TCT RUSSIA 2014 XVI MOSCOW'S INTERNATIONAL COURSE ON ENDOVASCULAR THERAPIES

Monday, June 16

STRUCTURAL AND CONGENITAL HEART DISEASE INTERVENTION

Session I: Septal Closure and LAA Intervention (09:00 — 11:05)

ANDREEVSKY HALL

Chairs: Zahid Amin, Mario Carminati

<u>Discussants:</u> Shakeel Qureshi, Eustaquio Onorato, Horst Sievert, Vladimir Podzolkov, Natalia Borisova, Alexey Ivanov, Bagrat Alekyan

09:00	<u>Key Note Lecture</u> : PFO Closure: A Critical Overview of Trial Data and Other Potential Clinical Applications
	Eustaquio Onorato

- Transcatheter ASD Closure: Clinical Data, Technical Approach and ConsiderationsZahid Amin
- 09:22 Inter-Atrial Septum Stenting in Idiopathic Pulmonary Hypertension Bagrat Alekyan
- 09:32 Transcatheter VSD Closure: Technique, Device Selection and Emerging Clinical Data
 Zahid Amin
- 09:42 Transcatheter Closure of Post-Infarction VSD
- 09:52 LAA Closure: Devices, Technique Description and Emerging Clinical Data Horst Sievert
- 10:02 Moderated Discussion

Mario Carminati

10:12 Live Case from Bakoulev Scientific Center for Cardiovascular Surgery of the Academy of Medical

Session II: Congenital Heart Disease Intervention (11:05 — 11:47)

ANDREEVSKY HALL

Chairs: Horst Sievert, Felix Berger

<u>Discussants:</u> John Coulson, Eleftherios Sideris, Mario Carminati, Shakeel Qureshi, Alexander Duzhikov, Yuri Panichkin, Manolis Pursanov, Alexander Osiev

- 11:05 Key Note Lecture: Percutaneous Pulmonary Valve Intervention
 - Mario Carminati
- 11:17 Interventional Approach to Congenital Coronary Fistulas
 - Shakeel Qureshi
- 11:27 Congenital Coarctation of the Aorta: Interventional Techniques and Clinical Data
 - Felix Berger
- 11:37 Moderated Discussion

Session III: Septal Occluding Devices in CHD Intervention (11:47 — 13:30)

ANDREEVSKY HALL

Chairs: Shakeel Qureshi, John Coulson

<u>Discussants:</u> Murat Dadabaev, Sergey Chernishov, Eleftherios Sideris, Felix Berger, Serik Alimbaev, Viktor Varvarenko, Bagrat Alekyan

- 11:47 Occluding Devices in heart Intervention: Emerging Applications and Techniques
 - Bagrat Alekyan
- 11:57 Interventional Use of Septal Occluding Devices in Infants
 - John Coulson
- 12:07 Emerging Transcatheter Septal Occluding Devices for CHD Intervention
 - Eleftherios Sideris
- 12:17 Pulmonary Artery Stenting: Indications, Device Selection and Outcomes

- 12:27 Moderated Discussion
- 12:37 Live Case from Bakoulev Scientific Center for Cardiovascular Surgery of the Academy of Medical Sciences (Congenital Heart Disease Case)

Lunch Symposia: Stent behavior in bifurcations like you have never seen before - A first look comparing intravascular Visible Heart videoscope versus computational modeling and traditional imaging techniques. Supported by Medtronic (13:30 — 14:30) EKATERININSKY HALL

Chairs: Yves Louvard

13:30 Opening & Welcome

Yves Louvard

13:35 The complex bifurcation patient - Part I: T-stenting and small protrusion, and new insights into stent selection

Yves Louvard

- 13:47 Discussion and audience interaction
- 13:52 The complex bifurcation patient Part II: culotte

Chaim Lotan

- 14:04 Discussion and audience interaction
- 14:09 The complex bifurcation patient Part III: mini-crush or double-kissing crush

Azeem Latib

- 14:21 Discussion and audience interaction
- 14:26 Take home-messages

Yves Louvard

Lunch Symposia: Treatment of complex lesions. Supported by Terumo (13:30 — 14:30)

