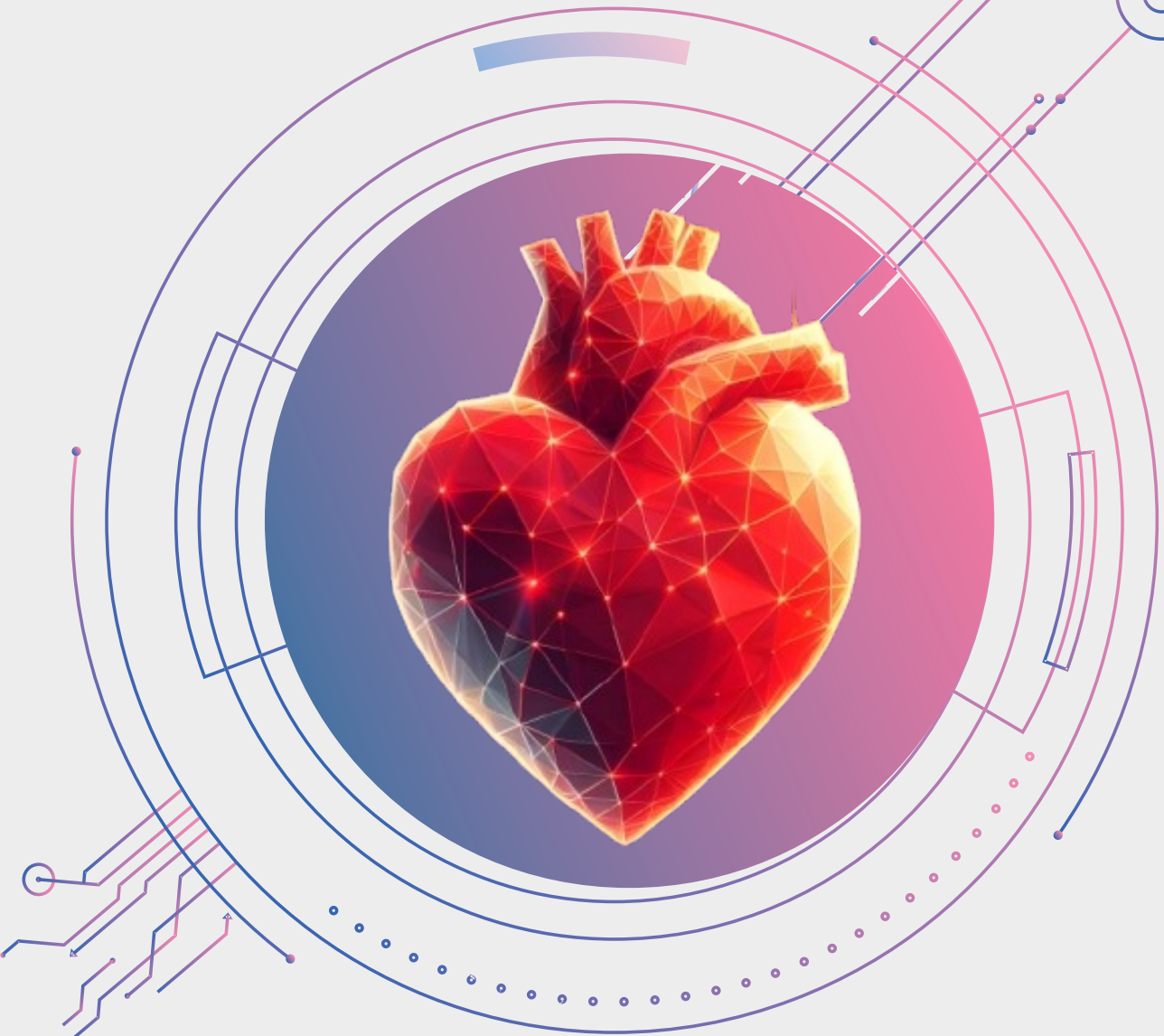


CMR IN MODERN CARDIOLOGY 2025 BELGRADE



INTERNATIONAL WORKSHOP DEDINJE CARDIOVASCULAR INSTITUTE



Welcome to the second cardiac magnetic resonance (CMR) workshop organized by Dedinje Cardiovascular Institute. This workshop, as it was the previous one, is endorsed by EACVI and will be accredited by the Medical Council of Serbia.

30th October - 1st November 2025.

