

## Agenda

All sessions take place in the Adam Room on the lobby level, unless otherwise noted.

Saturday, June 4, 2022		All Times Eastern (ET)
6:30 a.m. – 7:25 a.m.	Registration & Networking Breakfast	Adams Corridor/Drawing Room
7:25 a.m. – 7:30 a.m.	Welcome Remarks & Introductory Comments Marc Ruel, MD, MPH, Ottawa, ON, Canada, David Glineur, N Joseph F. Sabik III, MD, Cleveland, OH, USA, Sigrid Sandner,	
7:30 a.m 8:45 a.m.	Session 1: Current State of Coronary Artery Revascularization Moderators: Marc Ruel, MD, MPH, Mario F.L. Gaudino, MD, PhD, New York, NY, USA Panelists: Joseph Bavaria, MD, Philadelphia, PA, USA, Roxana Mehran, MD, New York City, NY, USA, Patrick Myers, MD, Lausanne, Switzerland	
	What Are the European and US Guidelines Tellin MVD: The Surgeon Perspective Presenter: Joseph F. Sabik III, MD	g Us on Revascularization for
	What Are the European and US Guidelines Tellin MVD: The Cardiologist Perspective Presenter: Roxana Mehran, MD	g Us on Revascularization for
	Optimal Medical Therapy versus CABG: Resolver Presenter: Mario F.L. Gaudino, MD, PhD	d or TBD?
	The ISCHEMIA Trial and Its Implications on Reva Presenter: Michael Farkouh, MD	scularization
	LM Best Treatment, Still a Debate? Presenter: Marc Ruel, MD, MPH	
	Panel Discussion	
8:45 a.m. – 9:30 a.m.	Session 2: Imaging and Non-Invasive Diagnostic Tes Moderators: John D. Puskas, MD, New York, NY, USA, Rob E Panelists: Aun-Yeong Chong, MD, Ottawa, ON, Canada, Step	Beanlands, MD, Ottawa, ON, Canada
	Angio CT and CT FFR for CABG - How Useful Is I Presenter: Torsten Doenst, MD, PhD, Jena, Germany	t?
	IVUS and OCT for CABG – How Useful Is It? Presenter: Aun-Yeong Chong, MD	
	Ischemia and Viability Testing for CABG – How U Presenter: Rob Beanlands, MD	Jseful Is It?
	Imaging for Diagnosis of Coronary Artery Diseas Presenter: Viviany Taqueti, MD, MPH, Boston, MA, USA	e in Women
	Panel Discussion	
9:30 a.m 10:30 a.m.	Session 3: Conduit Selection Moderators: David P. Taggart, MD, Oxford, UK, Sigrid Sandr Panelists: Mario F.L. Gaudino, MD, PhD, James Tatoulis, MD, Faisal Bakaeen, MD, Cleveland, OH, USA	
	Why Should We Use the RITA as the Second Arte Presenter: David P. Taggart, MD	erial Graft?



