



XXII Warsaw Course on Cardiovascular Interventions

Wednesday 25th April, 2018

07:30-08:50 | Room STRATUS (9th floor)

Breakfast Meeting of the Expert Panel on Anticoagulation Treatment in Patients with Coronary Artery Disease

Sponsored by unrestricted grant from Bayer

09:00-09:50 | Room VEGA(1st floor)

Press Conference

Professor Robert Gil, WCCI Director

Professor Adam Witkowski, WCCI Director

Professor Piotr Ponikowski, President of the Polish Cardiac Society (PCS)

Professor Wojciech Wojakowski, Chairman of the Association on Cardiovascular Interventions of the PCS

10:00-12:10 | Sala GALAXY 2 and 3

Two sessions with participation of Ministry of Health, National Health Fund, AOTMiT, employers and clinical experts (sessions in Polish)

Cykl debat z uczestnictwem przedstawicieli Ministerstwa Zdrowia, Narodowego Funduszu Zdrowia, Agencji Oceny Technologii Medycznych i Taryfikacji, pracodawców i ekspertów klinicznych

Prowadzący (Moderator): Redaktor Marcin Piasecki

10:00-11:00

Kardiologia w dobie podstawowej sieci szpitalnej. Opieka kompleksowa w kardiologii – jak funkcjonuje modelowe rozwiązanie dla opieki chorych po zawale w praktyce? Czy jest szansa na program dla chorych z niewydolnością serca? (session in Polish)

Moderator: red. Marcin Piasecki

Dyskutanci: Tomasz Hryniewiecki (Dyrektor Instytutu Kardiologii w Warszawie), Andrzej Jacyna (Prezes Narodowego Funduszu Zdrowia), Piotr Jankowski (Sekretarz ZG Polskiego Towarzystwa Kardiologicznego), Jarosław Kaźmierczak (Konsultant Krajowy w dziedzinie kardiologii), Łukasz Szumowski (Minister Zdrowia RP), Krystian Wita (Dyrektor Górnośląskiego Centrum Medycznego w Katowicach), Adam Witkowski (Prezes-Elekt Polskiego Towarzystwa Kardiologicznego).

11:00-11:10 | Coffee Break

11:10-12:10

Jak organizować w Polsce niekomercyjne badania kliniczne: od pomysłu do publikacji (session in Polish)

Moderator: red. Marcin Piasecki

Dyskutanci: Maciej Banach (Dyrektor Szpitala - Instytutu Matki Polki w Łodzi), Paweł Buszman (Prezes American Heart of Poland), Antonina Chmura-Skirińska (Narodowe Centrum Nauki), Dariusz Dudek (Szpital Uniwersytecki w Krakowie), Robert J. Gil (CSK MSWiA w Warszawie), Andrzej Jacyna (Prezes Narodowego Funduszu Zdrowia), Jarosław Kaźmierczak (Konsultant Krajowy w dziedzinie kardiologii), Łukasz Szumowski (Minister Zdrowia RP), Roman Topór-Mądry (Prezes Agencji Oceny Technologii Medycznych i Taryfikacji), Ministerstwo Nauki i Szkolnictwa Wyższego (TBD), Narodowe Centrum Badań i Rozwoju (TBD)

12:10-12:20 | Coffee Break

12:20-13:20 | Room GALAXY 1

Special Session of the Association on Cardiovascular Interventions of the Polish Cardiac Society: Focus on optimal treatment for patients with Stable Angina.

Chairmen: Robert J. Gil (Warsaw), Jacek Legutko (Krakow), Ravi Nair (Cleveland), Wojciech Wojakowski (Katowice)

Panellists: Stanisław Bartuś (Krakow), So-Yeon Choi (Suwon), Michael Haude (Neuss), Andrzej Ochała (Katowice), Janina Stępińska (Warsaw), Piotr Suwalski (Warsaw), Adam Witkowski (Warsaw)

- 12:20-12:32 What does ESC Guidelines say on prevention and conservative therapy in patients with stable angina?
Piotr Jankowski (Krakow)
- 12:32-12:44 European guidelines for coronary revascularization in stable angina. *Michael Haude (Neuss)*
- 12:44-12:56 EXCEL versus NOBEL and surgery versus percutaneous revascularization in patients with left main disease: a never-ending story? *Petr Kala (Brno)*
- 12:56-13:08 ORBITA Trial – just an accident? *Jarosław Zalewski (Kraków)*
- 13:08-13:18 Case presentation: a patient with stable angina and multivessel coronary artery disease. *Dobrin Vassiliev (Sofia)*
- 13:18-13:30 Roundtable discussion and Wrap-up *Wojciech Wojakowski (Katowice)*

13:45-15:15 | LUNCH

13:45-15:15 | Room GALAXY 1

Satellite Lunch Symposium 1

Sponsored by unrestricted grant from BALTON

Lunch boxes available

“We help to treat cardiovascular system completely...”

Chairmen: *Robert J. Gil, Andrzej Lekston, Dobrin Vassiliev*

Panellists: *Sławomir Dobrzycki, Wojciech Jacheć, Adam Kern, Marek Król, Grzegorz Smolka, Marcin Świerad*

1. BiOSS LimC: dedicated device that has a chance for breakthrough in coronary bifurcation treatment. *Robert J. Gil (12 min)*
2. ALEX Plus: stent which is as the best on the market. *Michał Hawranek (12min)*
3. MER: self-expanding carotid stent – newest data from Prospective Multicenter Study of Carotid Artery Stenting Using MER Stent (OCEANUS Study). *Przemysław Nowakowski (12 min)*
4. NEPTUN and JAGUAR: the stents enabling to treat PAD effectively. *Przemysław Nowakowski (12 min)*
5. Novel microcrystalline paclitaxel coated balloon PAK – from bench to bedside. *Piotr Buszman (12 min)*
6. Presentations of interesting and challenging cases (30 min) presented by the Lecturers.

