



XXV

Warsaw Course on Cardiovascular Interventions

23-25 June 2021



WORKSHOP PROGRAMME

Wednesday, 23th June, 2021

09:00-11:00 General Assembly of the Association on Cardiovascular Interventions of the Polish Cardiac Society

11:00-11:30 TECHNICAL BREAK

11:30-12:00 OPENING CEREMONY OF THE 25th WARSAW COURSE ON CARDIOVASCULAR INTERVENTIONS

1. Robert J. Gil, WCCI Director
2. Adam Witkowski, WCC Director, President of the Polish Cardiac Society
3. Stanisław Bartuś, Chairman of Association on Cardiovascular Interventions of the Polish Cardiac Society
4. Dariusz Dudek, President of the EAPCI

Studio 1

12:00-13:00 Joint Session of the Association on Cardiovascular Interventions & Intensive Cardiological Care Associations of the Polish Cardiac Society: Interventional Cardiology in COVID-19 pandemic time.

SESSION IN POLISH

Chairmen: S. Bartuś (Kraków), A. Tycińska (Białystok)
Panelists: M. Grygier (Poznań), W. Wojakowski (Katowice), P. Trzeciak (Zabrze), M. Gierlotka (Opole)

- 12:00-12:10 Organization of acute cardiovascular interventions to meet ESC guidelines in COVID-19 time. Adam Witkowski (Warsaw)
- Discussion 10 min
- 12:20-12:30 Organization of intensive cardiac care in COVID-19 time. Barbara Zawiślak (Krakow)
- Discussion 10 min
- 12:40-12:50 Impact of COVID-19 ASC treatment. Jacek Legutko (Krakow)
- 12:50-13:00 Discussion

Studio 2

12:00-13:00 Is the idea "leave nothing behind" still alive? Session organized by Club 30 of the Polish Cardiac Society.

SESSION IN ENGLISH

Chairmen: A. Kapłon-Cieślicka (Warszawa), Robert J. Gil (Warszawa)

Panelists: B. Michalski (Łódź), J. Bil (Warszawa), W. Wańha (Katowice), K. Bryniarski (Kraków), Maciej Wybraniec (Katowice)

- 12:00-12:12 Ideal device for PCI – does it exist? Robert J. Gil (Warszawa)
- 12:12-12:24 Best case for DCB. Piotr Buszman (Bielsko-Biała)
- 12:24-12:36 Best case for BRS. Miłosz Jaguszewski (Gdańsk)
- 12:36-12:48 Is it time for RMS. Magdalena Łanocha (Lubin)
- 12:48-13:00 Wrap-up.

13:00-13:15 TECHNICAL BREAK

13:15-14:45 Workshop on intracoronary diagnostic techniques: beyond coronary angiography in everyday practice?

SESSION IN POLISH

Chairmen: J. Legutko (Krakow), J. Pręgowski (Warszawa)

Panelists: A. Kern (Olsztyn), T. Roleder (Wrocław), R.J. Gil (Warsaw)

- 13:15-13:30 Intravascular ultrasound: plaque morphology and burden. K. Bryniarski (Krakow)
- **13:30-13:50 Live case 1IVUS/FFR guided PCI for MVD**
Operator: T. Pawłowski (Warsaw) / Ł. Kołtowski (Warsaw)
- 14:00-14:15 Optical coherence tomography: when and whom. M. Opolski (Warsaw)
- 14:15-14:30 FFR and derivatives in MVD. M. Jaguszewski (Gdansk)
- 14:30-14:45 Coronary microvasculature assessment: when and whom. J. Bil (Warszawa)

13:15-14:45 Workshop on cardiovascular imaging – how, when and by means of what kind technique we should use in structural heart diseases.

