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# INTERNATIONAL CASE REPORT CONGRESS

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**HOLIDAY INN  
SKOPJE, N. MACEDONIA**

# BOOK OF ABSTRACTS КНИГА НА АПСТРАКТИ

~ International Case Report Congress ~  
~ April 2024 ~

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**МАКЕДОНСКО ЛЕКАРСКО ДРУШТВО**

Професионална организација на докторите по медицина

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Professional organization of the medical doctors

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### **Welcome Note**

Dear esteemed colleagues and friends,

With great pleasure, I extend a warm welcome to each and every one of you to the abstract book of the 2nd International Case Report Congress, proudly organized by the Macedonian Medical Association. It is an honor to convene once again and provide a platform for medical professionals worldwide to converge, exchange insights, and illuminate the intricate tapestry of unique medical cases.

As the President of the Macedonian Medical Association, I am deeply privileged to oversee this significant gathering, where healthcare professionals from diverse backgrounds and specialties unite. The forthcoming presentations and dialogues promise to be illuminating, fostering new discoveries, and pushing the boundaries of medical knowledge ever forward.

The case reports featured within this abstract book exemplify the unwavering dedication and relentless efforts of medical professionals in enhancing patient care and outcomes. They underscore the indispensable value of personalized, holistic approaches to patient management, as well as the imperative for ongoing research and education within our field.

I wish to extend my heartfelt gratitude to all participants, esteemed speakers, and diligent organizers for their invaluable contributions to this Congress. May the insights and experiences shared during this event serve as a beacon of guidance and inspiration for all those devoted to the advancement of medicine.

With warm regards,

Prof. Dr. Goran Dimitrov  
President of Macedonian Medical Association

~ International Case Report Congress ~  
~ April 2024 ~



Dr Onur Dika  
President  
Organizing Committee

Dear esteemed colleagues,

It is my distinct pleasure to extend a warm welcome to each of you as we convene for the 2nd International Case Report Congress. As the president of the organizing committee, I am deeply honored to play a role in orchestrating this significant event.

I am profoundly grateful to Prof. Dr. Goran Dimitrov, President of the Macedonian Medical Association, for entrusting me with the privilege to organize this congress and for his steadfast support of young medical professionals. His dedication to advancing medical knowledge is truly commendable.

I also wish to express my heartfelt appreciation to the hardworking members of the organizing committee whose tireless efforts have been instrumental in bringing this congress to fruition. Their commitment to excellence is evident in every aspect of our preparations.

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Over the coming days, we have the privilege of hearing from esteemed experts in the field of case reporting. I am confident that this congress will provide an invaluable opportunity for attendees to glean insights, exchange ideas, and forge new connections that will shape the future of medical practice.

Once again, I extend a warm welcome to each of you to the 2nd International Case Report Congress. I eagerly anticipate the enriching discussions and productive collaborations that lie ahead.

Warm regards,



### **Navigating ALCA-R Complexity: Clinical Presentation, Imaging, and Management**

SONJA NIKOLOVA<sup>1</sup>, Kristina Dimitrijevikj<sup>2</sup>, Marija Dokoska<sup>3</sup>  
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This case study explores the diagnostic challenges and management of Aberrant Left Coronary Artery Arising from the Right Coronary Sinus (ALCA-R), a rare coronary anomaly. Through advanced cardiac imaging, including coronary angiography and CT coronary angiography, the report highlights the importance of accurate diagnosis in a 69-year-old male with recurrent chest pain during exercise.

ALCA-R, though less common, presents unique diagnostic challenges and is considered more perilous than its counterpart. With a prevalence of approximately 0.15%, ALCA-R exhibits diverse anatomical variations, emphasizing the role of advanced cardiac imaging in classification and management decisions.

A 69-year-old male with recurrent chest pain during exercise underwent coronary angiography and CT coronary angiography, revealing an ALCA-R with a sub-pulmonic subtype. The anomalous artery traversed the right ventricular outflow tract, pulmonary infundibulum, and interventricular septum.

Recognition of ALCA-R's clinical implications is crucial, especially in patients with recurrent chest pain during exertion. Classified by course, ALCA-R includes categories like inter-arterial, intra-myocardial, retro-aortic, and anterior. Accurate diagnosis through advanced imaging guides intervention and risk assessment.

A multidisciplinary team evaluated the patient, including cardiologists and cardiac surgeons. Treatment options, including potential surgical correction, were discussed based on specific anatomical considerations identified through imaging.

This case study provides insights into the clinical and imaging aspects of ALCA-R, emphasizing the importance of accurate diagnosis and interdisciplinary collaboration for optimal patient care. The goal is to enhance awareness and proactive management of rare coronary anomalies. Aberrant Left Coronary Artery, ALCA-R, sub-pulmonic type, Coronary Anomalies, Coronary CT Angiography.