13:45-15:15 | Room GALAXY 2 and 3

Sesja specjalna. Familial hypercholesterolemia – Where we are now? Where we are going? Hipercholesterolemia rodzinna (FH) – gdzie jesteśmy, dokąd zmierzamy? (Session in Polish)

Prowadzący: *Krzysztof Chlebus (Gdańsk), Adam Witkowski (Warszawa)*

1. Rozpowszechnienie, wykrywanie i kontrola zaburzeń lipidowych w Polsce (12 min) *Tomasz Zdrojewski (Gdańsk)*
2. Hipercholesterolemia rodzinna – ważne i niedoceniane wyzwanie dla systemu ochrony zdrowia (12 min) *Krzysztof Chlebus (Gdańsk)*
3. Efektywne obniżanie ryzyka w FH – jakie perspektywy stwarzają wyniki najnowszych badań? (12 min) *Zbigniew Gaciong (Warszawa)*
4. Dlaczego zabieg PCI jest inny u pacjenta z FH? (12 min) *Dariusz Dudek (Kraków)*
5. Dyskusja:
 - Jak zorganizować najbardziej efektywną opiekę nad pacjentami?
 - Jak powinien wyglądać system diagnostyki (kryteria kliniczne vs. genetyczne)
 - Kto i w jakim trybie powinien mieć dostęp do refundacji najnowszych skutecznych terapii?
 - Czy dysponujemy dobrymi doświadczeniami własnymi (model opieki nad FH)

15:15-15:30 | Coffee Break

15:30-17:05 | Room GALAXY 2 and 3

European CTO Club session: What is new in the field of CTO PCI?

Chairmen: *Paul Knaapen (Amsterdam), Imre Ungi (Seged), Jarosław Wójcik (Lublin)*

Panellists: *Valery Gelev (Sofia), Petr Kala (Brno), Adam Kern (Olsztyn), Sang Wook Kim (Seoul), Ravi Nair (Cleveland), Goran Olivecrona (Lund), Adam Sukiennik (Bydgoszcz), Krzysztof Wilczek (Zabrze)*

- 15:30-16:10 Live transmission from Toulouse (France)
Sponsored by unrestricted grant from GE
Operators: *Jean Fajadet*
- 16:10-16:22 Indications and contraindications – how to select the patients and who will really benefit? *Paul Knaapen (Amsterdam)*
- 16:22-16:34 Wires, microcatheters and others. *Andrejs Erglis (Riga)*
- 16:34-16:46 Strategies of the CTO procedures – how to manage a difficult case. *Maksymilian Opolski (Warsaw/Amsterdam)*
- 16:46-16:58 Tips and tricks helpful in a moment of a lack of progress. *Petr Kala (Brno)*
- 16:58-17:05 Take home message. *Imre Ungi (Seged)*

17:05-17:20 | Coffee Break

17:20-20:00 | Room GALAXY 2 and 3

European Bifurcation Club session: Practical approach for choosing the optimal strategy for intervention with coronary bifurcation lesions

Moderators: *Andrejs Erglis (Riga), Robert J. Gil (Warsaw), Ravi Nair (Cleveland)*

Panelists: *Stanisław Bartuś (Krakow), Sławomir Dobrzycki (Białystok), Ariel Finkelstein (Tel Aviv), Kiseok Kim (Jeju), Krzysztof Kukuła (Warsaw), Mateusz Tajstra (Zabrze), Lucian Zarma (Bucharest)*

- 17:20-18:00 Life case 2. Patient with distal left main stenosis (provisional stent approach)
Operators: Dobrin Vassiliev (Sofia), Jarosław Rzezak (Warsaw); FFR/IVUS/OCT: Jacek Bil (Warsaw)
- 18:00-18:12 Provisional T-stenting – still a default strategy for bifurcation treatment? *Maciej Lesiak (Poznan)*
- 18:12-18:55 Live case 3. PCI of “true” bifurcation lesion (two stents approach)
Operators: Jun Jie Zhang (Nanjing), Tomasz Pawłowski (Warsaw); FFR/IVUS/OCT: Jacek Bil (Warsaw)
- 18:55-19:07 Two stents techniques – landscape after DK Crush V Study. *Harald Mudra (Munich)*
- 19:07-19:19 Panel discussion and Wrap-up: do we have just one optimal strategy for bifurcation treatment? *Andrej Erglis (Riga)*
- 19:20-20:00 Live case 4 CTO PCI
Operators: Leszek Bryniarski (Kraków), Jarosław Rzezak (Warsaw); FFR/IVUS/OCT: Jacek Bil (Warsaw)