SESSION IN ENGLISH

Chairmen: Marcin Fijałkowski (Gdańsk), Piotr Szymański (Warsaw)

Panelists: A. Pawlak (Warsaw), A. Witkowski (Warsaw), W. Wojakowski (Katowice), Z. Huczek (Warsaw)

- 13:15-13:30 ECHO assessment in screening for minimal invasive procedures on mitral valve in patients disqualified for classic heart surgery. Radosław Nowak (Gdańsk)
- 13:30-13:45 Interventions on aortic and mitral valves – what's the role of Angio-CT. Jagoda Fijałkowska (Gdańsk)
- 13:45-14:00 How we can optimize cardiovascular interventions with cMRI. Katarzyna Gil (Columbus, OH, US)
- 14:15-14:30 New conceptions in cardiovascular imaging before interventions – fusions, 3D printing, holograms. Jarosław Meyer-Szary (Gdańsk)
- **14:30-14:45 Live-in-a box 2**
Clinical case presenting the role of integrated imaging for final result.
Operator: TBD

14:45-15:00 TECHNICAL BREAK

15:00-17:10 European Bifurcation Club session: Coronary bifurcation treatment in 2021

SESSION IN ENGLISH

Chairmen: R.J. Gil (Warsaw), G. Stankovic (Belgrade)

Panelists: Maciej Lesiak (Poznań), Jacek Legutko (Krakow)

- **15:00-15:40 Live case 1. PCI of “non-true” bifurcation lesion**
Operators: Z. Chmielak (Warsaw), T. Pawłowski (Warsaw)
- **15:00-15:30 Live case 2. PCI of bifurcation lesion**
Operators: Z. Chmielak (Warsaw), T. Pawłowski (Warsaw)
- 15:30-15:45 How I treat non-true coronary bifurcation (Medina o-0-1) SL. Chen (Nanjing)
- 15:45-16:00 Distal Left main stenting – is the need to reassess current indications? G.De Luca (Novara)
- 16:00-16:20 Panel discussion
- **16:20-17:05 Live case 3. Patient with distal left main stenosis (PTS approach).**
Operators: T. Pawłowski (Warsaw), Z. Śliwiński (Warsaw)
- 17:05-17:10 Wrap-up. R.J. Gil (Warsaw)

15:00-16:30 Session/workshop organized by the Association of Intensive Cardiac Care of the Polish Cardiac Society

SESSION IN POLISH

Chairmen: Agnieszka Tycińska (Białystok), Barbara Zawiślak (Kraków), Agnieszka Kapłon-Cieślicka (Warszawa)

- 15:00-15:30 USG-guided CVC. B. Kudliński (Zielona Góra)
- 15:30-16:00 Patient with LVAD - management and monitoring at the ICCU. M. Stąpór (Kraków)
- 16:00-16:25 HFNC workshop. A. Tycińska (Białystok)
- 16:25-16:30 Wrap-up.

17:10-17:25 TECHNICAL BREAK

17:25-18:47 Symposium: Innovations in Cardiology – Let`s have a look what is and will be available in Cath Lab.

16:40-18:20 My best&worst case. Session under the patronage of the e-journal Interventional Cardiology Academy in cooperation with Club 30 of the PCS.

SESSION IN ENGLISH

Chairmen: R.J. Gil (Warsaw), S. Bartuś (Krakow),
A. Witkowski (Warsaw)

- 17:25-17:30 Introduction and objectives. R.J. Gil (Warsaw)
Presentations of Industry Innovations:
- 17:25-17:30 Introduction and objectives. R.J. Gil (Warsaw) Presentations of Industry Innovations
- 17:30-17:37 Philips Volcano. Radosław Kotowski
- 17:37-17:44 Siemens Healthcare
- 17:44-17:51 Meril Life. Marcin Protasiewicz
- 17:51-17:58 Abbott SH. Marek Grygier
- 17:58-18:05 Abbott. Ultreon and Opstar – new era in PCI supported by AI. Miłosz Dziarmaga
- 18:05-18:12 Medtronic. Robert J. Gil
- 18:12-18:19 Balton. Robert J. Gil
- 18:19-18:26 SMT. Robert J. Gil
- 18:26-18:33 Biotronik. Tomasz Pawłowski
- 18:33 -18:40 Medaccess & PulseCath. Robert J. Gil
- 18:40-18:47 Take-home message. S. Bartuś (Krakow)

Competition for diplomas.