ANDREEVSKY HALL

Chairs: Bernard Chevalier, Alexander Osiev, Shigero Saito

13:30 Introduction

Bernard Chevalier

13:35 Bifurcation lesions – technique and body of clinical evidence

Bernard Chevalier

13:50 CTO treatment with latest generation DES

Alexander Osiev

14:05 Treatment of diabetic patients with DES: short and long outcomes

Alexey Biryukov

14:20 Take home message

Shigero Saito

Lunch Symposia: Practical contrast media considerations for at-risk patients in the complex interventional procedures. Supported by GE Healthcare Nycomed (13:30 — 14:30)

ALEKSANDROVSKY HALL

Chairs: Sergey Abugov, Peter McCullough

13:30 Contrast Induced Complications in the Cath Lab

Peter McCullough

13:50 Contrast media considerations for high risk patients with ASC. Case study

Vladimir Ganyukov

14:00 Transcatheter aortic valve implantation (TAVI) without ECHO control. Case study

Alexey Protopopov

14:10 Contrast media considerations for high risk patients with retrograde recanalization of coronary arteries.

Case study

Alexander Osiev

- Contrast media considerations for patients with Hybrid repair of aorta type B dissection. Case study 14:20 Sergey Abugov
- Take home message 14:30

EMERGING INTERVENTIONAL TECHNIQUES

Session IV: Transcatheter Mitral Valve Intervention (14:45 **— 16:10**)

ANDREEVSKY HALL

Chairs: William Gray, Leo Bockeria

Discussants: Horst Sievert, Juan F. Granada, Eduard Idov, Sergey Kovalev, Mirjamal Zufarov, Boris Shakhov, Alexander Viller

Key Note Lecture: Transcatheter Mitral Valve Repair: Direct Annuloplasty Devices and Other Emerging 14:45 Therapeutic Approaches

Horst Sievert

- 15:00 The Mitral-Clip Approach: Technical Considerations, Emerging Clinical Data and Future Perspectives William Gray
- Transcatheter Mitral Valve Replacement Systems 15:15

Juan F. Granada

- Moderated Discussion 15:30
- 15:40 Taped Live Discussion TCT2013

Session V: Special Session in Memorial of Professor Yuri Petrosyan (16:10 — 16:50)

ANDREEVSKY HALL

Chairs: Leo Bockeria

Remembering Yuri Petrosyan: From the Pioneering Days until Today 16:10 Bagrat Alekyan

Yuri Panichkin, Iosif Rabkin, Vladimir Prokubovskiy, Anatoliy Porkovskiy

OPENING CEREMONY (16:50 — 17:35) ANDREEVSKY HALL

16:50 Welcoming Words

Leo Bockeria

17:00 The CRF Salutes TCT-Russia 2014

Gregg Stone

17:10 Structure of the TCT-Russia 2014 Course

Gary Mintz, Juan F. Granada

17:20 State of the Interventional Cardiology in the Russian Federation - 2013

Bagrat Alekyan

17:35 Adjourn

Satellite Symposium: "Electronic theatre GE"— up-to-date possibilities in cardio-vascular practice. Supported by GE Healthcare Nycomed (17:35-18:35)

KRYMSKIY HALL

Discussants: Musheg Muradyan

17:35 Practical workshop dedicated to advanced clinical applications GE Healthcare. Workshop will allow to work more effectively with vascular images at workstation:

Quantative stenosis analysis, left ventricle (LV) contracting analysis

LV ejection fraction calculation

3D reconstruction and individual support of clinical questions

Satellite Symposium: Endovascular Technologies for Structural Heart Disease. Supported by Boston Scientific / Cardiomedics (17:35 — 19:05)

EKATERININSKY HALL

Chairs: Bagrat Alekyan, Keith Dawkins, Alexey Protopopov

17:35 Invitation to the topic

Keith Dawkins

17:40 Selection of the patients for LAA Occlusion and follow-up: international recommendations and Clinic's experience

Alexey Protopopov

18:00 Economic analysis of LAA Occlusion procedure

Alla Rudakova

18:15 Complex patient in LAA Occlusion

Sven Mobeius-Winkler

18:30 Trials update and clinical experience with new TAVR device – LOTUS Valve

Keith Dawkins

18:50 PVL – how to manage or how to escape (REPRISE data overview)

