

**Thursday, December 7<sup>th</sup>, 2017, 9:00 – 13:00**

**Advanced Operators' Workshop  
Transcatheter valve therapies for 2018 and beyond**

**Venue:**

International Conferencing and Entertainment (ICE)  
17 Marii Konopnickiej Street, Krakow, Poland

**GREEN ROOM B 3<sup>RD</sup> FLOOR**

**09.10-11.30**

**Part 1**

**State-of-the-art and new horizons in TAVI and PPVI**

**Moderators: Dariusz Dudek, Eberhard Grube, Adam Witkowski, Ran Kornowski**

**Panel: Michał Zembala, Andrzej Ochała, Lucian Zarma, Wojciech Wojakowski, Radosław Parma, Janusz Kochman, Ralf Birkemeyer, Zbigniew Chmielak, , Maciej Dąbrowski, Zenon Huczek, Paweł Buszman**

Great debate: Indications for TAVI in 2018 - are we ready for large volume of intermediate risk patients and then shifting to low risk patients?

**Eberhard Grube** – interventional cardiologist point of view

**Michał Zembala** – cardiac surgeon point of view

Discussion and consensus

Recorded case: TAVI

Medical University of Warsaw

Operator: Janusz Kochman, Dariusz Dudek, Zenon Huczek, Augusto Pichard

**Wojciech Wojakowski**

Patient specific access site and valve selection

**Adam Witkowski**

Remaining pitfalls and limitations of TAVI

**Dariusz Dudek**

Current indications and remaining challenges of PCI before, during, and after TAVI

**Ran Kornowski**

TAVI and Acute Kidney Injury (AKI) - Prognostic Implications, risk factors and therapeutic solutions

**Radosław Parma**

Real outer and inner diameter of TAVI sheaths.

Recorded case: TAVI  
Medical University of Warsaw  
Operator: Zenon Huczek

**11.30-13.00**

**Part 2**

**State-of-the-art and new horizons in percutaneous mitral and tricuspid valve treatment**

**Moderators: Dariusz Dudek, Eberhard Grube, Adam Witkowski, Ran Kornowski**

**Panel: Michał Zembala, Maurizio Taramasso, Zbigniew Kalarus, Kazimierz Widenka, , Krzysztof Wróbel, Maciej Stąpór, Janusz Konstanty-Kalandyk, Andrzej Ochała**

Great debate: Indications for surgical and percutaneous mitral insufficiency treatment in 2018

**Ralf Birkemeyer** – interventional cardiologist point of view

**Kazimierz Widenka** – cardiac surgeon point of view

Discussion and consensus

**Grzegorz L. Kałuża**

Transcatheter Mitral Valve Intervention for 2018: Unmet Clinical Need in 2017 and Landscape of Proposed Solutions.

Recorded case: Percutaneous mitral valve repair

**Zabrze, Poland**

Operator: **Zbigniew Kalarus, Witold Streb, Katarzyna Mitreęga**

**Zbigniew Kalarus**

Percutaneous mitral valve repair in patients with heart failure – what are the options?

**Eberhard Grube**

Percutaneous tricuspid valve interventions.

**Thursday, December 7<sup>th</sup>, 2017, 13:00 – 14:30**

## **NFIC Opening Ceremony & Session**

### **Venue:**

International Conferencing and Entertainment (ICE)  
17 Marii Konopnickiej Street, Krakow, Poland

**RED ROOM GROUND FLOOR**

13:00 - 13:15

### **OPENING CEREMONY**

<b>Piotr Richter</b>	Rector's Proxy for General Affairs at the Medical College
<b>Wojciech Wojakowski</b>	President of the Association of Cardiovascular Interventions of the Polish Cardiac Society (AISN PTK)
<b>Adam Witkowski</b>	President Elect of the Polish Cardiac Society
<b>Dariusz Dudek</b>	Course Director, Chairman of the Education & Training Committee EAPCI ESC