15:30-17:05 | Room GALAXY 1

Symposium: Innovations in Cardiology – what is new or will be soon on the market

Chairmen: *Mariusz Gąsior (Zabrze), Robert J. Gil (Warsaw), Petr Kala (Brno)*

- 15:30-15:35 Introduction and objectives. *Robert J. Gil (Warsaw)*

Presentations of Industry Innovations

- 15:35-15:42 Terumo. *Mireille Loos*
- 15:42-15:49 Balton. *Piotr Buszman (Ustron)*
- 15:49-15:56 Boston Scientific. *Adam Witkowski (Warsaw)*
- 15:56-16:03 Edwards. *Radosław Parma (Katowice)*
- 16:03-16:10 Abbott. *Wojciech Wojakowski (Katowice)*
- 16:10-16:17 Pro Cardia. *Florim Cuculi (Luzern)*
- 16:17-16:24 SMT/Polimed. *Ilancheran Uthirapathi (SMT)*
- 16:24-16:31 Medtronic. *Marek Grygier (Poznan)*
- 16:31-16:38 Meril. *Jakub Podolec (Krakow)*
- 16:38-16:45 Bracco. *Michał Hawranek (Zabrze)*
- 16:45-17:05 Discussion and take-home message. *Robert J. Gil (Warsaw)*

16:00-20:00 | Room VEGA (1st floor)

Session for nurses and technicians (Session in Polish)

Sekcja Pielęgniarstwa i Techniki Medycznej Polskiego Towarzystwa Kardiologicznego

Diagnostyka inwazyjna tętnic wieńcowych

Prowadzące: *Krystyna Czapla, Dorota Krówczyńska, Maria Walkiewicz*

1. Wskazania, przeciwwskazania i przygotowanie chorego do koronarografii. *Dorota Krówczyńska*
2. Ocena wyboru dostępu naczyniowego do badania tętnic wieńcowych. Wybór, obserwacja, powikłania. *Maria Walkiewicz*
3. Ocena naczyń wieńcowych – IVUS, RRF, OCT. *Jacek Jąkała*
4. Wskazania do CT serca i dużych naczyń. *Ilona Michałowska*
5. Ochrona radiologiczna pacjenta i personelu medycznego podczas zabiegu. *Anna Sikora*

17:05-19:10 | Room GALAXY 1

Central and Eastern European Session – Progress in the interventional cardiology

Chairmen: *Marcin Demkow (Warsaw), Jacek Legutko (Krakow), Adam Witkowski (Warsaw), Wojciech Wojakowski (Katowice)*

Presentations by countries

- 17:05-17:15 Latvia. *Andrejs Erglis (Riga)*
- 17:15-17:25 Bulgaria. *Valery Gelev (Sofia)*
- 17:25-17:35 Belarus. *Walery Stelmaszuk (Minsk)*
- 17:35-17:45 Hungary. *Imre Ungi (Seged)*
- 17:45-17:55 Russia. *Bagrat Alekryan (Moscow)*
- 17:55-18:10 Slovakia. *Stanislav Juhas (Kosice)*
- 18:10-18:20 Poland. *Wojciech Wojakowski (Katowice)*

18:20-18:30 Lithuania. *Pranas Serpytis (Vilnius)*
18:30-18:40 Romania. *Lucian Zarma (Bucharest)*
18:40-18:50 Ukraine. *Sebov Denys (Odessa)*
18:50-19:00 Czech Republic. *Petr Kala (Brno)*
19:00-19:12 Featured lecture: The organization of acute myocardial infarction treatment in Korea. *Young Joon Hong (Gwangju)*
19:12-19:22 Discussion and Wrap up. *Adam Witkowski (Warsaw)*

20:00-21:30 | Room STRATUS (9th floor)

Meeting of the Board of the Association on Cardiovascular Interventions of the Polish Cardiac Society

20:00 | Mirage Restaurant (ground floor)

Get-together

Room DISCOVERY and CHALLENGER (7th floor)

Training Room Medtronic

10:30-15:30 | Room VEGA

Terumo workshop



XXII Warsaw Course on Cardiovascular Interventions

Thursday 26th April, 2018

7:00-8:00 | Room CUMULUS (9th floor)

Meeting of the Editorial Board of the Invasive Cardiology Journal

8:00-9:30 | Room GALAXY 2 and 3

General Assembly of the Association on Cardiovascular Interventions of the Polish Cardiac Society

9:30-11:45 | Room GALAXY 2 and 3

Session 1. Controversies in the treatment of stable angina

Chairmen: Bagrat Alekyan (Moscow), Marcin Demkow (Warsaw), Janina Stępińska (Warsaw)

Panelists: Avtandil Babunashvili (Moscow), Tomasz Hryniewiecki (Warsaw), Dariusz Jagielak (Gdańsk), Petr Kala (Brno), Sang Wook Kim (Seoul), Marcin Maruszewski (Warsaw), Wojciech Wojakowski (Katowice)

9:30-10:00 Live case 1. Patient with STABLE ANGINA and multivessel CAD

Operators: Maciej Lesiak (Poznan), Jarosław Rzezak (Warsaw); FFR/IVUS/OCT: Jacek Bil (Warsaw)

10:00-10:15 Great Debate: Conservative versus interventional approach in patients with stable angina pectoris

10:00-10:07 Preferred treatment strategy for patients with stable angina is conservative. *Andreas Baumbach (London)*

10:07-10:15 Interventional treatment is always better. *Ravi Nair (Cleveland)*

10:15-10:51 Beyond coronary revascularization – what interventionalist should know about high risk PCI in different clinical scenarios

10:15-10:27 A patient with chronic heart failure. *Giuseppe DeLuca (Novara)*

10:27-10:39 A patient in cardiogenic shock. *Jacek Legutko (Krakow)*

10:39-10:51 An unconscious patient after the sudden cardiac arrest. *Marek Gierlotka (Opole)*

10:51-11:30 Live case 2. Patient STABLE ANGINA and left main stenosis

Operators: Sławomir Dobrzycki (Białystok), Tomasz Pawłowski (Warsaw); FFR/IVUS/OCT: Jacek Bil (Warsaw)

11:30-11:45 Featured Lecture:

Lessons from the 2017 ESC DAPT Guidelines and recent studies – focus on a complex therapy in complex patients. *Goran Olivecrona (Lund)*

11:45-12:30 | Room GALAXY 2 and 3

Session 2. Acute coronary syndrome: case review session

Chairmen: Andreas Baumbach (London), Giuseppe DeLuca (Novara), Tomasz Hryniewiecki (Warsaw)

Panelists: Zbigniew Chmielak (Warsaw), Dariusz Dudek (Krakow), Robert Gil (Warsaw), Michał Hawranek (Zabrze), Jarosław Wójcik (Lublin), Nabijon Yuldoshev (Tashkent)

11:45-11:55 Case 1. *Mateusz Tajstra (Zabrze)*

11:55-12:00 Discussion

12:00-12:10 Case 2. *Avtandil Babunashvili (Moscow)*

12:10-12:15 Discussion

12:15-12:25 Case 3. *Sang Wook Kim (Seoul)*

12:25-12:35 Discussion

12:35-13:10 | Room GALAXY 2 and 3

Opening Ceremony

1. Robert J. Gil and Adam Witkowski, WCCI Directors

2. Piotr Ponikowski, President of the Polish Cardiac Society

3. Wojciech Wojakowski, Chairman of Association on Cardiovascular Interventions of the Polish Cardiac Society

4. Andreas Baumbach, President of the EAPCI

5. Andreas Award

13:10-13:20 | Coffee Break

13:20-17:00 | Room GALAXY 2 and 3

PCR Learning Pathway on Multivessel Coronary Artery Disease treatment

PCR SESSION @ WCCI

13:20-14:20 Learning PCI in Multivessel Coronary Artery Disease and distal Left Main stenosis

Facilitators: Petr Kala (Brno), Adam Witkowski (Warsaw)

Media Driver: Jarosław Skowroński (Warsaw)

Live-in-a box 1

14:20-15:20 | Lunch

14:20-15:20 | Room ZEPPELIN (7th floor)

Editorial Board Meeting of the Advances in the Interventional Cardiology

14:20-15:20 | Room CONCORDE (7th floor)

Decide, guide and confirm with the newest technology from Philips

Session moderators: Robert J. Gil, MD, PhD, Professor (Central Clinical Hospital of Ministry of Internal Affairs and Administration in Warsaw, Poland), Jacek Legutko, MD, PhD, Professor (Jagiellonian University Medical College, John Paul II Hospital in Krakow)

Panelists: Janusz Kochman, MD, PhD (Samodzielny Publiczny Centralny Szpital Kliniczny w Warszawie), Jerzy Sacha, MD, PhD (Uniwersytecki Szpital Kliniczny w Opolu)

1. Session objectives, Robert J. Gil, MD, PhD, Professor
2. How to perform IVUS coregistration on a Philips Sync Vision System, Jacek Legutko, MD, PhD, Professor
3. How to perform iFR coregistration on a Philips Sync Vision System, Robert J. Gil, MD, PhD, Professor
4. Case presentation, Jerzy Sacha, MD, PhD
5. Discussion
6. Take home message, Jacek Legutko, MD, PhD, Professor

PCR SESSION @ WCCI

15:20-16:00 | Room GALAXY 2 and 3

How Should I Treat Multivessel Coronary Artery Disease? Part 1

Chairmen: Giuseppe DeLuca (Novara), Robert J. Gil (Warsaw), Andrzej Ochała (Katowice)

Panelists: Bagrat Alekryan (Moscow), Avtandil Babunashvili (Moscow), Valery Gelev (Sofia), Petr Kala (Brno), Wojciech Wojakowski (Katowice), Jarosław Zalewski (Kraków)

15:20-15:25 Introduction and objectives. Andrzej Ochała (Katowice)

Case 1. Speaker 1: Case presentation (5 minutes) Piotr Waciński (Lublin)
Expert 1: How would I treat? (7 minutes) Zenon Huczek (Warsaw)
Expert 2: How would I treat? (7 minutes) Andreas Baumbach (London)
Speaker 1 (5 minutes) Piotr Waciński (Lublin)
Discussion – 10 minutes

15:55-16:00 Consensus. Robert J. Gil (Warsaw)

16:00-16:10 | Coffee break

PCR SESSION @ WCCI

16:10-16:50 | Room GALAXY 2 and 3

How Should I treat Multivessel Coronary Artery Disease? Part 2

Chairmen: Andreas Baumbach (London), Robert Gil (Warsaw)

Panelists: Adam Kern (Olsztyn), Jacek Legutko (Krakow), Andrzej Lekston (Zabrze), Maciej Lesiak (Poznań), Jerzy Pręgowski (Warsaw), Nabijon Yuldoshev (Tashkent)

16:10:16:15 Introduction and objectives. Andreas Baumbach (London)

Case 2. Speaker 2: Case presentation (5 minutes). Hoyoun Won (Seoul)
Expert 1: How would I treat? (7 minutes). Maciej Lesiak (Poznań)
Expert 2: How would I treat? (7 minutes). Avtandil Babunashvili (Moscow)

Speaker 2: How did I treat. (5 minutes). *Hoyoun Won (Seoul)*

Discussion. (10 minutes)

16:45-16:50 Consensus. *Robert J. Gil (Warsaw)*

13:20-14:35 | Room GALAXY 1

13:20-14:35 Coronary Symposium. Challenges for the interventionalists – Left Main Disease

Chairmen: *Dariusz Dudek (Krakow), Mariusz Gąsior (Zabrze), Michał Krejca (Lodz)*