Jan Kovac

Tuesday, June 17

Satellite Symposium: Devices beyond stenting - Balloons and Guidewires: choosing the right device. Supported by Boston Scientific / Cardiomedics (07:30 — 08:45) MOSKVORETSKY HALL

Discussants: Sergey Semitko

07:30 Guidewires – construction, function, selection

07:50 Balloons – available devices, Pre and Post dilatation, other applications

08:10 How to choose the right device - discussion of clinical cases

08:30 Discussion with audience and take home message

COMPLEX PERCUTANEOUS CORONARY INTERVENTION

Session VI: Patient-Device Selection and Clinical Outcomes in Elective PCI (09:00 — 10:40) ANDREEVSKY HALL

Chairs: Gary Mintz, Sergey Abugov

<u>Discussants:</u> Gregg Stone, Juan F. Granada, Robert Byrne, Anatoliy Savchenko, Valentin Sukhov, Vladimir Mazaev, Vasiliy Chestukhin, Boris Shabalkin, Mikhail Alshibaya, Yuri Sokolov

- Mey Note Lecture: Invasive Lesion-Level Assessment of Ischemia for Procedural Guidance and Improvement of Clinical Outcomes
 Gary Mintz
- 09:12 Technological Evolution of Drug Delivery: Biological Implications for Clinical Safety and Efficacy Juan F. Granada
- 09:22 Metallic DES Selection: Are Technological Developments Improving Clinical Outcomes?
 Robert Byrne
- 09:32 Bioresorbable Vascular Scaffolds: Challenges and Opportunities in Today's Clinical PracticeGregg Stone
- 09:42 Moderated Discussion
- 09:52 Live Case from Bakoulev Scientific Center for Cardiovascular Surgery of the Academy of Medical Sciences (Complex PCI)

Session VII: Specific Lesion Subsets: Evidence, Technique and Device Selection (10:40-13:00)

ANDREEVSKY HALL

Chairs: Bagrat Alekyan, Gregg Stone

<u>Discussants:</u> S.J. Park, Bernard Gersh, Gerhard Schuler, Remo Albiero, Pawel Buszman, Shigero Saito, Bernard Chevalier, Robert Byrne, Anatoliy Samko, Alexander Osiev

Multi-Vessel PCI Intervention

10:40 <u>Expert Operator Perspective</u>: Technical-Device Approach and Complication Management (Review of Cases)

Gerhard Schuler

10:50 <u>Clinical Data Review</u>: PCI vs CABG in Multivessel Disease (with and without diabetes): Do we have the data?

Bernard Gersh

Left Main and Bifurcation Coronary Intervention

11:00 <u>Expert Operator Perspective</u>: Technical-Device Approach and Complication Management (Review of Cases)

S.J. Park

11:10 <u>Clinical Data Review</u>: Bifurcation Intervention: Clinical Indications and Technique-Device Selection Remo Albiero

In-Stent Restenosis

11:20 <u>Expert Operator Perspective</u>: Technical-Device Approach and Complication Management (Review of Cases)

Pawel Buszman

11:30 <u>Clinical Data Review</u>: Evaluation, Device Selection and Clinical Outcomes

Robert Byrne

Chronic Total Occlusions

11:40 <u>Expert Operator Perspective</u>: Technical-Device Approach and Complication Management (Review of Cases)

Shigero Saito

11:50 <u>Clinical Data Review</u>: Evaluation, Device Selection and Clinical Outcomes

Bernard Chevalier

- 12:00 Moderated Discussion
- 12:10 Live Case from Bakoulev Scientific Center for Cardiovascular Surgery of the Academy of Medical Sciences (complex PCI)

Lunch Symposia: Absorb Bioresorbable Vascular Scaffold (BVS) in Everyday Clinical Practice. Supported by ABBOTT (13:00 — 14:00)

ANDREEVSKY HALL

Chairs: Bagrat Alekyan, Robert Gil, Bernard Chevalier

13:00 Introduction

Bagrat Alekyan

13:05 Absorb in Challenging Cases: Tips and Trips

Bernard Chevalier

13:30 Optimal Absorb Implantation Techniques and Considerations

Robert Gil

13:55 Q & A Conclusion

Bagrat Alekyan

Lunch Symposia: Interventional Cardiology technologies for complex patients with ischemic heart disease. Supported by Boston Scientific / Cardiomedics (13:00 — 14:00) EKATERININSKY HALL