13.15 – 14.30

### **OPENING SESSION**

**40-years of PCI (36-years in Poland), and 15-years of TAVI (10-years in Poland)**

**Moderator: Dariusz Dudek, Kurt Huber, David Moliterno**

**Panel: Eberhard Grube, Pascal Meier, Michał Zembala, Sigmund Silber, Ran Kornowski, Robert Gil, Paweł Buszman, Adam Witkowski, Jacek Legutko**

13.15-13.35

**David Moliterno**

40-years of PCI - a tribute to Andreas Gruntzig

13:35 - 14:15

**Opening live case: TAVI**

**Shaare Tzedek Jerusalem, Israel**

**Operator: Yaron Almagor**

14.15-14.30

**Panel discussion**

European and US perspective after 40-years of PCI and 15-years of TAVI – a glimpse to the future.

**Thursday, December 7<sup>th</sup>, 2017, 14:45 - 15:45**

**Original Papers Session  
Moderated Posters**

**Venue:**

International Conferencing and Entertainment (ICE)  
17 Marii Konopnickiej Street, Krakow, Poland

**FOYER GROUND FLOOR**

**Session I - Coronary interventions**

**Moderators: Artur Dziewierz, Marek Gierlotka, Zenon Huczek**

**1-P**

**Economic outcomes of the CAT-CAD randomised trial assessing Coronary Artery computed Tomography as the first-choice anatomic test for individuals with suspected significant Coronary Artery Disease**

Piotr N. Rudzinski, Mariusz Kruk, Cezary Kepka, Zofia Dzielinska, Jerzy Pregowski, Adam Witkowski, Witold Ruzylo, Marcin Demkow

**2-P**

**Differences in fibrous cap thickness, area and pattern between stable angina patients and ST-elevation myocardial infarction patients.**

Krzysztof L Bryniarski<sup>1, 2</sup>, Erika Yamamoto<sup>1</sup>, Lei Xing<sup>1</sup>, Thomas Zanchin<sup>1</sup>, Tomoyo Sugiyama<sup>1</sup>, Hang Lee<sup>1</sup>, Wojciech Zajdel<sup>2</sup>, Krzysztof Żmudka<sup>2</sup>, Ik-Kyung Jang<sup>1</sup>

**3-P**

**Is There Racial Difference in Coronary plaque characteristics between White versus East Asians?**

Krzysztof L Bryniarski<sup>1, 2</sup>, Erika Yamamoto<sup>1</sup>, Lei Xing<sup>1</sup>, Thomas Zanchin<sup>1</sup>, Tomoyo Sugiyama<sup>1</sup>, Hang Lee<sup>1</sup>, Paweł Gąsior<sup>3</sup>, Wojciech Zajdel<sup>2</sup>, Krzysztof Żmudka<sup>2</sup>, Ik-Kyung Jang<sup>1</sup>

**4-P**

**Cardiac complications risk during coronary artery chronic total occlusion recanalization by antegrade approach**

Valeriy Stelmashok, Oleg Polonetsky, Nikolai Strygo, A.O. Zatsepin, A.N. Zakharevich, A.A. Barysevich, E.V. Kovsh

**5-P**

**Contrast medium Pd/Pa ratio in comparison to fractional flow reserve, quantitative flow ratio and instantaneous wave-free ratio – a comprehensive assessment**

Pawel Kleczynski, Artur Dziewierz, Agata Wiktorowicz, Stanislaw Bartus, Lukasz Rzeszutko, Maciej Bagiński, Dariusz Dudek, Jacek Legutko

**6-P**

**Radial vs femoral access in patients undergoing percutaneous coronary intervention with rotational atherectomy - the results of early and one-year observation**

Michał Kosowski<sup>1,2</sup>, Piotr Kübler<sup>1,2</sup>, Wojciech Zimoch<sup>1,2</sup>, Brunon Tomasiewicz<sup>1,2</sup>, Artur Telichowski<sup>2</sup>, Krzysztof Reczuch<sup>1,2</sup>

**7-P**

**Treatment of left main coronary artery stenosis with the STENTYS self-expandable drug-eluting stent – a multicenter registry**