Panelists: *Stanisław Bartuś (Kraków), Marcin Maruszewski (Warsaw), Harald Mudra (Munich), Radosław Parma (Katowice), Piotr Suwalski (Warsaw), Dobrin Vassiliev (Sofia)*

13:20-13:32 LM PCI in patients refused from surgical repair. *Valery Gelev (Sofia)*

13:32-13:44 LM trifurcation: step by step approach. *Maciej Lesiak (Poznan)*

13:44-13:56 Calcified LM or LM equivalent diseases – not only ROTA. *Piotr Waciński (Lublin)*

13:56-14:35 Live case 3. PCI in MVD CAD with ROTA

Operators: *Krzysztof Kukuła (Warsaw), Tomasz Pawłowski (Warsaw); FFR/IVUS/OCT: Jacek Bil (Warsaw)*

14:20-15:20 | Lunch

15:20-15:57 | Room GALAXY 1

Case based Coronary Symposium. Challenges for the interventionalist – Complications during LM bifurcation intervention

Chairmen: *Goran Olivecrona (Lund), Adam Witkowski (Warsaw), Jun Jie Zhang (Nanjing)*

Panelists: *Avtandil Babunashvili (Moscow), Young Joon Hong (Gwangju), Miłosz Jaguszewski (Gdańsk), Michał Krejca (Lodz), Krzysztof Milewski (Ustron), Jan Z. Peruga (Łódź), Piotr Suwalski (Warszawa)*

15:20-15:28 Case 1. Dissection after LM stenting. *Adam Kern (Olsztyn)*

15:28-15:36 Case 2. Occlusive thrombus during LM PCI. *Piotr Buszman (Ustron)*

15:44-15:52 Case 3. Cardiogenic shock during LM PCI. *Marek Gierlotka (Opole)*

15:52-15:57 Discussion and Wrap-up. *Adam Witkowski (Warsaw)*

15:57-16:26 | Room GALAXY 1

Coronary Symposium. Challenges for the interventionalist – PCI after surgery (case based session)

Chairmen: *Stanisław Bartuś (Krakow), Ariel Finkelstein (Tel Aviv), Harald Mudra (Munich)*

Panelists: *Michał Krejca (Łódź), Piotr Kwiatkowski (Warszawa), Marcin Maruszewski (Warsaw), Adam Sukiennik (Bydgoszcz), Marcin Świerad (Zabrze), Jarosław Zalewski (Krakow)*

15:57:16:05 PCI Immediately after/during CABG. *Michał Hawranek (Zabrze)*

16:05:16:13 ACS after CABG caused by graft failure – best approach. *Wojciech Wojakowski (Katowice)*

16:13:16:21 PCI after valve surgery. *Krzysztof Milewski (Ustron)*

16:21-16:26 Wrap-up. *Ariel Finkelstein (Tel Aviv)*

16:26-17:10 | Room GALAXY 1

Coronary Symposium: Challenges for the interventionalist – Optimal antithrombotic therapy. Focus on DAPT and OAC/NOAC

Chairmen: *Giuseppe DeLuca (Novara), Jacek Kubica (Bydgoszcz), Janina Stępińska (Warsaw)*

Panelists: *Leszek Bryniarski (Krakow), Zbigniew Chmielak (Warsaw), Dariusz Ciećwierz (Gdańsk), Petr Kala (Brno), Mateusz Tajstra (Zabrze), Wojciech Wąsek (Warszawa), Jarosław Zalewski (Kraków)*

16:26-16:38 Is endothelialization process important in terms of DAPT duration? Do the stents differ in this respect?
Krzysztof Milewski (Ustron)

16:38-16:50 Do we know the best DAPT? Is any difference between native coronaries and bypass grafts? *Ralf Birkemeyer (Ulm)*

16:50-17:02 Do we need different thrombotic/bleeding risks scores? How does it work? *Krzysztof Kukuła (Warsaw)*

17:02-17:10 Triple therapy in the lights of the newest ESC Guidelines on DAPT. *Bagrat Alekyan (Moscow)*

17:10- 18:25 | Room GALAXY 1

Session 4: Forum on transcatheter aortic valve implantation: case review

Chairmen: *Ariel Finkelstein (Tel Aviv), Dariusz Jagielak (Gdansk), Witold Rużyłto (Warsaw)*

Panelists: *Paweł Buszman (Bielsko Biała), Zbigniew Chmielak (Warsaw), Dariusz Dudek (Krakow), Michał Hawranek (Zabrze), Tomasz Hirnle (Białystok), Adam Witkowski (Warsaw)*

17:00-17:05	Learning objectives. <i>Ariel Finkelstein (Tel Aviv)</i>
17:05-17:15	Case 1. <i>Marcus Kasel (Munich)*</i> *Sponsored by EDWARDS Lifesciences
17:15-17:20	Discussion
17:20-17:30	Case 2. <i>Maciej Dąbrowski (Warsaw)</i>
17:30-17:35	Discussion
17:35-17:45	Case 3. <i>Piotr Olszówka (Rzeszow)</i>
17:45-17:50	Discussion
17:50-18:00	Case 4. <i>Krzysztof Wilczek (Zabrze)</i>
18:00-18:20	Discussion
18:20-18:25	Take-home message. <i>Witold Rużyło (Warsaw)</i>

18:30-19:58 | Room GALAXY 1

Session 5: FFR and iFR – together or separately?

