

2025



**HeartBeat4Kids**

# Hearts Beyond Borders

## Sarajevo Pediatric Heart Mission 2025

14 - 15 April 2025



[www.heartbeat4kids.com](http://www.heartbeat4kids.com)

# THE PROGRAMME

Monday, 14th April

**DAY 1**

12:00 - 16:00

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## Conference

New approaches in clinical practice

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Tuesday, 15th April

**DAY 2**

11:00 - 17:00

## Workshop & lectures

3D Printing in medicine  
VR Demonstration  
AI and Emerging Technologies in the ICU



**Sanko PANDUR**  
Pediatric cardiac surgeon



**Åke BJÖRN**  
MD, PhD h.c.



**Sune JOHANSSON**  
Pediatric cardiac surgeon



**Edin OMERBAŠIĆ**  
Consultant pediatric cardiac surgeon



**Azra BIHORAC**  
MD MS FCCM FASN



**Muris IMŠIROVIĆ**  
3D Printing Expert



**Merim JUSUFBEGOVIĆ**  
PhD Health Sciences



**Adi PANDŽIĆ**  
Ph.D. Mechanical Engineer

# PROGRAMME SUMMARY

14 - 15 April 2025

## Swedish Expertise, Local Partnership, and Cutting-Edge Medical Innovation

- In Collaboration with Clinical Centre University of Sarajevo (CCUS) Future project
- Pediatric Cardiology and Cardiac Surgery - lectures
- Operations on children diagnosed with Congenital Heart Defect (CHD)
- 3D Print in Medicine - lectures
- AI and Emerging Technologies in the ICU - lecture
- Workshop on VR techniques

# New approaches in clinical practice

**DAY 1**

Monday, 14th April

➔ [Join via ZOOM](#)



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**12:00 - 12:10**

Welcome & brief introduction

Hajrija Maksić, MD, PhD, Acting Director of CCUS

Sanko Pandur, MD, PhD, Director of Discipline for science and education CCUS

**12:10 - 13:00**

The pediatric cardiosurgery project in Sarajevo in cooperation between the county council of Östergötland, International organization for migration and CCUS.

Åke Björn MD, PhD h.c.

Sune Johansson MD

**13:00 - 13:30**

Pediatric cardiac surgery in Sarajevo 1996-2025

Sanko Pandur, MD, PhD

**13:30 - 14:00**

Coffee

**14:00 - 14:30**

Hearts Beyond Borders: Sarajevo Pediatric Heart Mission 2025

Edin Omerbašić, MD, Msc, FECTS, Swedish team leader

**14:30 - 15:30**

Tetralogy of Fallot

Peter Munkhammar MD, Consultant pediatric cardiologist

**15:30 - 16:00**

Right Thoracotomy in Pediatric Cardiac Surgery. New standard approach!?

Edin Omerbašić, MD, Msc, FECTS

**16:00 - 16:10**

Final remarks

Sanko Pandur, MD, PhD, Director of Discipline for science and education CCUS

# Workshop in 3D Printing

**DAY 2**

Tuesday, 15th April

 [Join via ZOOM](#)

- |                      |   |
|----------------------|---|
| <b>11:00 - 11:10</b> | Welcome & brief introduction<br><i>Muris Imširović, 3D Printing Expert</i>                        |
| <b>11:10 - 12:00</b> | Clinical Guidelines for 3D Printing<br><i>Muris Imširović, 3D Printing Expert</i>                 |
| <b>12:00 - 12:30</b> | Introduction to 3D Printing Technologies<br><i>Adi Pandžić, PhD Mechanical Engineer</i>           |
| <b>12:30 - 13:00</b> | From Pixel to Polymer – 3D Printing in Medicine<br><i>Merim Jusufbegović, PhD Health Sciences</i> |
| <b>13:00 - 14:00</b> | VR Demonstration: Segmentation & Visualization<br><i>Muris Imširović, ass. Gustaf &amp; Amna</i>  |
| <b>14:00 – 15:00</b> | Lunch   |



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# Intelligent Medicine: AI and Emerging Technologies in the ICU

**DAY 2**

Tuesday, 15th April

➔ [Join via ZOOM](#)