Wojciech Wańha<sup>1</sup>, Maksymilian Mielczarek<sup>2</sup>, Grzegorz Smolka<sup>1</sup>, Tomasz Roleder<sup>1</sup>, Miłosz Jaguszewski<sup>2</sup>, Dariusz Ciećwierz<sup>2</sup>, Brunon Tomasiewicz<sup>3</sup>, Jarosław Gorol<sup>4</sup>, Michał Chmielecki<sup>2</sup>, Stanisław Bartuś<sup>6</sup>, Michał Kasprzak<sup>5</sup>, Eliano Pio Navarese<sup>5,7</sup>, Adam Sukiennik<sup>5</sup>, Jacek Kubica<sup>5</sup>, Andrzej Lekston<sup>4</sup>, Michał Hawranek<sup>4</sup>, Krzysztof Reczuch<sup>3</sup>, Marcin Gruchała<sup>2</sup>, Andrzej Ochała<sup>1</sup>, Wojciech Wojakowski<sup>1</sup>

**8-P**

**Acute myocardial infarction as a first time presentation of coronary artery disease – demographics, comorbidities and interventional treatment in Poland in 2014-2016.**

Agnieszka Sławska<sup>1</sup>, Zbigniew Siudak<sup>2</sup>, Tomasz Rakowski<sup>2</sup>, Dariusz Dudek<sup>2</sup>

**9-P**

**Guidelines for secondary prevention of cardiovascular disease and their realization in clinical practice**

Anna Płotek<sup>1</sup>, Agata Krawczyk-Ozóg<sup>1,2</sup>, Renata Rajtar-Salwa<sup>1</sup>, Dariusz Dudek<sup>1,2</sup>

**10-P**

**Predictors of radial artery occlusion after various percutaneous coronary interventions.**

Wojciech Zimoch<sup>1,2</sup>, Janusz Sławin<sup>1,2</sup>, Piotr Kübler<sup>1,2</sup>, Michał Kosowski<sup>1,2</sup>, Brunon Tomaszewicz<sup>1,2</sup>, Oskar Rakotoarison<sup>1</sup>, Krzysztof Reczuch<sup>1,2</sup>

## **Session II - Peripheral & structural interventions / Experimental research**

**Moderators: Jacek Kądziela, Krzysztof Milewski, Aleksander Araszkiwicz**

### **11-P**

#### **A long-term outcome of balloon pulmonary angioplasty in chronic thromboembolic pulmonary hypertension**

Szymon Darocha<sup>1</sup>, Radosław Pietura<sup>2</sup>, Arkadiusz Pietrasik<sup>1</sup>, Anna Dobosiewicz<sup>1</sup>, Michał Florczyk<sup>1</sup>, Michał Piłka<sup>1</sup>, Justyna Norwa<sup>1</sup>, Rafał Mańczak<sup>1</sup>, Maria Wieteska<sup>1</sup>, Marta Banaszkiwicz<sup>1</sup>, Sebastian Szmit<sup>1</sup>, Andrzej Biederman<sup>3</sup>, Adam Torbicki<sup>1</sup>, Marcin Kurzyna<sup>1</sup>

### **12-P**

#### **Comparison of tip and side placement of excision blades in atherectoms**

Adam Janas<sup>1,2</sup>, Wojciech Trendel<sup>1,2</sup>, Aleksandra Haczyk<sup>1</sup>, Krzysztof Milewski<sup>2</sup>, Piotr Buszman<sup>2</sup>, Pawel Buszman<sup>2</sup>, R Stefan Kiesz<sup>1</sup>

### **13-P**

#### **Hybrid carotid and coronary revascularization. Safety and feasibility study.**

Anna Kędziora<sup>1,2</sup>, Jacek Piątek<sup>1,2</sup>, Karolina Dzierwa<sup>1,3</sup>, Janusz Konstanty-Kalandyk<sup>1,2</sup>, Marcin Wrózek<sup>4</sup>, Krzysztof L. Bryniarski<sup>1,3</sup>, Piotr Musialek<sup>1,5</sup>, Łukasz Tekieli<sup>1,3</sup>, Bogusław Kapelak<sup>1,2</sup>, Piotr Pieniżek<sup>1,5</sup>