	The Radial Artery – For Every Patient and Every Surgeon? Presenter: Mario F.L. Gaudino, MD, PhD	
	Who Still Uses RGEA in 2022? Presenter: Hirokuni Arai, MD, PhD, Tokyo, Japan	
	Can We Transform a Vein into an Artery with the No-Touch Harvest Technique? Presenter: Ki-Bong Kim, MD, Goyang-si, South Korea	
	Will the Results of the ROMA Trial Be Different than the ART Trial? Presenter: Stephen E. Fremes, MD	
10:30 a.m 11:00 a.m.	Break/Exhibits Drawing Room Foyer, lobby level	
11:00 a.m 12:15 p.m.	Session 4: Conduit Harvest Moderators: David Glineur, MD, PhD, Michael Vallely, PhD, FRACS, New York, NY, USA Panelists: Pierre Voisine, MD, Quebec, Canada, Fraser Rubens, MD, Ottawa, ON, Canada, Gloria Färber, MD, Jena, Germany	
	ITA Harvest – Pedicled versus Skeletonized: Benefits and Risks Presenter: Andre Lamy, MD, MHSc, Hamilton, ON, Canada	
	ITA Skeletonization Harvest – Technique, Tips, and Tricks Presenter: Thomas Schwann, MD, MBA, Springfield, MA, USA	
	Panel Discussion	
	The Radial Artery Open Harvest: How I Use It Presenter: James Tatoulis, MD	
	Endoscopic Harvesting of the Radial – Tips and Tricks Presenter: Harry Lapierre, MD, FRCSC, Ottawa, ON, Canada	
	Panel Discussion	
	Technical Approach to SVG Harvesting – Endoscopic: How I Use the SVG Presenter: Elaine Tseng, MD, San Francisco, CA, USA	
	Technical Approach to SVG Harvesting – No-Touch Technique: How I Use the SVG Presenter: Ki-Bong Kim, MD	
	Debate: Open versus Endoscopic SVG Harvesting – Pro Open Harvest	
	Debate: Open versus Endoscopic SVG Harvesting – Pro Endoscopic Harvest Presenter: Dawn S. Hui, MD, San Antonio, TX, USA	
	Panel Discussion	
12:25 p.m. – 12:55 p.m.	Session 5: Technical Panel Case Discussion Moderators: Thomas Schwann, MD, MBA, Elaine Tseng, MD Panelists: Piroze Davierwala, MD, North York, ON, Canada, James Tatoulis, MD	
	The ITA Has a Hematoma after Harvest: What Do I Do? Presenter: Faisal Bakaeen, MD	
	The Radial Is Calcified: What Do I Do? Presenter: Fraser Rubens, MD	
	The SVG Has Varicosities: What Do I Do? Presenter: Alicja Zientara, MD	



## STS Coronary Conference

	That Graft Is Too Short: What Do I Do? Presenter: Gry Dahle, MD, PhD, Oslo, Norway	
	Panel Discussion	
12:55 p.m 1:40 p.m.	Lunch & Industry Symposium (non-CME)	Drawing Room, lobby level
1:40 p.m. – 2:00 p.m.	Keynote Lecture Presenter: John H. Calhoon, MD, STS President, San Antoni Introduction: Joseph F. Sabik III, MD	io, TX, USA
2:00 p.m 2:10 p.m.	Lecture: The Role of the Thoracic Surgery Found Research and Education Presenter: Joseph Bavaria, MD Introduction: Marc Ruel, MD, MPH	dation in Coronary Surgery
2:10 p.m 3:40 p.m.	Session 6: Graft Configuration – Master the Tech Moderators: Pierre-Yves Etienne, MD, Namur, Belgium, Fai Panelists: Joseph F. Sabik III, MD, Piroze M. Davierwala, M	isal Bakaeen, MD
	Composite Graft Configurations: How I Do It Presenter: David Glineur, MD, PhD	
	Decision-Making in Composite Graft Configurat for Y and T Grafts Presenter: Pierre Voisine, MD	tions: Technical Considerations
	In-Situ Internal Thoracic Arteries: RITA to LAD Presenter: Fraser Rubens, MD	
	In-Situ Internal Thoracic Arteries: RITA to OM Presenter: Joseph F. Sabik III, MD	
	Sequential Grafting on the Lateral Wall Presenter: Gloria Färber, MD	
	Elongation of the In-Situ RITA, the I Technique Presenter: Michael Vallely, PhD, FRACS	
3:40 p.m 4:10 p.m.	Break/Exhibits	Drawing Room Foyer, lobby level
3:40 p.m. – 4:50 p.m.	Abstract Session 1B N Moderators: Dawn Hui, MD, Milan Milojevic, MD, PhD, MS	MacDonald Room, mezzanine level CE, Rotterdam, Netherlands
	Feasibility of Pulmonary Vein Isolation and Left At of Off-Pump Coronary Artery Revascularization fo Aaron Tipton, MD, Matthew Janko, MD, Pablo Ruda Vega,	r the Treatment of Atrial Fibrillation
	Patients with New-Onset Atrial Fibrillation after Concomitant Left Atrial Appendage Ligation Re Jessa Deckwa, BS, Usman Aslam, DO, MPH, MS, Amina Kh Zain Khalpey, MD, PhD	quire No Formal Anticoagulation
	Placental Membrane Placement Reduces Posto Following Cardiothoracic Surgery Jessa Deckwa, BS, Usman Aslam, DO, MPH, MS, Amina Kh Zain Khalpey, MD, PhD	
	Sex Differences in Multiple Arterial Coronary A Justin Ren, PhD, Alistair Royse, MD, Colin Royse	rtery Bypass Grafting