Chairs: Keith Dawkins, Sergey Abugov, Alexey Protopopov, Alexander Osiev, Evgeny Merkulov

13:00 Changing strategy in Complex PCI

Keith Dawkins

13:15 Clinical update on 3rd generation DES safety and efficiency

Clemens von Birgelen

13:30 Intraluminal Coronary Reentry technology for coronary CTO antegrade recanalization

Jonathan Hill

13:40 Intravascular Imaging as guidance for Complex PCI strategy

Victor Demin

13:50 Rotational atherectomy for heavily calcified lesions preparation

Miroslaw Ferenc

Lunch Symposia: Diabetic Foot Treatment: Multidisciplinary Approach. Supported by Cordis (13:00 — 14:00)

ALEKSANDROVSKY HALL

Chairs: Zaurbek Shugushev, Avtandil Babunashvili, Vladimir Ivanov, Oleg Udovichenko

- 13:00 Endovascular methods of treatment lower-extremity arterial disease Zaurbek Shugushev
- 13:15 Hybrid surgical approach in critical limb ischemia treatment

Stanislav Zharikov

- 13:30 Hybrid and recurring treatment of Lower-Extremity Atherosclerotic Arterial Disease Sergey Drozdov
- 13:45 Multidisciplinary Approach in diabetic foot treatment
 Oleg Udovichenko

Lunch Symposia: Power of transradial approach. Supported by Terumo (13:00 — 14:00) MOSKVORETSKY HALL

Chairs: Avtandil Babunashvili, Yves Louvard, Sergey Semitko

- 13:00 Introduction
 - Avtandil Babunashvili
- 13:00 Renal denervation through TRA: Future is Now!
 - Yves Louvard
- 13:15 Complex PCI through TRA: dream or reality?
 - Ksenia Kochkina
- 13:30 AMI by transradial approach the safety of the patient first
 - Sergey Semitko
- 13:45 Is Left Main stenting via radial approach could be done really safe and successfuly?

14:00 Take home message

Yves Louvard

Session VIII: Evolving Clinical Topics in Elective PCI (14:15 — 14:57)

ANDREEVSKY HALL

Chairs: Yves Louvard, Alexey Protopopov

<u>Discussants:</u> Robert Gil, S.J. Park, Yves Louvard, Anatoliy Samko, Igor Esipovich, Dmitry Zverev, Kirill Kozlov, Anton Staferov, Victor Demin, Alexander Krylov

14:15 Key Note Lecture: Impact of FFR in Real Practice

S.J. Park

14:27 Radial Access: Technical Approach, Patient Selection and Clinical Outcomes

Yves Louvard

14:37 Hemodynamic Support in Complex PCI

Robert Gil

14:47 Moderated Discussion

Session IX: Emerging Coronary Technology Update (14:57 — 16:30)

ANDREEVSKY HALL

Chairs: Juan F. Granada, Robert Byrne

<u>Discussants:</u> Gary Mintz, Greg Kaluza, Avtandil Babunashvili, Sergey Semitko, Philip Paleev, Yuri Matchin, Igor Kachanov, Alexey Fedorchenko, Igor Zyrianov, Timur Kislukhin

14:57 Endovascular Imaging and Physiologic Assessment of Ischemia

Gary Mintz

15:07 Bioresorbable and Polymer Free Metallic DES Platforms

Greg Kaluza

15:17 Bioabsorbable Vascular Scaffolds

	Greg Kaluza
15:27	Drug Coated Balloons
	Robert Byrne
15:37	Moderated Discussion
15:47	Live Case from Bakoulev Scientific Center for Cardiovascular Surgery of the Academy of Medical

Session X: Primary PCI Intervention: Joint Session TCT Russia and Eastern European Societies (16:30 — 18:22) ANDREEVSKY HALL

Chairs: Gregg Stone, Bagrat Alekyan

Sciences (Complex PCI)

<u>Discussants:</u> Bernard Gersh, Gerhard Schuler, Robert Gil, Wojciech Wojakowski, Petr Kala, Vladimir Ganyukov, Alexey Protopopov, Elena Golukhova, Alexander Shpektor, Elena Vasilyeva