SESSION IN ENGLISH

Chairmen: Miłosz Jaguszewski (Gdańsk), Arkadiusz Pietrasik (Warsaw)

- 16:40-16:50 You can't make an omelette without breaking eggs - story of STEMI case. Piotr Rola (Legnica)
- 16:50-17:00 Can you manage acute, left main and right coronary vessel occlusion? Piotr Buszman (Ustroń)
- 17:00-17:10 Complex PCI - keep it simple. Tomasz Figatowski (Gdańsk)
- 17:10-17:20 Closure of left atrial appendage with a thrombus. Łukasz Lewicki (Wejherowo)
- 17:20-17:30 Asymptomatic dislocation of LAAC device- when a threatening complication becomes the ultimate success. Piotr Wańczura (Rzeszów)
- 17:30-17:40 Interventional approach to LVAD outflow graft obstruction: at the crossroad of thrombus, biod- ebris and twist. Aleksandra Gąsecka (Amsterdam)
- 17:40-17:50 First in man pulmonary artery stenting in patient with proximal CTEPH. Szymon Darocha (Otwock)
- 17:50-18:20 Discussion

Studio 1



Warsaw Course on Complex and High Risk Patients (WAR-CHIP)
organized in cooperation with Euro4C Group

Warsaw Course on Complex and High Risk Indicated Patients (WAR-CHIP) organized in cooperation with Euro4C group.

Course Directors: T. Pawłowski (Warsaw) and M. Ferenc (Bad Krozingen)

Scientific Committee: R.J. Gil (Warsaw), A. Witkowski (Warsaw), K. Reczuch (Wrocław), L. Bryniarski (Krakow)

9:30-11:00 Session 1: How to perform...

Chairman: R.J. Gil (Warszawa), K. Reczuch (Wrocław)

- **9:30-9:35 Welcome & Opening** Robert J. Gil
- 9:35-9:45 CHIP patient identification and cathlab team preparation. Miroslav Ferenc (Bad Krozingen)
- 9:45-9:55 Heart Team and no-hope patients - hybrid revascularization could be an option. Michał Hawranek (Zabrze)
- 9:50-10:05 How to deal with severe calcifications in CHIP. The full toolkit for calcium. Florim Cuculi (Zurich)
- 10:05-10:20 When LVAD is necessary in CHIP? Proposal of algorithm. T. Pawłowski (Warsaw)
- **10:20-11:00 Recorded case 1PCI in patient with low EF supported by Impella CPSmart Assist**
Operators: A. Dębski (Warsaw), M. Opolski (Warsaw)

11:05-12:30 Session 2: Preventing complications

Chairman: Z. Chmielak (Warsaw), T. Pawłowski (Warsaw)

Panelists: A. Kern (Olsztyn), M. Tajstra (Zabrze), M. Kuzemczuk (Warsaw), P. Kralisz (Białystok)

- 11:05-11:15 Renal insufficiency. Piotr Pieniążek (Kraków)
- 11:15-11:25 Thrombotic events. Maciej Lesiak (Poznań)
- 11:25-11:35 Bleeding & vascular events. Piotr Andziak (Warszawa)
- 11:35-11:45 Device loss. Jarosław Wójcik (Nałęczów)

11:45-12:30 Recorded/Live case 2.

High risk PCI with rotational atherectomy & cutting balloon with ELCA.

Operators: R.J. Gil (Warsaw), T. Pawłowski (Warsaw)

Studio 2

9:30-11:00 Session on closure management of large bore arterial access. State of the art.

Chairmen: M. Dąbrowski (Warsaw), D. Jagielak (Gdansk),
Panelists: S. Dobrzycki (Białystok), A. Pietrasik (Warsaw),
M. Grygier (Poznan), Ł. Tułeczki (Zamosc), P. Olszówka (Rzeszow), J. Trębacz (Krakow)

- 9:30-9:45 Large bore access in cardiac procedures. Radosław Parma (Katowice)
- 9:45-9:50 Discussion
- 9:50-10:05 Suture based closure devices. Jerzy Sacha (Opole)
- 10:05-10:10 Discussion
- 10:10-10:25 Dedicated large bore closure devices. Andrzej Ochała (Katowice)
- 10:25-10:40 Discussion
- 10:40-10:45 Wrap-up

PCR SESSION @ WCCI

11:00-12:20 How Should I treat multivessel disease in pt with ACUTE CORONARY SYNDROMES?

SESSION IN ENGLISH

Chairmen: R.J. Gil (Warsaw), S. Bartuś (Kraków)

Panelists: W. Kochman (Warsaw), P. Waciński (Lublin), J. Zalewski (Krakow), J. Gorący (Szczecin)

- 11:00-11:05 Introduction and objectives. R.J. Gil

Case 1.