**15:00 - 16:00**

[ZOOM LINK](#)

Artificial Intelligence in Clinical Medicine

**Azra Bihorac**

Senior Associate Dean for Research  
R Glenn Davis Professor of Medicine Surgery and Anaesthesiology  
Director Intelligent Clinical Care Center  
University of Florida College of Medicine

**16:00 - 16:30**

Final remarks

Sanko Pandur, MD, PhD,  
Director of Discipline for science and education CCUS

**16:30 - 17:00**

Press conference



**Azra Bihorac**  
MD MS FCCM FASN



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# Summary



**Thank you!**

- Operations on children diagnosed with Congenital Heart Defect (CHD)
- Presentation of the Pediatric Cardiosurgery Project in Sarajevo: A collaborative effort between the County Council of Östergötland, the International Organization for Migration, and CCUS, on April 14th.
- Congenital Heart Defect Sessions: Focused discussions and treatments.
- In-depth presentations on 3D printing in medicine and pediatric cardiology.
- International Collaboration: Strengthening partnerships between Sweden and Bosnia and Herzegovina.
- The event will be broadcast live via Zoom



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LJUDSKA PRAVA I IZBJEGLICE  
BOSNE I HERCEGOVINE



# Sponsors and partners

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Many thanks to our sponsors and partner for making this project possible.

Mirza Durmisevic - Helena Lagerlöf – Emir Avdagic  
Ministarstvo Raseljenih Osoba i Izbjeglica - University Of Florida Health

# THE TEAM

Providing life-saving treatment for children  
with heart disease



**Edin OMERBAŠIĆ**

Consultant pediatric cardiac surgeon

[in edin-omerbasic](#)

@ ed4617om@lu.se



**Sanko PANDUR**

Consultant pediatric cardiac surgeon

[in sanko-pandur](#)

@ sanko.pandur@kcus.ba



**Sune JOHANSSON**

Consultant pediatric cardiac surgeon

[in sune-johansson](#)

@ lommasune@gmail.com



**Åke BJÖRN**

MD, PhD h.c.

@ svenakebjorn@gmail.com



**Ellen OLSSON**

Consultant pediatric anesthetist

@ ellenolsson@gmail.com



**Peter MUNKHAMMER**

Consultant pediatric cardiologist

@ petermunken@telia.com



**Ida MELLVÈ**

Nurse anesthetist

[in ida-mellve](#)

@ ida.mellve@gmail.com



**Azra BIHORAC**

MD MS FCCM FASN

[in azra-bihorac](#)

@ abihorac@ufl.edu

HeartBeat4Kids



# THE TEAM

Supporting life-saving team for treatment for children  
with heart disease



**Sabina TERZIĆ**

Cheif of pediatric clinic CCUS

[in](#) [sabina-terzic](#)

[@](#) [sterzic1974@gmail.com](#)



**Enela DONLIĆ**

Consultant pediatric anesthesiologist

[in](#) [enela-donlic](#)

[@](#) [eneladj@gmail.com](#)



**Mirza HALIMIĆ**

Consultant pediatric cardiologist

[in](#) [mirza-halimic](#)

[@](#) [halimicm@gmail.com](#)



**Almira KADIĆ**

Consultant pediatric cardiologist

[in](#) [almira-kadic](#)

[@](#) [almira.kadic@yahoo.com](#)



**Muris IMŠIROVIĆ**

3D Printing Expert

[in](#) [muris-imsirovic](#)

[@](#) [murisimsirovic@gmail.com](#)



**Adi PANDŽIĆ**

Ph.D. Mechanical Engineer

[in](#) [adi-pandzic](#)

[@](#) [adi.pax.pandzic@gmail.com](#)



**Merim JUSUFBEGOVIĆ**

PhD Health Sciences

[in](#) [merim-jusufbegovic](#)

[@](#) [mjusufbegovic@gmail.com](#)



**Mirsada ZECO**

Project coordinator

[@](#) [zecomirsada@gmail.com](#)



**Emir Alic**

Brand Manager

[in](#) [emir-alic](#)

[@](#) [emir.alic@live.se](#)