	The Influence of Coronary Surgical Experience on Strategies Based on Hemodynamic Predictors o Krish Chaudhuri, Steve Waqanivavalagi, Paget Milsom, MI	f Optimal Myocardial Perfusion
	Machine Learning Models with Intraoperative F Following CABG Willa Potosnak, Keith A. Dufendach, David Kaczorowski, K	
4:10 p.m 4:50 p.m.	Abstract Session 1A Moderators: Gloria Färber, MD, Gianluca Torregrossa, MD,	Philadelphia, PA, USA
	Deep Sternal Wound Infection and Mortality in C Roberto Perezgrovas-Olaria, MD, Katia Audisio, MD, Giann Mohamed Rahouma, MD, Mudathir Ibrahim, MD, Giovann Michelle Demetres, MLIS, Leonard N. Girardi, MD, Mario F.	narco Cancelli, MD, i Jr. Soletti, MD, David Chadow, MD,
	Application of Microwave Surgical Instrument fo Harvesting: A Preliminary Report to Take One Ster Kota Itagaki, MD, Kay Maeda, Masayuki Otani, Ryuichi Ta Tomoyuki Suzuki, Shintaro Katahira, Goro Takahashi, Kich	p Further with Promising Technique ketomi, Koki Ito, Yusuke Suzuki,
	Non-Reversed Saphenous Vein Is Safe and Facile Robert Boova, MD, Christopher McAndrew, DNP, CRNP, David G. William Moser, MSN, CRNP, Yoshia Toyoda, MD, PhD, Ke	DeFazio MD, Mohammed Kashem, MD, PhD,
	Concomitant Coronary and Carotid Artery Diseas Meta-Analysis of Available Surgical Treatments Fabio Ramponi, MD, PhD, Michael Seco, Dong Fang Zhao, Da Paul Bannon, MBBS, FRACS, PhD, Leonard Kritharides, John	vid Arpon, Suhanya Seimon,
4:50 p.m. – 5:35 p.m.	Session 7: CABG and FFR Moderator: Mario F.L. Gaudino, MD, PhD, Roxana Mehran, Panelists: Sigrid Sandner, MD, Pierre-Yves Etienne, MD, Ste	
	FFR and CABG Presenter: David Glineur, MD, PhD	
	Intermediate Lesions: What to Do with Non-Sev and Why Presenter: Torsten Doenst, MD, PhD	rere Stenoses of the RCA and RCX
	FAME 3: A Cardiologist's Approach and Interpre Presenter: Aun-Yeong Chong, MD	etation of FFR
5:35 p.m. – 6:25 p.m.	Session 8: On-Pump CABG, Endarterectomy, Lo Moderators: Dawn S. Hui, MD, Teresa M. Kieser, MD, PhD, Panelists: Joseph Bavaria, MD, Andreas Böning, MD, Giesse	Calgary, AB, Canada
	CAD and Ischemic MR - Leave, Repair, or Replace Presenter: A. Marc Gillinov, MD, Cleveland, OH, USA	ce?
	Strategies for CABG in <30% EF: On-Pump, Off- Presenter: Faisal Bakaeen, MD	Pump, Impella?
	Full Metal Jacket: What Do I Do? Presenter: John D. Puskas, MD	
	Intra-Operative TTFM and Echo Conduit Evalua Presenter: Hirokuni Arai, MD, PhD	tion
6:30 p.m 7:30 p.m.	STS Coronary Conference Reception	Drawing Room Foyer, lobby level

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## Agenda

All sessions take place in the Adam Room on the lobby level, unless otherwise noted.