- Speaker 1: Case presentation (7 minutes). J. Skowroński (Warsaw)
- Expert: How would I treat? (7 minutes). J. Legutko (Krakow)
- Speaker 1: How did I treat. (7 minutes). J. Skowroński (Warsaw)
- Discussion – 10 minutes
- Consensus (5 minutes). S. Bartuś (Kraków)

Case 2.

- Speaker 2: Case presentation (7 minutes) Jacek Bil (Warsaw)
- Expert: How would I treat? (7 minutes) A. Witkowski (Warsaw)
- Speaker 2: How did I treat. (7 minutes) Jacek Bil (Warsaw)
- Discussion. (10 minutes)
- Consensus (5 minutes). R.J. Gil (Warsaw)

12:45-14:15 Landscape after EXCEL Trial 5-years results. Should we change our approach to selection and way of treatment for Left Main Stem stenosis?

SESSION IN ENGLISH

Chairmen: A. Witkowski (Warsaw), D. Dudek (Krakow), Robert J. Gil (Warsaw)

Panelists: M. Deja (Katowice), P. Olszówka (Rzeszów), Maciej Lesiak (Poznań), J. Wójcik (Nałęczów)

- 12:45-13:00 EXCEL Trial – positive or negative trial for the interventionalists? Robert J. Gil (Warsaw)
- 13:00-13:15 Excel Trial from the perspectives of cardiac surgeon. P. Suwalski (Warsaw)
- **13:15-13:55 Recorded case 3. High risk PCI with distal left main stenosis supported by percutaneous assist device (iVAC).**
Operators: T. Pawłowski/R.J. Gil (Warsaw)
- 13:55-14:10 Roundtable discussion
- 14:10-14:15 Wrap-up A. Witkowski (Warsaw)

12:45-14:20 Functional assessment of coronary stenosis – invasive vs non-invasive or together?

SESSION IN POLISH

Chairmen: J. Legutko (Krakow), M. Kruk (Warsaw)

Panelists: J. Araszkievicz (Poznań), TBD

- 12:45-12:57 Coronary lesion significance – what does it mean? Adam Kern (Olsztyn)
- 12:57-13:09 FFR & iwFR vs non-invasive techniques. What do the trials say... Paweł Kleczyński (Kraków)
- 13:09-13:21 Angio-CT FFR: is it ready for common usage? Cezary Kępa (Warsaw)
- 13:21-13:33 Angiogram based flow reserve (QFR): should we rely on? Krzysztof Milewski (Ustroń)
- 13:33-13:55 Does invasive coronary microcirculatory have any surrogate among non-invasive methods? Łukasz Kołtowski (Warszawa)
- 13:55-14:10 Roundtable discussion on place and role of functional coronary stenosis assessment
- 14:10-14:15 Wrap-up. Jacek Legutko (Kraków)

14:20-14:35 TECHNICAL BREAK

14:35-15:55 Session Joint Session of the Working Group on Cardiac Surgery & Association On Cardiovascular Interventions of the Polish Cardiac Society: How we can improve the results of cardiac interventions?

SESSION IN POLISH/ENGLISH

Chairmen: Robert Gil (Warsaw), Stanisław Bartuś (Krakow), Piotr Suwalski (Warsaw)

Panelists: M. Tajstra (Zabrze), M. Deja (Katowice), P. Olszówka (Rzeszów)

- 14:35-14:45 Introduction. R.J. Gil
- **14:45-15:25 Live case 4. PCI of LCX and RCA after robotic LIMA grafting to LAD**
Operators: A. Rdzanek (Warsaw), T. Pawłowski (Warsaw)
- 15:25-15:35 What does interventionist can do today better than yesterday. D. Dudek (Krakow)
- 15:35-15:45 What options does a modern cardiac surgeon have? Piotr Suwalski (Warsaw)
- 15:45-15:55 Panel discussion and wrap-up.

14:35-16:00 Case based session on circulatory support devices in heart failure patients.

