



e-NFIC Course Directors:

Dariusz Dudek, Institute of Cardiology, Jagiellonian University Medical College, Kraków, Poland

Nico Bruining, Thoraxcenter, Department of Cardiology, Rotterdam, The Netherlands

Klaudia Proniewska, Department of Bioinformatics and Telemedicine, Jagiellonian University Medical College, Kraków, Poland

Adriana Złahoda-Huzior, Department of Measurement and Electronics, AGH University of Science and Technology, Kraków, Poland

Friday, 18th December 2020

12:00 – 13:15

**e-NFIC. 3th edition of Digital Health @ NFIC
Digital cardiology in clinical practice (ENG)**

Chairpersons: Nico Bruining, Dariusz Dudek, Klaudia Proniewska, Adriana Złahoda-Huzior

Live in the box

Klaudia Proniewska, Adriana Złahoda-Huzior, Aleksander Zeliaś, Dominika Dykla, Bartosz Szkaradek, Dariusz Dudek

- Telemetry - an intelligent patient monitoring system
- Cardiac telerehabilitation
- Telemetry in intensive cardiac care
- Highly specialized teleconsultations during pandemic
- 3D imaging - novel approach to data visualization

E-documentation with synchronized images and functional assessment for pre procedural planning
Piotr Waciński

Friday, 18th December 2020

13:30 – 14:45

e-NFIC. 3th edition of Digital Health @ NFIC

Advanced 3D imaging for preprocedural planning and intraprocedural monitoring (ENG)

Chairpersons: Dariusz Dudek, Nico Bruining

Advanced imaging in interventional cardiology: mixed reality
Dariusz Dudek

Mixed Reality in pandemic - own experiences from Otwock, Poland
Marcin Kurzyna, Szymon Darocha, Łukasz Kownacki, Dorota Piotrowska-Kownacka

Mixed Reality Support for TAVI valve implantation
Radosław Parma

General concepts of Augmented Reality in EVAR/TEVAR/TAVR - Centerline Biomedical
and at Cleveland Clinic in USA
Vikash Goel, Puri Rishi

Symulatory TEE - prezentacja online
Andrzej Gackowski

Friday, 18th December 2020

15:30 – 17:00

Meet the Experts

The Doctors meet the Engineers

Discussion forum (ENG)

Moderators: Dariusz Dudek, Klaudia Proniewska, Adriana Złahoda-Huzior

Panel: Figiel Henryk, Gackowski Andrzej, Korzeniowski Przemysław, Marszałek Konstanty, Ozga Paweł, Piórkowski Adam, Skalski Andrzej, Witowski Jan, Szkaradek Bartosz, Kańtoch Eliaz

Main streams of discussions:

Medical staff meets clinical engineers in medical center

How to use current digital technologies in broader spectrum of medicine

Way of the future for biomedical engineering

„Krakow experience” and contribution to international digital cardiology and medicine