HEART • SIGNAL • INNOVATION – REGISTER NOW

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Institute for Cardiovascular Diseases
"Dedinje"

Event endorsed by
EACVI
European Association of
Cardiovascular Imaging

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MEDICINE**



WELCOME NOTE

Dear friends,

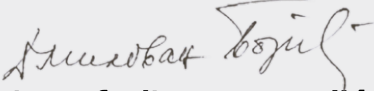
Welcome to the second cardiac magnetic resonance (CMR) workshop organized by Dedinje Cardiovascular Institute. This workshop, as it was the previous one, is endorsed by EACVI and will be accredited by the Medical Council of Serbia. More than 1 year after our first successful international CMR workshop, we are happy to cordially invite you to our second workshop. In meantime, we significantly increased number of CMR exams during 2024. Finally, we did more than 2000 exams in 2024, hoping that we will overcome 2500 CMR exams during 2025. Currently, Dedinje Cardiovascular Institute is doing 11 CMR exams per day. Goran Lončar obtained level 3 CMR certification by EACVI, while Milica Dragičević Antonić and Ljiljana Ranković Ničić reached level 2. The final goal is that all members of the Dedinje CMR team will be certified by EACVI. We started CMR training for our colleagues from Serbia and abroad (e.g. Institute for Cardiovascular Diseases Sremska Kamenica, University Clinical Center of Montenegro). In near future, the official CMR Dedinje school will be initiated with already approved program and concept. In parallel with regular clinical workload, another important focus is on the research. After complex procedure, our lab became approved research CMR lab for GE in 2024, which provided us possibility to use research sequences (such as oxygen sensitive stress sequence, T2 smart map). Currently, we are performing CMR trials with Cornell -Weill University New York, McGill University, and Berlin Charite Hospital. Several of our own academic studies are ongoing in the 4D flow, oxidative stress, HCM, Fallot patients, and quantitative perfusion. In 12/2025 we will apply for the EACVI accreditation of our laboratory in CMR.

We are very happy and grateful that the greatest CMR authorities from our country (Prof. Ružica Maksimović, Prof. Ida Jovanović, Assoc. Prof. Marija Zdravković, Assoc. Prof. Radoslav Vidaković), as well as our distinguished guests and friends from Slovenia (Ass. Maja Pirnat), Switzerland (Prof. Robert Manka, Prof. Sebastian Kozerke), Slovakia (Prof. Jana Polakova Mištinova), Canada (Prof. Mathias Friedrich), England (Prof. Sarah Moharem) accepted to share their rich knowledge with us at this meeting. Special thanks we owe to our CMR teachers Prof. R. Manka, Prof. I. Jovanović, and Ass. M. Pirnat. The focus of our workshop is on interaction, which limits the number of participants up to 30.

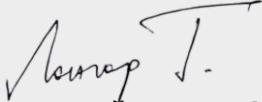
We refreshed program of the second workshop compared to the previous one. We introduced important lecture on CMR principals and physics at the start of workshop. Thus, our lectures flow from basic CMR physics through the most common clinical contexts for CMR use, finishing with advanced CMR including application and future of artificial intelligence in CMR and 4D flow. Topics on quantitative perfusion further importantly enriched our program. Day 2 is highly practical with hands-on sessions including Live CMR cases with expert interpretation & Interactive case review session - What do you see?

Our workshop was possible due to the strong support of the CEO of the Dedinje Cardiovascular Institute Prof. Milovan Bojić, to whom the entire CMR Dedinje team owes a great gratitude.

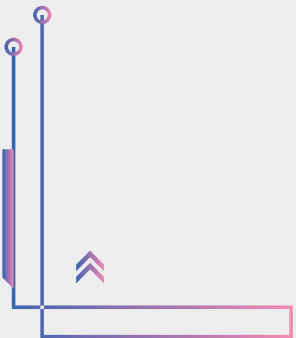
We wish you a successful, fruitful and very interactive meeting! Enjoy in Dedinje, Belgrade and Serbia!