### **14-P**

#### **Circulating miRNAs levels differ with respect to carotid plaque characteristics and symptom occurrence in patients with carotid artery stenosis and provide information on future cardiovascular events**

Rafał Badacz<sup>1</sup>, Anna Kablak-Ziembicka<sup>1</sup>, Jacek Gacoń<sup>1,2</sup>, Ewa Stępień<sup>3</sup>, Francisco J. Enguita<sup>4</sup>, Izabela Karch<sup>1</sup>, Krzysztof Żmudka<sup>1</sup>, Tadeusz Przewłocki<sup>1</sup>

### **15-P**

#### **Impact of pre-procedural cerebrovascular events on clinical outcomes after transcatheter aortic valve implantation in patients with severe aortic stenosis**

Agata Wiktorowicz, Pawel Kleczynski, Artur Dziewierz, Tomasz Tokarek, Danuta Sorysz, Maciej Bagiński, Lukasz Rzeszutko, Dariusz Dudek

**16-P**

**Anatomy of the mitral sub-valvular apparatus**

Agata Krawczyk-Ożóg<sup>1,2</sup>, Mateusz K. Hołda<sup>1,3</sup>, Filip Bolechała<sup>4</sup>; Zbigniew Siudak<sup>2</sup>, Danuta Sorysz<sup>2</sup>, Dariusz Dudek<sup>2</sup>, Wiesława Klimek-Piotrowska<sup>1,3</sup>

**17-P**

**Temporal vascular response to novel, long, thin strut bioreresorbable scaffold in the porcine coronary restenosis model**

Mateusz Kachel<sup>1</sup>, Carlos Fernandez<sup>1</sup>, Michał Jelonek<sup>1</sup>, Adam Janas<sup>1</sup>, Magdalena Michalak<sup>1</sup>, Paweł E. Buszman<sup>1</sup>, Krzysztof Milewski<sup>1</sup>, Piotr P. Buszman<sup>1</sup>

**18-P**

**The use of direct heart hypothermia (DHH) by METcooler reduces infarct area, area at risk and left ventricular systolic function impairment in animal experimental model of myocardial infarction – ongoing study**

Tomasz Kameczura<sup>1</sup>, Marek Rajzer<sup>2</sup>, Sebastian Stec<sup>1</sup>, Jerzy Wiliński<sup>3</sup>, Stanisław Bartuś<sup>4</sup>, Piotr Buszman<sup>5</sup>

**19-P**

**NOGA-based Electromechanical Assessment of the Left Ventricle in Patient Undergoing Left Anterior Descending Artery Chronic Total Occlusion Intervention**

Tomasz Jadczyk<sup>1</sup>, Radosław Kurzelowski<sup>1</sup>, Jacek Wilczek<sup>2</sup>, Krzysztof Gołba<sup>2</sup>, Wojciech Wojakowski<sup>1</sup>

**20-P**

**Kidney injury molecule type 1 is associated with 12-month adverse cardiovascular events in patients with coronary artery disease**

Maciej T. Wybraniec<sup>1</sup>, Jerzy Chudek<sup>2</sup>, Katarzyna Mizia-Stec<sup>1</sup>



**Thursday, December 7<sup>th</sup>, 2017, 16.00 – 17:30**

**Innovations in intervention for heart failure and in coronary revascularization in 2017 – Part 1**

**Venue:**

International Conferencing and Entertainment (ICE)  
17 Marii Konopnickiej Street, Krakow, Poland

**RED ROOM GROUND FLOOR**

**Moderators: Dariusz Dudek , Eberhard Grube , Pascal Meier**

**Panel: Nico Bruining, , Michael Joner, Robert Gil, Dirk Westermann, Grzegorz L. Kałuża, Ran Kornowski, Piotr Buszman, Krzysztof Milewski, Janusz Kochman, Krzysztof Żmudka**

**Nico Bruining**

The future of computers in cardiology: 'the connected patient'?