- 16:30 <u>Key Note Lecture</u>: Medical vs. Invasive treatment for Stable Angina in 2014: Guidelines and Real Life Bernard Gersh
- 16:42 Interventional Therapy of Acute Coronary Syndromes: Guidelines and Real World in 2014 Wojciech Wojakowski

Device Selection and Clinical Outcomes

16:52 Stent Selection

Gregg Stone

17:02 Thrombus Aspiration and Thrombus-Containing Devices

Robert Gil

17:12 Ventricular-Hemodynamic Support Devices

Gerhard Schuler

Specific Clinical Subsets and Other Therapeutic Options

17:22 Interventional Management of Cardiogenic Shock

Robert Gil

17:32	Interventional Pharmacology in Primary PCI Intervention
	Petr Kala
17:42	Multi-Vessel Stenting and Staged Revascularization Vladimir Ganyukov
17:52	Transradial approach in Primary PCI: Impact on Complications and Patient's Outcomes Alexey Protopopov
18:02	Integrated Network-Based STEMI Care and Clinical Outcomes Petr Kala
18:12	Moderated Discussion
18:22	Adjourn

Wednesday, June 18

PERIPHERAL AND ENDOVASCULAR INTERVENTIONS

Session XI: Lower Limb Intervention (09:00 — 10:50) ANDREEVSKY HALL

Chairs: William Gray, Bob Smouse

<u>Discussants:</u> Vladimir Prokubovskiy, Vladimir Shipovskiy, Alexander Nikanorov, Georgiy Belozerov, Armen Ter-Akopyan, Sergey Kapranov, Alexander Gavrilenko

- Mey Note Lecture: Percutaneous SFA Revascularization: Clinical Indications, Patient Selection and Diagnostic Assessment
 William Gray
- 09:15 Drug Eluting Stents and Balloons in SFA Intervention: Available Technologies and Clinical Results Bob Smouse
- 09:27 Bioresorbable Technologies in SFA Intervention: Challenges and Opportunities
 Alexander Nikanorov
- 09:39 Key Note Lecture: BTK Intervention: Clinical Indications, Patient Selection and Diagnostic Assessment of

Lesion Severity

William Gray

- 09:52 Moderated Discussion
- 10:05 Live Case from Bakoulev Scientific Center for Cardiovascular Surgery of the Academy of Medical Sciences (Lower Limb Intervention)

Session XII: Other Vascular Territories and Techniques (10:50-11:55)

ANDREEVSKY HALL

Chairs: Michel Henry, Bernard Reimers

<u>Discussants:</u> Klaus Mathias, Anatoliy Porkovskiy, Zinaida Suslina, Iosif Rabkin, Nikolay Chigogidze, Mikhail Malevanniy, Georgiy Belozerov, Armen Ter-Akopyan

- 10:50 <u>Key Note Lecture</u>: Carotid Stenting: Patient-Device Selection and Clinical Outcomes Bernard Reimers
- 11:02 Neuroprotection and Carotid Intervention: Current Recommendations

Michel Henry

11:12 Intra-Cranial Thrombectomy: Indications, Technique and Outcomes

Klaus Mathias

11:22 Renal Artery Stenting: Diagnostic Assessment and Clinical Outcomes

Bob Smouse

11:32 Renal Artery Denervation: Current Perspectives in a Still a Dynamic Field

Juan F. Granada

11:42 Moderated Discussion

Session XIII: Percutaneous Treatment of Aortic Disease (11:55 — 13:30)

ANDREEVSKY HALL

Chairs: William Gray, Sergey Abugov

<u>Discussants:</u> Zaza Kavteladze, Perch Kazanchyan, Yuri Belov, Igor Zatevakhin, Genadiy Khubulava, Narek Zakaryan, Sergey Terekhin, Valeriy Arakelyan, Vladimir Ivanov, Pavel Bolotov

11:55	Key Note Lecture: EVAR Device Update: Emerging Technological Concepts William Gray
12:07	EVAR Update: Patient Selection, Anatomical Considerations and Outcomes Zaza Kavteladze
12:17	Technical approach for AAA repair: Tips and tricks for successful outcome Roberto Pacchioni
12:27	TEVAR Update: Patient Selection, Anatomical Considerations and Outcomes Sergey Abugov
12:37	Moderated Discussion
12:50	Live Case from Bakoulev Scientific Center for Cardiovascular Surgery of the Academy of Medical Sciences (CAS)