#### Sunday, June 5, 2022 All Times Eastern (ET) 6:45 a.m. - 7:25 a.m. Registration & Networking Breakfast Drawing Room Fover, lobby level 7:25 a.m. - 7:30 a.m. Welcome Back 7:30 a.m. - 8:30 a.m. Session 9: Off-Pump CABG: How I Do It, Tips and Tricks Moderators: David P. Taggart, MD Panelists: Hirokuni Arai, MD, PhD, Michael Vallely, PhD, FRACS, Alicja Zientara, MD Who Are the Patients That Benefit the Most from OPCAB? Presenter: David P. Taggart, MD Positioning and Technical Tricks in Off-Pump: Heart Positioning, Target Exposure Presenter: John D. Puskas, MD **Options for Proximal Anastomosis in Off-Pump** Presenter: Hiroyuki Nakajima, MD, Saitama, Japan No Aortic Anastomoses: Options, Approaches, and Outcomes 8:30 a.m. - 9:45 a.m. Session 10: Minimally Invasive CABG: How I Do It Moderators: Marc Ruel, MD, MPH, David Glineur, MD, PhD Panelists: Bob Kiaii, MD, Sacramento, CA, USA, Gry Dahle, MD, Bobby Yanagawa, MD, PhD, Toronto, ON, Canada The Robotic Approach to Minimally Invasive LAD Revascularization: Tips and Tricks Presenter: Gianluca Torregrossa, MD The Thoracoscopic Approach to Minimally Invasive LAD Revascularization: **Tips and Tricks** Presenter: Pierre-Yves Etienne, MD The Direct Vision Approach of Minimally Invasive LAD Revascularization: **Tips and Tricks** Presenter: Keita Kikuchi, MD, PhD Panel Discussion Multi-Vessel Small Thoracotomy: My Technique, Tips, and Tricks—The Direct Approach with LITA and Radial Presenter: Marc Ruel, MD, MPH Multi-Vessel Small Thoracotomy: My Technique, Tips, and Tricks-The Direct Approach with BITA Composite Presenter: Piroze M. Davierwala, MD Multi-Vessel Robotic: My Technique, Tips, and Tricks–The Full Endoscopic Approach: TECABG Presenter: Husam H. Balkhy, MD, Chicago, IL, USA Panel Discussion



9:45 a.m. – 10:15 a.m.	Session 11: Hybrid Revascularization Moderators: John D. Puskas, MD, Husam H. Balkhy, MD Panelists: Bob Kiaii, MD, Gianluca Torregrossa, MD, Aun-Y	eong Chong, MD
	The Heart Team Approach to Patient Selection for Hybrid Revascularization Presenter: Gry Dahle, MD	
	Staging of the Hybrid Procedure: Who Goes Fir Presenter: Bobby Yanagawa, MD, PhD	rst?
	Hybrid Revascularization: How to Do It? Presenter: Bob Kiaii, MD	
	Panel Discussion	
10:15 a.m 10:45 a.m.	Break/Exhibits	Drawing Room Foyer, lobby level
10:45 a.m. – 11:35 a.m.	Session 12: Post-Operative Medical Therapy Moderators: Marc Ruel, MD, MPH, Sigrid Sandner, MD Panelists: Milan Milojevic, MD, PhD, MSCE, Andre Lamy, I	MD, MHSc, Roxana Mehran, MD
	What Is the Impact of Secondary Prevention or Presenter: Milan Milojevic, MD, PhD, MSCE	Outcomes after CABG?
	Anti-Platelet Strategies after CABG Presenter: Sigrid Sandner, MD	
	Management of New-Onset Postoperative Atri Presenter: A. Marc Gillinov, MD	ial Fibrillation
	Lipid Management: Statins and Beyond Presenter: Michael Farkouh, MD	
11:35 a.m. – 12:15 p.m.	Abstract Session 2A Moderators: Fraser Rubens, MD, Harry Lapierre, MD, FRC	sc
	Long-Term Outcomes after Minimally Invasive Hugo M. N. Issa, MD, Ming Hao Guo, MD, Thin X Vo, MD, I Aun-Yeong Chong, MD, David Glineur, MD, PhD, Marc Rue	MSc, Kenza Rahmouni, MD,
	Surgical Planning for MICS-CABG Is Facilitated Antonio Panza, MD, Prashanth Ravi, PhD, James Bailey, N MIchael B. Burch, MD, Tommaso Hinna Danesi, MD, Louis	ND, James A. Miller, MD,
	Comparison of Complete Surgical Revasculariz Revascularization with MICS CABG Ming Hao Guo, MD, Thin X Vo, Hugo M.N. Issa, MD, Kyra I Aun-Yeong Chong, MD, David Glineur, MD, PhD, Marc Rud	Horsthuis, Kenza Rahmouni,
	<b>Concomitant Anaortic OPCAB and TAVR for H</b> Ammu Vijayakumar, MD, Michael Vallely, PhD, FRACS, Br Dean Boudoulas, MD	-



