, Prof. Lapinskas actively mentors medical students, interns, residents, and fellows. Since 2018, he has held the position of Director for Public Health, Research, and Education on the executive board of the Hospital of Lithuanian University of Health Sciences Kauno klinikos. He also serves as Course Director for the Kauno klinikos Leadership Academy. From 2018 to 2019, he pursued advanced studies in heart failure at the University of Zürich (Switzerland).

In 2022, Prof. Lapinskas was appointed head of the CMR unit at Kauno klinikos. He has served as President of the Lithuanian Society of Cardiology since 2023.



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Associate Professor Lina Padervinskienė

- Head of the Emergency Radiology unit at the Hospital of Lithuanian University of Health Sciences Kauno klinikos
- Lecturer of Radiology of Lithuanian University of Health Sciences

Lina Padervinskienė is a board-certified radiologist in the Department of Radiology at the Hospital of Lithuanian University of Health Sciences Kauno klinikos. She has extensive training in cardiovascular imaging, having completed Clinical fellowships in Policlinico S. Orsola-Malpigi, Bologna, Italy (DEC-2011 – FEB-2012), in University College London Hospitals, The Heart Hospital, London, GB (MARCH-MAY 2012), in Vrije University Medical Centre, Dept. Pulmonary Disease, Amsterdam, The Netherlands (JAN 2015), ERS short term research training fellowship, University Medical Center, Department of Pulmonary Medicine, Amsterdam, The Netherlands (SEP-DEC 2016), Observership in Imperial College NHS Healthcare Trust/ St. Mary's hospital, London, GB (NOV 2019) and Clinical fellowship in Turku University Hospital, Turku, Finland (JAN 2022).

In 2020, Lina Padervinskienė defended her PhD thesis titled "Prognostic Value of Biventricular Function, Mechanics and Pulmonary Artery Changes in Precapillary Pulmonary Hypertension: Cardiovascular Magnetic Resonance Imaging Study".

As a committed educator, Lina Padervinskienė actively mentors medical students, interns, residents, and fellows.



Associate Professor Darius Palionis

- Associate Professor of Radiology of Vilnius University Medical Faculty,
- VASCA European Reference Center expert for vascular malformations

Assoc. Prof. Dr. Darius Palionis is a board-certified radiologist in the Department of Radiology at the Vilnius University Hospital Santaros klinikos. He has extensive training in cardiovascular imaging, having completed fellowships at the St Bartholomew's Hospital (London, United Kingdom) under prof. James Moon and dr. Anna Herrey (2012, 2016, 2018) European CMR Level 3 certification.

From 2022 he served as a deputy manager to Vascular Malformations Reference center at Vilnius University Hospital Santaros klinikos, which is part of VASCA European Reference Center network.

In 2018, Assoc. Prof. Dr. Darius Palionis defended his PhD thesis titled "The Importance and Clinical Application of Magnetic Resonance Tomography Contrast Unenhanced Sequences in Diagnostics of Aorta Pathology". He has served as board member of the Baltic Society of Cardiovascular Magnetic Resonance since 2016.

As a dedicated educator, Assoc. Prof. Dr. Darius Palionis actively mentors' medical students, interns, residents, and fellows. The scientific field of interest is CMR and vascular malformations imaging, artificial intelligence.



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Valdonė Strelčiūnienė

- Radiologist at the Hospital of Lithuanian University of Health Sciences Kauno klinikos

Dr. Valdonė Strelčiūnienė is a board-certified radiologist in the Department of Radiology at the Hospital of Lithuanian University of Health Sciences Kauno Klinikos. With a specialized focus on cardiovascular imaging, she completed extensive training during her residency and further honed her expertise through a fellowship at the Liverpool Heart and Chest Hospital in 2023.

In addition to her clinical practice, Dr. Strelčiūnienė is a dedicated educator, serving as a lecturer at the Lithuanian University of Health Sciences, where she teaches medical students about cardiothoracic imaging techniques.

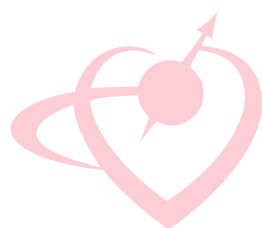


Audrone Vaitiekienė

- Cardiologist at the Hospital of Lithuanian University of Health Sciences Kauno klinikos

Dr. Audrone Vaitiekienė works as a cardiologist in the Department of Cardiology at the Hospital of Lithuanian University of Health Sciences Kauno klinikos. At this moment she mainly works in the field of cardiovascular imaging – cardiovascular magnetic resonance and computed tomography. She has undergone extensive training in cardiovascular imaging during fellowships at the Leipzig Heart Centre (University of Leipzig, Germany) in 2012 and 2018, and CT hands-on courses in Berlin, Germany in 2016 and Budapest, Hungary in 2024.

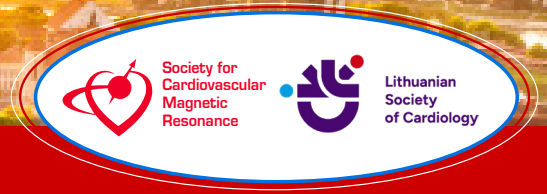
In 2024 Audrone Vaitiekienė defended PhD thesis titled “Evaluation of cardiac damage using different imaging modalities in patients undergoing haematopoietic stem cell transplantation”. She was a lector in the CMR introductory course and routinely mentor medical students, residents, and fellows.



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Professor Nomeda Valevičienė

- Professor of Vilnius University Medical Faculty,
- The President of the Baltic Society of Cardiovascular MRI,
- Head of the CMR department at the Vilnius University Hospital Santaros klinikos.

Prof. Dr. Nomeda Valevičienė is a board-certified radiologist in Vilnius University Hospital Santaros klinikos. She has extensive training in cardiovascular imaging, having completed fellowships at London St Bartholomew's Hospital (United Kingdom) under prof. James Moon and dr. Anna Herrey (2012, 2016, 2018), European CMR Level 3 certification.

UEMS Radiology section representative from Lithuania since 2006. The senior radiologist in the Ministry of health of Lithuania 2015–2019. The chairwoman in the radiology exams 2000–2019. As a dedicated educator, Prof. Dr. Nomeda Valevičienė actively mentors' medical students, interns, residents, and fellows.

Prof. Dr. Nomeda Valevičienė is an experienced scientist with over 135 publications in Journals listed in WoS DB with SCIE or SSCI citation index and other local journals. Five books with co-authors are written in the field of magnetic resonance, cardiac magnetic resonance imaging. Speaker at local and international congresses. The scientific field of interest is magnetic resonance imaging, artificial intelligence.



Clinical Associate Professor Tomas Zaremba

- Cardiologist at the Aalborg University Hospital, Denmark
- Head of the CMR department at Aalborg University Hospital, Denmark

Dr. Zaremba is a board-certified cardiologist since 2011 with over a decade of experience in the clinical and academic applications of CMR. Currently serving as the head of the CMR department at Aalborg University Hospital, Denmark, Dr. Zaremba specializes in advanced cardiac imaging, with a dual focus on CMR and echocardiography. He holds a PhD in radiotherapy in patients with cardiac implantable electronic devices awarded in 2015 and is certified in CMR by the European Association of Cardiovascular Imaging.

Dr. Zaremba has also contributed to the field of CMR through active involvement in the Cardiovascular Imaging Working Group of the Danish Society of Cardiology. Dr. Zaremba supervises students and junior doctors in research projects, fostering their academic development and engagement in CMR.

He has also authored numerous peer-reviewed publications and presented at national and international conferences, contributing to the advancement of cardiovascular imaging.