

Joint event on

# 10<sup>th</sup> WORLD HEART CONGRESS

&

6<sup>th</sup> International Congress on

## CARDIOLOGY AND CARDIAC SURGERY

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### Sens a heart vs hs-cTnI for rapid diagnosis of ACS

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**S**ens a heart is a unique, novel ultra-sensitive immunoassay for the rapid diagnosis of myocardial infarction (myocardial injury) in early phase of ischemic coronary cascade and in the latest stage of development of myocardial necrosis. The test is qualitative lateral flow immunochromatographic assay for the rapid detection of Cardiac Troponin I (cTnI) and Heart Fatty Acid Binding Protein (H-FABP), which in combination can detect early signs of AMI (ACS) as soon as 30 minutes after symptom onset, as compared to the 4 hours wait time of hs-cTnI.


The most significant advantage of Sense-a Heart, compared to hs-cTnI is its simplicity and easy to use 10 minute test, taken in the early period of ACS, require no measurement instruments and it can be easily deployed

at the bedside, at the point of patient care, in physician office, emergency service areas, ambulances without any laboratory equipment. It requires only a single droplet of blood (30µL), and it has prominent diagnostic sensitivity and specificity in patients with ACS.

#### Biography

Nikola Bakracheski is the head of Interventional Cardiology Department and Coordinator of Scientific club and CME at the Institute of Cardiovascular Diseases – Ohrid, Macedonia. He has completed his PhD studies in 2016 at University Ss Cyril and Methodius-Skopje. He is a coauthor of several books and scientific papers in the field. He is a member of ESC, EAPCI, Macedonian Society of Cardiology and the Macedonian Medical Association.

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