SESSION IN POLISH

Chairmen: A. Witkowski (Warsaw), M. Gąsior (Zabrze)

Panelists: M. Hawranek (Zabrze), M. Lesiak (Poznań), J. Legutko (Krakow), D. Ciećwierz (Gdańsk)

- 14:35-14:49 IMPELLA CP case. A. Dębski (Warsaw)
- 14.49-14.54 Discussion
- 14.54–15:09 VA ECMO case RadosławSmoczyński (Warsaw)
- 15.09-15.14 Discussion
- 15:14-15:28 Atrial Flow Regulator case Krzysztof Reczuch (Wrocław)
- 15:28-15:33 Discussion
- 15:33-15:47 IVAC-2L case. T. Pawłowski (Warsaw)
- 15:47-15:53 Discussion
- 15:45-16:00 Wrap-up

16:00-16:15 TECHNICAL BREAK

16:15-17:45 WORKSHOP 1

Challenging heavy calcifications in daily practice.

Chairman: Robert J. Gil, Jacek Legutko

Panelists: Michał Hawranek, Krzysztof Reczuch, P. Waciński

• 16:15-16:45 Live case 5 – Complex PCI using different techniques for highly calcified lesion – synergistic approach guided by intravascular imaging

Operators – Tomasz Pawłowski (Warsaw), Z. Śliwiński (Warsaw)

16:15- 17:45 WORKSHOP 2

OCT & IVUS images recognition.

Chairman: Jacek Legutko, Tomasz Pawłowski

Panelists: Krzysztof Bryniarski, Paweł Tyczyński

- 16:15-16:35 IVUS – plaques & measurements. Tomasz Roleder (Wrocław)
- 16:35-16:55 OCT – plaques & measurements. Paweł Tyczyński (Warsaw)
- 16:55-17:15 Post stenting image interpretation. Paweł Kleczyński (Cracow)

- 16:45-17:05 Calcium imaging – from angiography to OCT. J. Kochman (Warsaw)
- 17:05-17:25 Atheroablative techniques for calcium modification. S. Dobrzycki (Białystok)
- 17:25-17:45 Lithotripsy and laser angioplasty. T. Pawłowski (Warsaw)

- 17:15-17:35 Rare images – CAV and others. Krzysztof Dyrbuś (Zabrze)
- 17:35-17:45 Discussion & take home message. Jacek Legutko (Cracow)

17:45-18:00 TECHNICAL BREAK

18:00-19:30 The clinical trials in the field of the interventional cardiology sponsored by the Medical Research Agency

Joint Session of the Polish Cardiac Society and the Medical Research Agency

Chairmen: Lars Sondegaard (Copenhagen), Radosław Sierpiński (Warsaw, President of the Medical Research Agency), Adam Witkowski (Warsaw, President of the Polish Cardiac Society)

Panellists: Sang-Wook Kim (Seoul), Gary Mintz (New York)

- 18:00-18:10 Welcome and session outline. Radosław Sierpiński (Warsaw)
- 18:10-18:22 LAAC SBI trial. Witold Streb (Zabrze)
- 18:22-18:34 ADONIS PCI trial. Miłosz Jaguszewski (Gdańsk)
- 18:34-18:46 MetCool ACS trial. Piotr Kwiatkowski (Warsaw)
- 18:46-18:58 STOP-CLOT trial. Jerzy Pręgowski (Warsaw)
- 18:58-19:10 SAFE LAAC trial. Radosław Pracoń (Warsaw)
- 19:10-19:25 Discussion: session chairmen and panellists.
- 19:25-19:30 Wrap-up. Lars Sondergaard (Copenhagen)

7:30-9:00

INVESTIGATOR'S MEETING 1. TBD

INVESTIGATOR'S MEETING 2. TBD

Studio 1

Coronary Interventions and Mechanical Thrombectomy

2nd Warsaw CTO Symposium (WAR-CTO)

Course Co-Directors: Paul Knaapen (Amsterdam), Maksymilian Opolski (Warsaw)

- 07:30-08:00 Welcome and registration

Morning Session 1 (Warming-up)

Chair: Paul Knaapen (Amsterdam)

Panel: Wojciech Wojakowski (Katowice), Mateusz Tajstra (Zabrze)

Fellow: Jacek Kwieciński (Warsaw)

