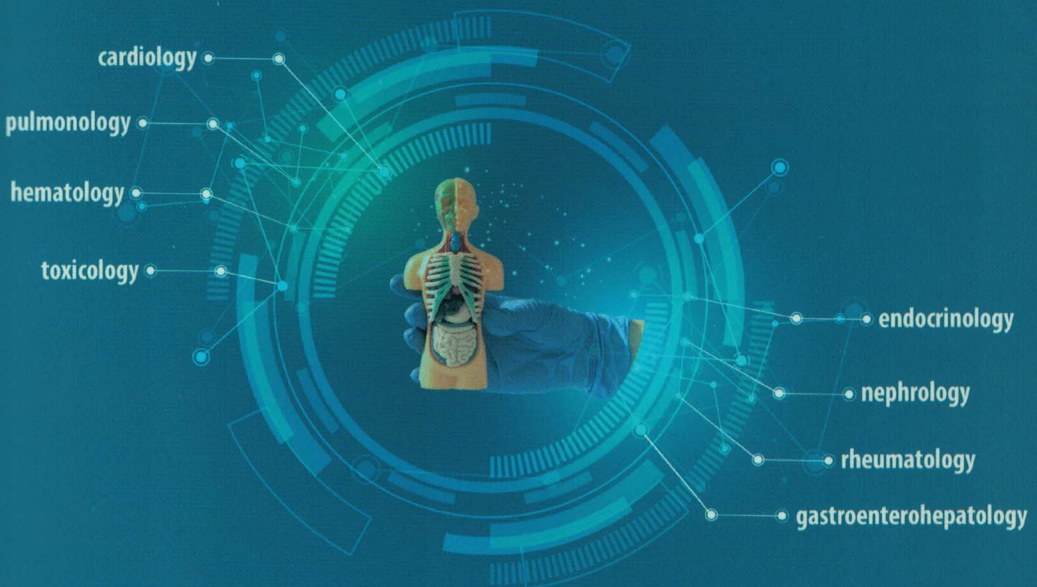




FIRST MACEDONIAN CONGRESS IN INTERNAL MEDICINE

**“A Mutual Multidisciplinary Approach
Towards the Guidelines Challenges”**

ABSTRACT BOOK



19-22 May 2022
Hotel Metropol - Ohrid, RNM

WELCOME ADDRESS

Respected and dear internists, dear associates and colleagues,

We welcome you to the First Macedonian Congress in internal medicine that will be held in Ohrid, Hotel Metropol, in the period between **19 – 22 May 2022**.

Over the past 10 years, the Association of Internist of RM, through the great and dynamic character of events, has managed to prove the need for a multidisciplinary approach and the importance of a holistic-central positioned internist, individually focused on the patient. Under the motto "A mutual multidisciplinary approach towards the guidelines challenges", we want to highlight the importance of communication and interdisciplinary cooperation between specialties, wherein the modern concept of Macedonian health care, prevention, and timely treatment should be strengthened.

Encouraged and motivated by the success of the multidisciplinary workshops, schools, and events that were organized in the previous 10 years, the First Macedonian Congress on Internal Medicine will aim to offer an extensive internist program, focusing on the diseases that carry the wave of high mortality and morbidity rate, in our country and beyond.

The city of Ohrid and the month of May, as the eternal authenticity of the congress beauties in Macedonia, will remind us of the true values of life and profession, which were limited for a moment by the Covid 19 pandemic.

With impatience and desire to exchange experiences.

We welcome you at the First Macedonian Congress in Internal Medicine.

D-r Aleksandar Manolev

President of Association of Internist of RM
President of the First Macedonian Congress in Internal Medicine

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19. AV BLOCK TYPE 2 AS A CARDIOVASCULAR COMPLICATION OF COVID-19

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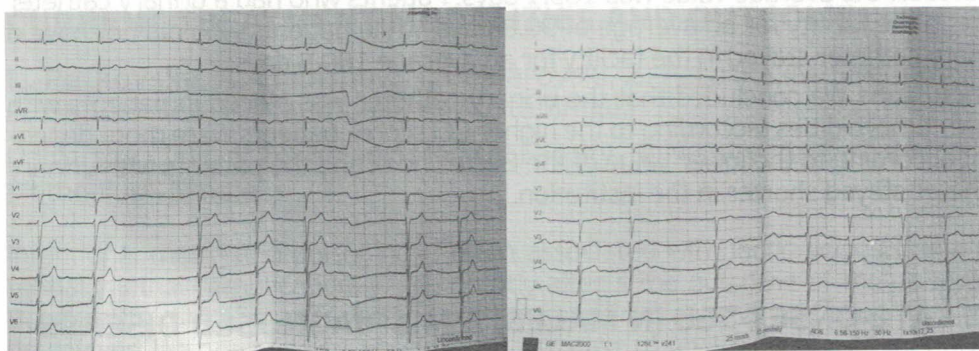
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Introduction: COVID 19 is a serious disease which has symptoms that range from asymptomatic to moderate and severe pain symptoms including fever, cough, and dyspnea due to pneumonia. Cardiac complication includes: acute myocardial infarction, arrhythmias, heart blocks and cardiomyopathies.

Objective: To present a case in a patient with AV block type 2 (Mobitz II) as a complication of COVID 19 infection.

Material and methods: The patient was admitted to our hospital with fatigue, palpitations, anxiety and heaviness in the chest during exertion in the last two weeks. PCR test for COVID 19 was positive from the beginning of the symptoms, but for the entire period without worsening of the condition.

Results: His blood pressure was 130/80 mmHg, heart rate was 42 beats/min, respiratory rate was 14 breaths/min, oxygen saturation was 96%. Cardiac markers are not specific. His ECG findings are shown in Figures 1 and 2.



Figures 1 and 2 – ECG findings with AV block type 2 (Mobitz II)

Echocardiographic findings had a left ventricular ejection fraction of 47%. Coronary angiographic findings without significant features. After a consultation, the patient was referred for implantation of a permanent pacemaker at the Clinic of Cardiology-Skopje.

Conclusion: Identifying heart blocks as a potential complication of COVID-19 will help health professionals better manage the condition in this pandemic by shortening hospital stays and improving patient prognosis.

Key words: Covid 19, AV block, cardiovascular complications