Lunch Symposia: Innovation Symposium in Collaboration with CRF and ICI (13:30 — 14:30) ALEKSANDROVSKY HALL

Chairs: Juan F. Granada, Yuval Binur

<u>Discussants:</u> Alexander Nikanorov, Bob Smouse, Ruslan Altaev

13:30 Introduction: Current Trends in Medical Innovations Alexander Nikanorov

- 13:35 CRF-Skirball: An Integrated Platform for Global Medical Innovations
 Juan F. Granada
- 13:47 The Importance of Teaching the Process of Medical Innovation
 Yuval Binur
- 13:59 Technology Incubators and Accelerators: Importance of an Organized Innovation Process Bob Smouse
- 14:11 Medical device ecosystem development at Skolkovo Ruslan Altaev
- 14:23 Moderated Discussion

Lunch Symposia: The concept of femoro-popliteal interventions in the DEB era. Supported by Medtronic (13:30 — 14:30)

EKATERININSKY HALL

Chairs:	Zaza	Kavteladz	Æ

13:30 Opening & Welcome

Zaza Kavteladze

- 13:35 In.PACT global evidence for SFA segment. Comparative analysis of POBA, Stenting and DEB Antonio Micari
- 13:55 The role and place of stents in the DEB era

Zaza Kavteladze

14:10 From evidence to clinical practice. How DEBs fit my daily work

Antonio Micari

14:25 Conclusion. Q&A

Zaza Kavteladze

AORTIC VALVE DISEASE INTERVENTION

Session XIV: General Concepts, Patient Selection and Procedural Planning (14:45 — 17:00) ANDREEVSKY HALL

Chairs: Alain Cribier, Leo Bockeria

<u>Discussants:</u> Jan Kovac, Helene Eltchaninoff, Gerhard Schuler, Jean-Claude Laborde, Keith Dawkins, Renat Akchurin, Leonid Barbarash, Evgeniy Shlyakto, Alexander Karaskov, Bagrat Alekyan

- 14:45 <u>Key Note Lecture</u>: TAVR-2014: Lessons Learned and Future Perspectives Alain Cribier
- 14:57 Patient and Vascular Access Screening: Demographic, Anatomical and Vascular Considerations

The Use of Adjunctive Imaging: Screening, Procedural and Follow Up Assessment
Helene Eltchaninoff
The Heart Valve Team: Technical-Operational Components and Requirements
Gerhard Schuler

15:37 Live Case from Bakoulev Scientific Center for Cardiovascular Surgery of the Academy of Medical Sciences (TAVR)

Clinical Program & TAVR Technology Update

16:10 Sapiens (Edwards)

Alain Cribier

Moderated Discussion

15:27

Jan Kovac

16:20 Corevalve (Medtronic)Jean-Claude Laborde

16:30 Lotus (BSCI)

Keith Dawkins

16:40 Other Clinical Programs

Jan Kovac

16:50 Moderated Discussion

Session XV: Specific Patient Subsets: Clinical Data, Technique and Device Selection (17:00 — 18:15) ANDREEVSKY HALL

Chairs: Eberhard Grube, Helene Eltchaninoff, Jan Kovac

<u>Discussants:</u> Jan Kovac, Mikhail Semenovskiy, Amiran Revishvili, Vladimir Porkhanov, Dmitriy Shumakov, Sergey Zdemeshkevich, Sergey Sukhanov, Ivan Skopin, Yuri Schneider, Alexey Protopopov, Oleg Lukin

17:00 Live Case from Melbourne, Australia (TAVR)

17:30 Aortic Valve Preparation (and Dilatation) Techniques in TAVR Procedures

Helene Eltchaninoff

17:42 Frequency and Predisposing Factors for TAVR Complications: Implications for the Development of New Generation Devices

Jan Kovac

17:54 Trans-Apical and Other Vascular Access: Selection, Technique and Clinical Outcomes

Helene Eltchaninoff

18:06 Moderated Discussion

CLOSING CEREMONY (18:15 — 18:40) ANDREEVSKY HALL

18:15 Closing Remarks

Leo Bockeria

18:25 Closing Remarks (CRF)

Juan F. Granada

18:30 TCT2015

Bagrat Alekyan

18:40 Adjourn