- 8:00-8:05 Opening. Adam Witkowski (Warsaw)
- 8:05-8:15 The brief history of CTO PCI in Poland: where are we going from? Jarosław Wójcik (Nałęczów)
- 8:15-8:25 Selection for CTO PCI: taking punch from the ISCHEMIA trial? Paul Knaapen (Amsterdam)
- 8:25-8:35 How to build a CTO program: recipe for success. Maksymilian Opolski (Warsaw)
- **8:35 Live Case 1** (Medical University of Warsaw)
Alex Nap (Amsterdam) – Arkadiusz Pietrasik (Warsaw)
- **8:50 Live Case 2** (National Institute of Cardiology)
Maksymilian Opolski (Warsaw) – Artur Debski (Warsaw)
- **10:30-11:00 Life Case transmission from Milan (part 1.)** Gabriele Gasparini (Milan) – Damiano Regazzoli (Milan)
Panel: Konrad Nowak (Białystok), Jarosław Skowroński (Warsaw), Grzegorz Sobieszek (Lublin), Wojciech Wojakowski (Katowice)

Morning Session 2 (CTO Weapon)

Chair: Elliot Smith (London)

Panel: Carlo Di Mario (Florence), Maciej Lesiak (Poznan), Tomasz Pawłowski (Warsaw), Daniel Weilenmann (St. Gallen)

Fellow: Rafał Wolny (Warsaw)

- 11:00-11:15 Hybrid approach: no game was ever won by resigning. Elliot Smith (London)
- 11:15-11:25 Guidewires: what's hot in 2021. Daniel Weilenmann (St. Gallen)
- 11:25-11:35 Microcatheters: what's hot in 2021. Maciej Lesiak (Poznan)
- 11:35-11:45 IVUS: luxury or necessity? Rafał Wolny (Warsaw)
- 11:45-12:00 Making war on calcium and optimizing

Studio 2

9:00-15:30 Structural Heart Disease Interventions

9:00-11:30 Session 1. TAVI. Guidelines and Controversies.

Chairmen: Eberhard Grube (Bonn), Ariel Finkelstein (Tel Aviv), Adam Witkowski (Warsaw)

Panelists: Zenon Huczek (Warsaw), Marek Grygier (Poznan), Jarosław Trębacz (Krakow), Dariusz Jagielak (Gdansk), Piotr Olszówka (Rzeszow), Łukasz Tułeczki (Zamosc), Jan Harnek (Lund), Sławomir Dobrzycki (Białystok), Krzysztof Reczuch (Wroclaw), Robert J. Gil (Warsaw)

- 9:00-9:05 Introduction. Eberhard Grube (Bonn)
- **9:05-9:45 Live case 5. TAVI**
Operators: Zbigniew Chmielak (Warsaw), Maciej Dąbrowski (Warsaw), ECHO: TBD
- 9:45-9:57 Recommendation for TAVI: 2017 ESC/EACTS Guidelines vs 2020 ACC/AHA Guidelines. Is the perspective much different? Ariel Finkelstein (Tel Aviv)
- 9:57-10:09 TAVI for bicuspid aortic valve. Lars Søndergaard (Copenhagen)
- 10:09-10:21 Commisural alignment in TAVI: ever or never? Zenon Huczek (Warsaw)
- **10:21- 11:00 Live case 6/Live-in-a-box (Valve-in-Valve)**
Operators: Janusz Kochman (Warsaw), TBD
- 11:00-11:12 Valve-in-valve TAVI for degenerated transcatheter or surgical aortic bioprosthesis. Saibal Kar (Los Angeles) / Jan Harnek (Lund)
- 11:12-11:24 How to expedite patient's in-hospital pathway to TAVI and extend number of cases per day? Michał Zembala (Zabrze)
- 11:24-11:30 Wrap-up. Adam Witkowski (Warsaw)

11:30-12:00 BREAK

12:00-14:00 Session 2. Left Atrial Appendage Occlusion

SESSION IN POLISH

Chairmen: Grzegorz Smolka (Katowice), Tadeusz Przewłocki (Krakow)

Panelists: Marcin Demkow (Warsaw), Zenon Huczek (Warsaw), Dariusz Ciećwierz (Gdansk), Paweł Kralisz (Białystok)

- 12:00-12:05 Introduction. Tadeusz Przewłocki (Krakow)

treatment. Carlo Di Mario (Florence)