Chairmen: *Ralf Birkemeyer (Ulm), Paweł Buszman (Ustron), Jacek Legutko (Krakow)*

Panellists: *Giuseppe DeLuca (Novara), Miłosz Jaguszewski (Gdańsk), Jerzy Pręgowski (Warsaw), Wojciech Wąsek (Warsaw), Adam Witkowski (Warsaw), Nabijon Yuldoshev (Tashkent)*

18:30-19:10 Live case 4. PCI in MV CAD with iFR and FFR

Operators: *Maciej Lesiak (Poznan), Jarosław Rzezak (Warsaw); IVUS/FFR/OCT: Jacek Bil (Warsaw)*

19:10-19:22	FFR: Indices for functional assessment of coronary stenosis. <i>Maksymilian Opolski (Warsaw/Amsterdam)</i>
19:22-19:34	FFR and iFR – are they equal-valuable? <i>Jacek Legutko (Kraków)</i>
19:34-19:46	Acute coronary syndrome – how and when to assess coronary stenosis severity. <i>Radosław Parma (Katowice)</i>
19:46-19:58	Case based presentation of on-line functional coronary stenosis assessment in MVD. <i>Tomasz Roleder (Katowice)</i>

17:00-17:40 | Room GALAXY 2 and 3

Live case from Budapest

Chairmen: *Dariusz Dudek (Krakow), Robert J. Gil (Warsaw), Young Joon Hong (Gwangju)*

Panellists: *Zbigniew Chmielak (Warsaw), Dariusz Ciećwierz (Gdańsk), Marek Gierlotka (Zabrze), Andrzej Ochała (Katowice), Jarosław Zalewski (Krakow), Jarosław Wójcik (Lublin)*

17:00-17:40 Live case 5 from Budapest. A patient with multisite atherosclerosis. Hungarian experience

Operator: *Zoltan Ruzsa (Budapest)*

17:40-19:20 | Room GALAXY 2 and 3

Session 3. Left main stenosis – are we ready to treat?

Chairmen: *Zbigniew Chmielak (Warsaw), Marek Grygier (Poznan), Marek Jasiński (Wroclaw)*

Panellists: *Avtandil Babunashvili (Moscow), Sławomir Dobrzycki (Białystok), Valery Gelev (Sofia), Pranas Serpytis (Vilnius), Jarosław Wójcik (Lublin), Jun Jie Zhang (Nanjing)*

17:40-17:52	Featured Lecture: Left main disease – what interventionalist should know regarding anatomy and physiology <i>Dariusz Dudek (Krakow)</i>
17:52-18:42	Live case 7: PCI in LMCA with IVUS/OCT Operators: <i>Robert J. Gil (Warsaw), Tomasz Pawłowski (Warsaw); IVUS/FFR/OCT: Jacek Bil (Warsaw), Krzysztof Bryniarski (Krakow)</i>
18:42-18:56	Featured lecture: The intravascular findings in patients with very late DES thrombosis. <i>So-Yeon Choi (Suwon)</i>
18:56-19:08	Does optimal technique for LM stenting exist? How should we manage it? <i>Jun Jie Zhang (Nanjing)</i>
19:08-19:20	Case based presentation of distal LM stenosis stenting using IVUS guidance. <i>Jacek Legutko (Krakow)</i>
19:20-19:32	Revascularization for LM disease: cardiac surgeon point of view after EXCEL and NOBLE Trials. <i>Piotr Suwalski (Warsaw)</i>

DISCOVERY and CHALLENGER Rooms

Training Room Medtronic



XXII Warsaw Course on Cardiovascular Interventions

Friday 27th April, 2018

7:30-9:00 | Room GALAXY 1

General Assembly of the Professional Association of Interventional Cardiologists (in Polish)
Walne Zgromadzenie Stowarzyszenia Zawodowego Kardiologów Interwencyjnych

7:30-9:00 | Room VEGA (1st floor)

Meeting of the POLBOS 3 and POLBOS LM Studies Investigators

9:00-15:00 | Room GALAXY 1

Structural Heart Diseases

9:00-10:40 | Room GALAXY 1

Mitral regurgitation – the options for transcatheter therapies

Chairmen: Goran Olivecrona (Lund), Adam Witkowski (Warsaw)

Pannelists: Tomasz Hirnle (Białystok), Piotr Kołsut (Warsaw), Maciej Lesiak (Poznań), Adam Rdzanek (Warsaw), Adam Sukiennik (Bydgoszcz), Jarosław Trębacz (Kraków)

- 9:00-9:05 Introduction. *Goran Olivecrona (Lund)*
- 9:05-9:45 Life case 1: MitraClip for functional MR
Operators: Zbigniew Chmielak, Jerzy Pręgowski (Warsaw); ECHO: Piotr Szymański (Warsaw)
- 9:45-9:57 MitraClip in Europe and Poland – statistics. *Dariusz Dudek (Kraków)*
- 9:57-10:09 Tricuspid insufficiency in patients with functional mitral regurgitation. Echocardiographic perspective.
Piotr Pysz (Katowice)
- 10:09-10:21 Harpoon System for patients with mitral regurgitation. *Piotr Kołsut (Warsaw)*
- 10:21-10:33 The percutaneous mitral valve replacement. *Adam Witkowski (Warsaw)*
- 10:33-10:40 Wrap-up. *Adam Witkowski (Warsaw)*

10:40-10:50 | Coffee Break

10:50-12:30 | Room GALAXY 1

Needs Around TAVI

Chairmen: Marek Jasiński (Wrocław), Janusz Kochman (Warsaw), Krzysztof Wilczek (Zabrze)

Panellists: Bagrat Alekyan (Moscow), Zenon Huczek (Warsaw), Dariusz Jagielak (Gdansk), Piotr Olszówka (Rzeszow), Jarosław Trębacz (Krakow), Łukasz Tułeczki (Zamość), Jarosław Wójcik (Lublin)