**Pascal Meier**

The future of social media in cardiology: 'the connected physician'?

**Dariusz Dudek**

Is iFR going to replace or support FFR assessment in the cathlab?

**Dirk Westermann**

Comparison of UltraThin Sirolimus-Eluting Bioresorbable Polymer metallic DES with Thin Everolimus-Eluting Durable Polymer metallic DES.

**Manuel Sabate**

Clinical use of biostable polymer in multi-vessel disease

**Grzegorz L. Kałuża**

Mechanisms of BRS Failure: Insights from a Consensus Meeting. Can the PLLA technology be resurrected?

**Michael Joner**

Thrombogenicity of the metallic DES versus Bioresorbable DES

**Ran Kornowski**

Drug coated balloons (DCB): overview of the data.

**Dariusz Dudek**

New generation drug eluting balloon for in-stent restenosis – recorded case

**Peter Van Dam**

3D visualization of electrical properties of the heart

**Maurizio Taramasso**

Transcatheter direct mitral valve annuloplasty with the Cardioband system.

**Mamas A. Mamas**

Safety of transradial approach for same-day discharge – a possible shift in practice.

**Antonio Frangieh**

Simple and easy implantation of S3

**Friday, December 8<sup>th</sup>, 2017, 9:00 – 18:45**

**Venue:**

International Conferencing and Entertainment (ICE)  
17 Marii Konopnickiej Street, Krakow, Poland

**GREY ROOM GROUND FLOOR**

**Live case transmissions from:**

University Hospital, Krakow, Poland  
American Heart of Poland, Bielsko-Biała, Poland  
Thoraxcenter, Rotterdam, The Netherlands

**9:00 - 11:00**

**Session 1**

**Optimal treatment of acute myocardial infarction in 2018 - part 1  
From diagnosis to secondary prevention**

**Moderators:** Dariusz Dudek, Sigmund Silber, David Moliterno, Kurt Huber

**Panel:** Robert Gil, Lucian Zarma, Stanisław Bartuś, , Stefan Grajek, Ota Hlinomaz, Imre Ungi, Jaan Eha, Tomasz Rakowski, Artur Dziewierz

**Critical appraisal of the 2017 ESC Guidelines on STEMI and Focused Update on DAPT**

**Tomasz Rakowski**

Prehospital phase of AMI treatment – logistics & early pharmacotherapy (10 min. + 2 min. of panel discussion)

**Kurt Huber**

In-hospital phase of AMI treatment – logistics, concomitant pharmacotherapy & PCI (10 min. + 2 min. of panel discussion)

**Mamas A. Mamas**

Technical tips and tricks and economic benefits of transradial percutaneous coronary intervention. (13 min. + 2 min. of panel discussion)

**Ota Hlinomaz**

Update on PRAGUE-18 Trial: ticagrelor versus prasugrel in primary PCI for STEMI. (10 min. + 2 min. of panel discussion)

**Live case 1 (TBD) (30 min.)**

University Hospital in Krakow  
Complex PCI in acute coronary syndrome  
Operators: Jacek Legutko, Michał Hawranek

**Live case 2 (TBD) (30 min.)**

University Hospital in Krakow  
Complex PCI in acute coronary syndrome  
Operators: Andrejs Erglis, Łukasz Rzeszutko

**Panel discussion**

Gaps in the evidence and unmet needs of percutaneous coronary interventions in AMI

11.00-11.15

**COFFEE BREAK**

11:15 - 13:45

**NFIC'2017 Featured lectures and live case presentations**

**Moderators:** Dariusz Dudek, Sigmund Silber, Kurt Huber

**Panel:** David Moliterno, Christoph Nienaber, Adam Witkowski, Marco Noc, Andrejs Erglis, Marcin Demkow, Goran Stankovic, Wojciech Wojakowski, Jacek Legutko

**Goran Stankovic**

Towards worldwide consensus on PCI for the Left Main stem and other bifurcation lesions.