- **12:00 Live Case 3** (Medical University of Warsaw)
Paul Knaapen (Amsterdam) – Arkadiusz Pietrasik (Warsaw)
- **13:30-14:00 Life Case transmission from Milan (part 2.)** Gabriele Gasparini (Milan) – Damiano Regazzoli (Milan)
Panel: Leszek Bryniarski (Cracow), Andrew Lucking (Oxford), Grzegorz Mężyński (Białystok), Alex Nap (Amsterdam)

Afternoon Session 1 (Strategy of War)

Chair: Emmanouil S. Brilakis (Minneapolis, USA)

/ Andrew Lucking (Oxford)

Panel: Leszek Bryniarski (Cracow), Alex Nap (Amsterdam), Maksymilian Opolski (Warsaw), Arkadiusz Pietrasik (Warsaw)

Fellow: Jaroslaw Skowronski (Warsaw)

- 14:00-14:10 Septal or epicardial: long time marriage or brief affair? Andrew Lucking (Oxford)
- 14:10-14:20 When true-to-true doesn't work: scratch, go & BASE madam! Alex Nap (Amsterdam)
- 14:20-14:30 ADR using CrossBoss/Stringray: as easy as ABC. Emmanouil S. Brilakis (Minneapolis, USA)
- **14:30 Live Case 4** (National Institute of Cardiology)
Jo Dens (Genk) – Rafał Wolny (Warsaw)
- 15:40-15:50 Parallel wire technique: being a gentleman never gets old. Leszek Bryniarski (Cracow)
- 15:50-16:00 Bail-out strategies (LAST, STAR, AFR): the beast won't go to sleep. Maksymilian Opolski (Warsaw)

Afternoon Session 2 ("Mayday", we have complication)

Chair: Leszek Bryniarski (Cracow)

Panel: Jakub Drozd (Lublin), Paul Knaapen (Amsterdam), Maksymilian Opolski (Warsaw), Elliot Smith (London)

- 16:15-16:25 When things go out of hands: tips & tricks how to keep a cool head. Elliot Smith (London)
- 16:25-16:32 Aortic dissection. Grzegorz Sobieszek (Lublin)
- 16:32-16:39 Donor vessel injury. Adam Rdzanek (Warsaw)
- 16:39-16:46 Perforation. Grzegorz Mężyński (Białystok)
- 16:46-16:53 Tips and tricks how to prevent complications in CTO PCI. Jakub Drozd (Lublin)
- 16:53-17:03 Partner in crime: the rationale for second CTO operator. Paul Knaapen (Amsterdam)
- 17:03-17:05 Closing remarks and adjourn. Robert J. Gil (Warsaw)

17:05-17:30 BREAK

Mechanical Thrombectomy in Acute Stroke

17:30-19:10 Session 1. Mechaniczna trombektomia w udarze mózgu

- 12:05-12:17 Who is an optimal candidate for LAAO? Paweł Kralisz (Białystok)
- 12:17-12:29 Who is an optimal candidate for oral anticoagulation in the LAOO era? Wojciech Wojakowski (Katowice)
- 12:29-12:41 For whom is LARIAT and how to do the procedure? Krzysztof Bartuś (Krakow)

Technical tips and tricks with:

- 12:41-12:51 Amulet. Grzegorz Smolka (Katowice)
- 12:51-13:01 Watchman Flex. Marek Grygier (Poznań)
- 13:01-13:13 LAAC in patients with thrombus in the left atrial appendage. Witold Streb (Zabrze)

• 13:13-13:53 Live case 7.

Operators: Marcin Demkow (Warsaw), Radosław Pracoń (Warsaw)

ECHO: Marek Konka (Warsaw)

- 13:53-14:00 Wrap-up. Grzegorz Smolka (Katowice)

14:00-14:30 BREAK

• 14:30-16:30 Session 3. Transcatheter Mitral Interventions

Chairmen: Tomasz Hryniewiecki (Warsaw),

Goran Olivecrona (Lund), Kazimierz Widenka (Rzeszów), Adam Witkowski (Warsaw)

Panelists: Arkadiusz Pietrasik (Warsaw), Krzysztof Reczuch (Wrocław), Jerzy Sacha (Opole), Piotr Waciński (Lublin), Paweł Kralisz (Białystok), Michał Chmielecki (Gdańsk), Piotr Scisło (Warsaw), Piotr Szymański (Warsaw), Marek A. Deja (Katowice)