TAVI in specific anatomic indications

- 11:02-11:14 TAVI in bicuspid aortic valve. *Zenon Huczek (Warsaw)*
- 11:14-11:26 TAVI for failed bioprosthetic surgical valve. *Marek Grygier (Poznan)*
- 11:26-11:38 TAVI for pure aortic regurgitation. *Ralf Birkemeyer (Ulm)*
- 11:38-11:50 TAVI in perspective: my personal guidelines for 2018 and future recommendations. *Ariel Finkelstein (Tel Aviv)*
- 11:50-12:30 Live case 2. TAVI
Operators: Adam Witkowski (Warsaw), Maciej Dąbrowski (Warsaw); ECHO: Paweł Tyczyński (Warsaw)

12:30-13:30 | Lunch

13:30-15:00 | Room GALAXY 1

Left Atrial Appendage Occlusion

Chairmen: Jarosław Kasprzak (Łódź), Witold Rużyłło (Warsaw)

Panellists: Maciej Dąbrowski (Warsaw), Janusz Kochman (Warsaw), Tomasz Pawłowski (Warsaw), Tadeusz Przewłocki (Krakow), Jerzy Sacha (Opole), Grzegorz Smolka (Katowice), Wiktor Streb (Zabrze), Wojciech Wąsek (Warsaw)

- 13:30-13:42 LAAO: current indications and future perspective. *Jarosław Kasprzak (Łódź)*
 Review of available devices
- 13:42-13:49 AMULET. *Witold Streb (Zabrze)*
- 13:49-14:06 WATCHMAN. *Grzegorz Smolka (Katowice)*
- 14:06-14:13 LAMBRE *Jarosław Kasprzak (Łódź)*
- 14:13-14:20 LARIAT. *Krzysztof Bartuś (Krakow)*
- 14:20-14:55 Live case 3. LAAO
Operators : Apostolos Tzikas (Thessaloniki), Radosław Pracoi (Warsaw); ECHO: Marek Konka (Warsaw)
- 14:55-15:00 Wrap-up. *Jarosław Kasprzak (Łódź)*

9:00-15:25 | Room GALAXY 2

Coronary artery disease

9:00-10:32 | Room GALAXY 2

Debate: Intracoronary imaging: IVUS vs OCT

Chairmen: Tomasz Pawłowski (Warsaw), Wojciech Wojakowski (Katowice)

Panelists: Jacek Bil (Warsaw), Krzysztof Bryniarski (Krakow), Miłosz Jaguszewski (Gdańsk), Adam Kern (Olsztyn), Pascal Meier (London), Ravi Nair (Cleveland), Tomasz Roleder (Katowice), Zoltan Ruzsa (Budapest)

- 9:00-9:05 Introduction. *Wojciech Wojakowski (Katowice)*
- 9:05-9:15 Pro-IVUS. *Jacek Legutko (Krakow)*
- 9:15-9:25 Pro-OCT. *Tomasz Pawłowski (Warsaw)*
- 9:25-9:30 IVUS: rebuttal. *Jacek Legutko (Krakow)*
- 9:30-9:35 OCT: rebuttal. *Tomasz Pawłowski (Warsaw)*
- 9:35-9:40 Wrap-up. *Tomasz Pawłowski (Warsaw)*
- 9:40-10:20 Live case 4. Left Main PCI in a patient with percutaneous LVAD
Operators: Mateusz Tajstra (Zabrze), Michał Ciszewski (Warsaw), Krzysztof Kukuła (Warsaw); IVUS/FFR/OCT: Paweł Tyczyński (Warsaw)
- 10:20-10:32 Featured Lecture: Is it prime time for NOAC in ACS and stable angina pts after PCI? *Ralf Birkemeyer (Ulm)*

10:32-10:50 | Coffee Break

10:50-12:30 | Room GALAXY 2

Complications during PCI: How we do a complication and how we may successfully deal with it?

Chairmen: Robert Gil (Warsaw), Harald Mudra (Munich), Jun Jie Zhang (Nanjing)

Panelists: Avtandil Babunashvili (Moscow), Kiseok Kim (Jeju), Pascal Meier (London), Radosław Parma (Katowice), Jan Zbigniew Peruga (Łódź), Piotr Waciński (Lublin), Jarosław Zalewski (Kraków)

- 10:50-10:55 Session objectives. *Harald Mudra (Munich)*
- 10:55-11:05 Case 1. *Miłosz Jaguszewski (Gdansk)*
- 11:05-11:10 Discussion
- 11:10-11:20 Case 2. *Jan Z. Peruga (Lodz)*
- 11:20-11:25 Discussion
- 11:25-11:35 Case 3. *Ravi Nair (Cleveland)*
- 11:35-11:40 Discussion
- 11:40-11:50 Case 4. *Jun Jie Zhang (Nanjing)*
- 11:50-11:55 Discussion
- 11:55-12:05 Case 5. *Piotr Waciński (Lublin)*
- 12:05-12:10 Discussion
- 12:10-12:20 Case 6. *Hoyoun Won (Seoul)*
- 12:20-12:25 Discussion
- 12:25-12:30 Take home message. *Robert J. Gil (Warsaw)*

12:30-13:30 | Lunch

13:30-16:25 | Room GALAXY 2

Coronary bioresorbable scaffolds: Today practice or still futuristic approach?