**Joost Daemen**

Left ventricle assist device support in high-risk PCI (Protected PCI)

**Live case 3**

Thoraxcenter, Rotterdam  
Supported complex PCI  
Operators: TBD, TBD

**Live case 5**

American Heart of Poland, Bielsko-Biała  
TAVI  
Operators: Paweł Buszman, Wojciech Fil, Wojciech Domaradzki, Marcin Dębiński, Danuta Sorysz

**David Moliterno**

Should the improved results with NOACs compared to warfarin change LAA closure decisions?

**Live case 6**

American Heart of Poland, Bielsko-Biała  
LAAO  
Operators: Marek Grygier, Paweł Buszman, Bogdan Gorycki, Danuta Sorysz

**Christoph Nienaber**

New frontiers in percutaneous treatment of acute and chronic aortic dissection.

**Dariusz Dudek**

Role for bivalirudin during PCI procedures in 2018

13.45-14.15

**LUNCH BREAK**

14.15-15.45

**Innovations in intervention for heart failure and in coronary revascularization in 2017 – part 2**

**Moderators: Dariusz Dudek, Sigmund Silber, Grzegorz L. Kaluza**

Panel, Holger Thiele, Adam Witkowski, Oskar Kowalski, Bogusław Kapelak, Karol Wierzbicki, Wojciech Wąsek, Piotr Musiałek, Krzysztof Żmudka

**Adam Witkowski**

Is percutaneous renal denervation going to come back?

**Oskar Kowalski**

Percutaneous implantation of the leadless pacemaker in innovative cardiology care

**Grzegorz L. Kaluza**

New Wave of Minimally Invasive Solutions for Congestive Heart Failure.

**Karol Wierzbicki**

Surgical LVAD as a destination therapy for patients with end-stage heart failure.

**Sigmund Silber**

Usefulness of pharmacological stress tests with Regadenosone: Experience in over 4000 patients in a cardiology practice in Germany.

**Łukasz Rzeszutko**

Self-expandable stent platforms

**Leszek Bryniarski**

Algorithm for CTO treatment – novel approach

**15.45-16.00**

## COFFEE BREAK

**16:00-18:45**

### **Optimal treatment of acute myocardial infarction in 2018 – part 2 How to improve outcome of high-risk patients with AMI? Cardiac arrest, cardiogenic shock, left main and multivessel disease, protected PCI, MINOCA.**

**Moderators:** Dariusz Dudek, Holger Thiele, Marko Noc, Pascal Meier

**Panel:** Janina Stępińska, Robert Gil, Jacek Legutko, Michał Hawranek, Barbara Zawiślak, Rafał Depukat, Tomasz Pawłowski, Marek Tomala, Sebastian Stec, Andrzej Przybylski

#### **Critical appraisal of the 2017 ESC Guidelines on STEMI**

##### **Holger Thiele**

Revascularization of patients with AMI and multivessel disease.

##### **Jacek Legutko**

Intravascular imaging and physiology lesion assessment in AMI.

##### **Ran Kornowski**

Optimizing STEMI PCI results: the essentials.

##### **Live case 7 (TBD)**

University Hospital in Krakow

Complex PCI in AMI

Operators: Wojciech Wojakowski, Stanisław Bartuś

##### **Holger Thiele**

Current and future options in left and right ventricular support

##### **Recorded case (TBD)**

Protected PCI with LVAD

Operators: TBD, TBD

##### **Marko Noc**

Therapeutic hypothermia in AMI with, and without cardiac arrest.

##### **Sebastian Stec**

Hybrid ablation procedures due to the proximity of coronary arteries and from epicardial space - new indications for HEART-TEAM

**Piątek, 8 grudnia 2017, 8:00 – 9:00**

**GREY ROOM GROUND FLOOR**

**Spotkanie kierowników pracowni hemodynamicznych**

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