Acad. Prof. Milovan M. Bojić
CEO of Dedinje Cardiovascular Institute



Asst. Prof. Goran Lončar, MD, PhD, FESC, SRA
Head of CMR unit, Dedinje Cardiovascular Institute



BASIC INFORMATIONS

Organizer:

Dedinje Cardiovascular Institute

Workshop venue:

Dedinje Cardiovascular Institute, Heroja Milana Tepica 1, 11000 Belgrade, Serbia

Workshop time:

31th October 2025 – 01st November 2025

The registration fee for the workshop is 400 euro

Language of the congress

English

Workshop accreditation:

The congress program will be accredited by the Medical Council of Serbia

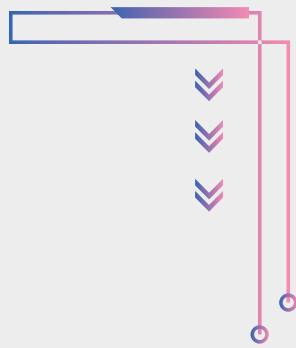
Contact persons for registration:

Vladimir Mihajlović (MD) vlada_sd@yahoo.com

Bojana Ilić (MD) ilicbojana91@gmail.com

Presidents of the workshop

Acad.Prof Milovan M. Bojić & Prof. Robert Manka & Asst. Prof. Goran Lončar



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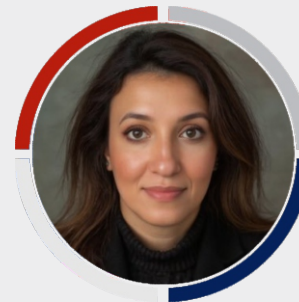
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This event is based on recent ESC Guidelines and/or ESC constituent bodies consensus documents, such as:

2024 ESC Guidelines for the management of Chronic Coronary Syndrome;

2023 ESC Guidelines for the management of cardiomyopathies;

2022 ESC Guidelines for the management of patients with ventricular arrhythmias and the prevention of sudden cardiac death;

2021 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure;

2020 ESC Guidelines for the management of Adult Congenital Heart Disease;

2023 Imaging in patients with cardiovascular implantable electronic devices: part 2—imaging after device implantation.

A clinical consensus statement of the European Association of Cardiovascular Imaging (EACVI) and the European Heart Rhythm Association (EHRA) of the ESC; How to evaluate cardiomyopathies by cardiovascular magnetic resonance parametric mapping and late gadolinium enhancement *European Heart Journal - Cardiovascular Imaging*, Volume 23,

Issue 5, May 2022, EACVI position paper; Petersen SE et al. European Association of Cardiovascular Imaging expert consensus paper: a comprehensive review of cardiovascular magnetic resonance normal values of cardiac chamber size and aortic root in adults and recommendations for grading severity *European Heart Journal - Cardiovascular Imaging* 2019;

20:1321–1331; Florian von Knobelsdorff-Brenkenhoff & Jeanette Schulz-Menger. Cardiovascular magnetic resonance in the guidelines of the European Society of Cardiology: a comprehensive summary and update. *Journal of Cardiovascular Magnetic Resonance* 2023;25, Article number: 42.



WORKSHOP PROGRAM

Friday, 31st October 2025 08:30 – 17:30

Moderators: Prof. Robert Manka, Prof. Ida Jovanović; Prof. Ružica Maksimović; Prof. Sebastian Kozerke, Prof. Mathias Friedrich, Assoc. Prof. Marija Zdravković; Assoc. Prof. Jana Polakova Mištinova, Assoc. Prof. Radoslav Vidaković; Ass. Maja Pirnat (MD, PhD); Waldemar Senczenko (PhD); Asst. Prof. Goran Lončar.

08:30 - 09:00

Participant registration and welcome coffee

09:00 - 09:10

Opening remarks

(Acad. Prof. Milovan M. Bojić, CEO)

09:10 - 09:40

Introduction to CMR (Principles and Physics)

(W. Senczenko, PhD)

09:40 - 10:00 Discussion

SESSION 1 CMR in myocardial disease

10:00 - 10:20

Dilated cardiomyopathy and non-dilated left ventricular cardiomyopathy

(Prof. R. Maksimović)

10:20 - 10:30 Discussion

10:30 - 11:00

Thickened heart

(Ass. M. Pirnat, MD, PhD)

11:00 - 11:10 Discussion

11:10 - 11:30

Arrhythmogenic cardiomyopathy

(Asst. Prof. Goran Lončar)

11.30 - 11.40 Discussion

11:40 - 12:00

MINOCA

(Assoc. Prof. M. Zdravković)

12:00 - 12:10 Discussion

12:10 - 12:30

Coffee pause

WORKSHOP PROGRAM

Friday, 31st October 2025 08:30 – 17:30

Moderators: Prof. Robert Manka, Prof. Ida Jovanović; Prof. Ružica Maksimović; Prof. Sebastian Kozerke, Prof. Mathias Friedrich, Assoc. Prof. Marija Zdravković; Assoc. Prof. Jana Polakova Mištinova, Assoc. Prof. Radoslav Vidaković; Ass. Maja Pirnat (MD, PhD); Waldemar Senczenko (PhD); Asst. Prof. Goran Lončar.