- 14:30-14:35 Introduction. Tomasz Hryniewiecki (Warsaw)
- 14:35-14:47 Who is an optimal candidate for transcatheter edge-to-edge repair in functional mitral regurgitation? How should we use COAPT criteria in clinical practice? Lars Søndergaard (Copenhagen)
- 14:47-14:59 Who is a candidate for mitral banding? Roman Pfister (Köln)
- 14:59-15:11 TEE to guide mitral transcatheter interventions. Piotr Scisło (Warsaw)

• 15:11-15:51 Live case 8. Transcatheter edge-to-edge therapy for functional mitral regurgitation

Operators: Jerzy Pręgowski (Warsaw), Adam Rdzanek (Warsaw)

ECHO: Piotr Scisło (Warsaw)

- 15:51-16:03 Patients after mitral surgery: valve-in-valve and valve-in-ring interventions. Marcin Demkow (Warsaw)
- 16:03-16:15 Transcatheter mitral valve replacement: what is new? Anson Cheung (Vancouver)
- **16:15-16:27 Case presentation 1. Transcatheter mitral valve replacement (High Life Mitral)**
Operators: Wojciech Wojakowski, TBD (Katowice)

SESSION IN POLISH

Moderatorzy: Witold Rużyło (Warszawa), Jerzy Walecki (Warszawa), Adam Witkowski (Warszawa), Konrad Rejdak (Lublin)

Panel: Waław Kuczmik (Katowice), Piotr Musiałek (Kraków), Wojciech Wojakowski (Katowice), Michał Zawadzki (Warszawa)

- 17:30-17:35 Wprowadzenie. Adam Witkowski (Warszawa)
- **Debata o programie trombektomii mechanicznej w Polsce**
- 17:35-17:47 Pilotażowy program mechanicznej trombektomii w Polsce – perspektywa neurologa. Konrad Rejdak (Lublin)
- 17:47-17:59 Pilotażowy program mechanicznej trombektomii w Polsce – perspektywa kardiologa. Piotr Musiałek (Kraków)
- 17:59-18:11 Przebieg program pilotażowej trombektomii w Polsce. Łukasz Szumowski (Warszawa)
- 18:11-18:23 Trombektomia mechaniczna w leczeniu udaru mózgu – stanowisko Naczelnej Rady Lekarskiej. Jerzy Friediger (Kraków)
- 18:23-18:35 Program mechanicznej trombektomii zainicjowany w ośrodku kardiologicznym we współpracy z oddziałem neurologicznym. Marek Szotkiewicz (Wejherowo)
- 18:35-18:47 Program mechanicznej trombektomii w ośrodku akademickim: współpraca neuroradiologów, chirurgów naczyniowych, kardiologów i neurologów. Waław Kuczmik (Katowice)
- 18:47-18:59 Dlaczego i jak zmodyfikować system leczenia interwencyjnego udaru mózgu w Polsce: Punkt widzenia z perspektywy zdrowia publicznego. Rafał Niżankowski (Kraków)
- 18:59-19:20 Czy potrzebujemy rozszerzenia programu mechanicznej trombektomii w Polsce? Dyskusja. Prowadzący: Jerzy Walecki (Warszawa)
- 19:20-19:30 Podsumowanie. Witold Rużyło (Warszawa)

- 16:27-16:32 Wrap-up. Goran Olivecrona (Lund)

16:30-17:00 BREAK

• **17:00-18:02 Session 4. TAVI, TMVR and TMVI Complications. A case-based session.**

Chairmen: Zbigniew Chmielak (Warsaw), Jerzy Sacha (Opole), Marek Jasiński (Wrocław)

Panelists: Jarosław Trębacz (Kraków), Piotr Suwalski (Warsaw), Michał Hawranek (Zabrze), Piotr Kübler (Wrocław), Krzysztof Milewski (Ustron)

- 17:00-17:10 Case 1. Wojciech Wojakowski (Katowice)
- 17:10-17:13 Discussion
- 17:13-17:23 Case 2. Marcin Mistowski (Poznan)
- 17:23-17:26 Discussion
- 17:26-17:36 Case 3. Piotr Olszówka (Rzeszow)
- 17:36-17:39 Discussion
- 17:39-17:49 Case 4. Jonathan Michel (Zurich)
- 17:49-17:52 Discussion
- 17:52-18:02 Wrap-up Marek Jasiński (Wrocław)