Chairmen: Paweł Buszman (Ustron), Dariusz Dudek (Krakow), Goran Olivecrona (Lund)

Panelists: Jacek Bil (Warsaw), Adam Kern (Olsztyn), Sang Wook Kim (Seoul), Pascal Meier (London), Tomasz Pawłowski (Warsaw), Piotr Waciński (Lublin)

- 13:30-13:45 Ideal coronary bioresorbable scaffold in the light of histopatologic and clinical data. Krzysztof Milewski (Ustron)
- 13:45-14:00 Available devices and clinical evidences. Pascal Meier (London)
- 14:00-14:40 Live case 5. PCI in a patient with bioresorbable stents
Operators: Wojciech Wojakowski (Katowice), Cezary Sosnowski (Warsaw); IVUS/FFR/OCT: Paweł Tyczyński (Warsaw)
- 14:40-15:20 Live case 6. PCI in a patient with calcifications in coronary arteries.
Operators: Sławomir Dobrzycki (Białystok), Krzysztof Kukuła (Warsaw); IVUS/OCT/FFR: Łukasz Kalińczuk (Warsaw)
- 15:20-16:00 Live case 7 from Brno
Operators: Petr Kala, TBD
- 16:20-16:25 Take-home message. Goran Olivecrona (Lund)

9:00-13:55 | Room GALAXY 3

- 9:00-10:37 Workshop on carotid stenting
- 10:50-12:15 Workshop on paravalvular leaks closure
- 12:25-13:55 Workshop on peripheral arteries interventions

9:00-10:37 | Room Galaxy 3

Workshop on Carotid Stenting

Chairmen: Stanisław Bartuś (Kraków), Waclaw Kuczmik (Katowice), Olgierd Rowiński (Warsaw)

Panelists: Piotr Andziak (Warsaw), Mirosław Dziekiewicz (Warsaw), Jacek Kądziała (Warsaw), Tadeusz Przewłocki (Kraków), Tomasz Smyk (Zamosc), Marcin Świerad (Zabrze), Adam Witkowski (Warsaw)

- 9:00-9:13 Carotid stenting: current guidelines. Tadeusz Przewłocki (Krakow)
- 9:13-9:26 Carotid stenting: review of available wires, guiding catheters/sheaths, stents and neuroprotective devices.
Marcin Świerad (Zabrze)
- 9:26-9:39 Carotid stenting: procedure step-by-step. Adam Kobayashi (Warsaw)
- 9:39-10:20 Live in a box 1. Carotid stenting
Operators: Zbigniew Chmielak (Warsaw), Adam Witkowski (Warsaw)
- 10:20-10:32 CAS versus CEA: when and to whom? Piotr Andziak (Warsaw)
- 10:32-10:37 Take-home message. Stanisław Bartuś (Krakow)

10:37-10:50 | Coffee Break

10:50-12:15 | Room Galaxy 3

Workshop on Perivalvular Leak Closure

Chairmen: Dariusz Ciećwierz (Gdansk), Grzegorz Smolka (Katowice), Wojciech Wojakowski (Katowice)

Panelists: Krzysztof Bartuś (Krakow), Marek Grygier (Poznan), Ravi Nair (Cleveland), Marcin Protasiewicz (Wroclaw), Tadeusz Przewłocki (Krakow), Jerzy Sacha (Opole), Nabi Yon Yuldoshev (Tashkent)

- 10:50-11:02 Echocardiographic guidance. Piotr Szymański (Warsaw)
- 11:02-11:14 Perivalvular leak closure after surgical valves. Wojciech Wojakowski (Katowice)
- 11:14-11:26 Perivalvular leak closure after TAVI and TMVR. Wojciech Wojakowski (Katowice)
- 11:26-11:38 Perivalvular leaks closure: review of available devices and procedural techniques. Grzegorz Smolka (Katowice)
- 11:38-12:10 Live in a box 2. Perivalvular leak closure after SAVR
Operators: Marcin Demkow (Warsaw), Adam Witkowski (Warsaw); ECHO: Marek Konka (Warsaw)
- 12:10-12:15 Take-home message. Grzegorz Smolka (Katowice)

12:15-12:25 | Coffee Break

12:25-13:55 | Room Galaxy 3

Workshop on Peripheral Arteries Revascularization for Interventional Cardiologists

Chairmen: *Wacław Kuczmik (Katowice), Zoltan Ruzsa (Budapest), Jerzy Walecki (Warsaw)*

Panelists: *Piotr Andziak (Warsaw), Stanisław Bartuś (Kraków), Robert J. Gil (Warsaw), Piotr Szopiński (Warsaw), Krzysztof Ziąja (Katowice)*

12:25-12:30 Learning objectives. *Robert J. Gil (Warsaw)*

12:30-12:50 **Great Debate: Does the introduction of the 2017 ESC Guidelines change landscape of PAD treatment?**

12:20-12:30 Vascular surgeon point of view. *Wacław Kuczmik (Katowice)*

12:30-12:40 Interventional cardiologist point of view. *Stanisław Bartuś (Krakow)*

12:40-12.50 Summary. *Zoltan Ruzsa (Budapest)*

12:50-13:15 Live in a box 3

Operators: Ryszard Walas (Zabrze)

13:15-13:17 How to establish PAD`s program in your Institution. *Zoltan Ruzsa (Budapest)*

13:17-13:29 Minimal program on percutaneous treatment in PAD for interventional cardiologist – is it really enough?

Dobrin Vassiliev (Sofia)

13:29-13:50 Roundtable discussion: How deeply should be interventional cardiologist involved in PAD treatment.

13:50-13:55 Take-home message. *Stanisław Bartuś (Kraków)*

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