

Presentation of the Working Group on Arrhythmias and Cardiac Electrostimulation of the republic of N. Macedonia

Working group of arrhythmias and cardiac electrostimulation (WG) of N. Macedonia, part of the
Macedonian Cardiac Society (NCS)



***TEAM ARRHYTHMIAS – Working Group on Arrhythmias and Cardiac
Electrostimulation***

<https://aritmii.msccardiology.org.mk/en/home-2/>



**National Society of Cardiology
of North Macedonia**

<https://msccardiology.org.mk/en/home-v1-2/>



Our Country (N. Macedonia)

Our small country (1.7M), centrally located on the Balkan peninsula, is famous for its history, natural beauty and people's hospitality.

It's beautiful mountains, fast rivers, and lakes are just a small part of this incredible country. It represents an interesting example of a peaceful mix of different nations and nationalities, which together make a unique culinary haven.

It is known as the birthplace of Mother Theresa and the finest region for red wine in these parts of Europe.

- *Skopje – capital city.*

Health System

National Health System with public medical insurance for all.

TEAM ARRHYTHMIAS

Leading Force of the Working Group for Arrhythmias and Cardiac Electrostimulation

<https://aritmii.mscardiology.org.mk/en/team-arrhythmias/>

- Found: January 2024y.

Main and only goal:

(Dedicated to eradicate all known & unknown cardiac arrhythmias)

- To Promote the endless possibilities of the TEAMWORK,
- To Increase cardiac arrhythmias visibility among young Cardiologist (*new EP fellows*),
- To Educate new EP cardiologists,
- to Increase the awareness in the country regarding Atrial fibrillation, its complication and need for early treatment.

From the beginning of 2024 and reveling of TEAM ARRHYTHMIAS – we increased EP procedures exponentially, by also increasing the variety of EP ablations and types.



EP and Pacing centers

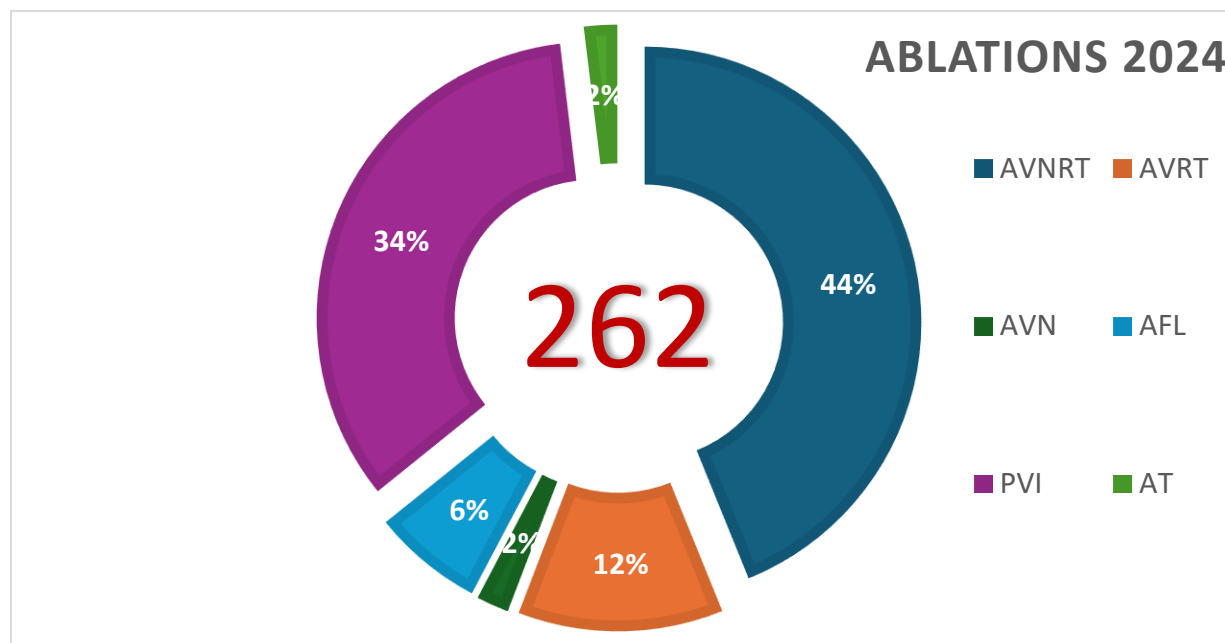
University clinic of Cardiology as part of University of St. Cyril and Methodious (in Skopje) is the only EP referral center in the country.

Regarding Cardiac Pacing, majority of CIED procedures are performed in University clinic of cardiology (between 90-95%), with only a small number (mostly single and dual chamber pacemakers) CIED implanted elsewhere (Public Hospital – 8th of September in Skopje, and Cardiology institute in Ohrid).

- **EP procedures 2024 – University Clinic of Cardiology / Skopje**

Ablations	SVT*	AT	PVc	RF PVI	Cryo PVI
262	168	5	4	62	28

* SVT includes: AVNRT, AVRT and AFL



- **CIED implantation procedures 2024 – University clinic of Cardiology/Skopje**

Total CIED 2024	Single/Dual chamber PM	CRT-p/d	CSP	ICD	ILR
519	395	52	24	41	7

National EP congress

The first international arrhythmology symposium “RhythmMK 2025” will be held this year from 30.05-01.06 – EHRA joint session is scheduled during this event

EHRA joint session – during NCS symposium in Skopje 2022y.

Certification

There is no National certification program for cardiac electrophysiology.

However, EHRA certification is recommended, but not compulsory.

We have one fully certified EHRA Electrophysiologist

EHRA collaboration:

EHRA members: 22

National Cardiac Society – representative (Jane Taleski, MD, PhD)



Young EHRA ambassador (Filip Janusevski, MD)



Future Objectives

From the beginning of 2024, and founding of TEAM ARRHYTHMIAS, we rapidly increased the number of EP ablations. For the near future we are planning:

- To increase the number of EP procedures,
- To increase the number of EP personnel,
- To increase collaboration with EHRA (membership and education),
- To ensure that EHRA certification program will be a golden standard for all EP fellows.
- To increase our research program with international collaboration.

To make our EP center in Skopje and TEAM ARRHYTHMIAS as a serious EP center/team, in our region and wider.