SESSION 2 CMR in ischaemic heart disease

12:30 - 13:00

Myocardial ischaemia/viability
(Prof. R. Manka)

13:00-13:15 Discussion

13:15 - 13:45

Oxygen sensitive CMR
(Prof. M. Friedrich)

13:45 - 14:00 Discussion

14:00 - 15:00

Lunch

SESSION 3 CMR in special populations

15:00 - 15:20

Evaluation of Hemodynamics by Magnetic Resonance
Practical Insights from Tetralogy of Fallot
(Prof. I. Jovanović)

15:20 - 15:30 Discussion

15:30 - 16:00

4D Flow CMR: Applications and Limitations
(Prof. J. Polakova Mištinova)

16:00 - 16:10 Discussion

16:10 - 16:30

Cardiac thrombus/tumor
(Asst. Prof. R. Vidaković)

16:30 - 16:40 Discussion

16:40 - 17:00

Patients with pacemakers
(Prof. R. Manka)

17:00 - 17:10 Discussion

17:10 - 17:30

CMR in valvular diseases
(Prof. S. Moharem Elgamal)

17:30 - 18:00

Q&A and wrap-up of Day 1
(Prof. R. Manka and Asst. Prof. Goran Lončar.)

WORKSHOP PROGRAM

Saturday, 01st November 2025, 08:00 - 17:00

Moderators: Prof. Robert Manka, Prof. Ida Jovanović; Prof. Ružica Maksimović; Prof. Sebastian Kozerke, Prof. Mathias Friedrich, Assoc. Prof. Marija Zdravković; Assoc. Prof. Jana Polakova Mištinova, Assoc. Prof. Radoslav Vidaković; Ass. Maja Pirnat (MD, PhD); Waldemar Senczenko (PhD); Asst. Prof. Goran Lončar.

Participants of the workshop will be divided into 2 groups. One group will be in the session with live CMR cases with expert interpretation. Other group of participants will have a parallel interactive case review session. All participants will attend session 4 (2 lectures) which will be held at 11 am.

I Hands-on session – live CMR cases with expert interpretation

Four patients will be scanned, two from 8 am – 11 am, two from 2 pm – 5 pm (each group will scan 2 patients) Each group will scan one patient with cardiomyopathy and one patient with stress perfusion test.

II Interactive case review session - What do you see?

(first group from 08:00 - 11:00, and second group from 14:00 - 17:00). Each case review max. 20 minutes. Hands-on with CMR Software CVI 42 (10 working stations available).

1. **HCM** (Ljiljana Ranković Ničić, MD, MSc)
2. **MINOCA** (Snežana Trajić, MD, MSc)
3. **Perfusion stress test/viability** (Gordana Stamenković, MD)
4. **Thickened heart - cardiac amyloidosis** (Milica Dragičević Antonić, MD)
5. **DCM** (Bojana Ilić, MD)
6. **Cardiac tumor/thrombus** (Vladimir Mihajlović, MD)
7. **ARVC** (Nataša Cvetinović, MD)

SESSION 4 Cardiac MRI: A Look into the Future

11:00 - 11:30

Quantitative stress perfusion
(Prof. S. Kozerke)

11:30 - 11:40 Discussion

11:40 - 12:10

Inflammatory myopericardial disease
(Prof. Mathias Friedrich)

12:10 - 12:20 Discussion

12:20 - 12:50

AI in CMR: From acquisition to interpretation
(Prof. S. Kozerke)

12:50 - 13:00 Discussion

Lunch at 13:00 - 14:00. Coffee during sessions.

17:00 - 17:15

Certificate Ceremony, Feedback, and Closing Remarks
(Prof. R. Manka and Asst. Prof. Goran Lončar)



***CMR IN MODERN CARDIOLOGY
INTERNATIONAL WORKSHOP DEDINJE CARDIOVASCULAR INSTITUTE 2025***

***WEBSITE: www.ikvbd.org/cmr-workshop
ADDRESS: HEROJA MILANA TEPIKA 1, BELGRADE, SERBIA***