# STS Coronary Conference

### June 4-5, 2022 | Ottawa, ON, Canada 💻

11:35 a.m. – 12:45 p.m.	Abstract Session 2B MacDonald Room, mezzanine level   Moderators: Teresa Kieser, MD, PhD, Calgary, AB, Canada, Hiroyuki Nakajima, MD
	Novel Machine Learning Technique Defines Patients Who Benefit from Off-Pump CABG Keith A. Dufendach, MD, Chirag Nagpal, MS, Willa Potosnak, Artur Dubrawski, PhD, David Kaczorowski, MD
	Enhanced Recovery after Coronary Surgery: Novel Education Software Platform to Improve Patient Outcomes Aaron Tipton, MD, Craig Jarrett, MD, Alan Markowitz, MD, Kelsey Gray, MD, Omar Hussain, MD, Christian Baeza, MD, Yakov Elgudin, MD, PhD, Yasir Abu-Omar, MD, Pablo Ruda Vega, MD, Joseph Sabik III, MD, Mark Pelletier, MD, Gregory Rushing, MD
	Prospective STS Scoring with "High-Risk Pause" Drives Surgeon Collaboration and Decreases Risk Profiles among CABG Patients Gary Allen, MD, Scott Silvestry, Kevin Accola, George Palmer, Linda Bogar, Lara Crown, Jodie Giambarberee, Elizabeth Purington
	Long-Term Outcomes of Childhood Surgical Intervention for Coronary Artery Lesions Related to Kawasaki Disease Yoshikatsu Saiki, Kota Itagaki, Kay Maeda, Koti Ito, Yusuke Suzuki, Shintaro Katahira, Tomoyuki Suzuki, Goro Takahashi, Kiichiro Kumagai
	Coronary Artery Bypass Grafting for Patients with Unstable Angina Pectoris Olena Gogayeva, Anatolii Rudenko, Vasyl Lazoryshynets
	Closed Chest Bypass between the Internal Mammary Artery and the Coronary Heart Artery Beating through a Novel Medical Device Rodrigo De Souza
	Immediate Post-operative Outcomes of Off-Pump vs. On-Pump Coronary Artery Bypass Graft in Patients with Left Main Disease Stella Aprilia, MD, Tri W. Soetisna, MD, MHA, PhD, Dudy A. Hanafy, MD, MHA, PhD, Ni Made Ayu S. Damayanti, MD, Jason E. Solihin, MD, Maria Felinsianita, MD, Dicky A. Wartono, MD, Amin Tjubandi, MD, Bagus Herlambang, MD, PhD, Sugisman Suyuti, MD
12:15 p.m 1:00 p.m.	Lunch
1:00 p.m. – 1:40 p.m.	Keynote Lectures: Answering the Next Big Research Questions in Coronary Surgery Panelists: Marc Ruel, MD, MPH, Joseph F. Sabik III, MD, Michael Farkouh, MD, A. Marc Gillinov, MD, Roxana Mehran, MD
	Randomized Clinical Trials Presenter: Mario F.L. Gaudino, MD, PhD
	Big Data Analysis: Databases and Clinical Registries Presenter: Louise Sun, MD, SM, Ottawa, ON, Canada
	Panel Discussion



1:40 p.m. – 2:20 p.m.	Abstract Session 3 Moderators: Michael Vallely, PhD, FRACS
	Characteristics of Postoperative Atrial Fibrillation After Cardiac Surgery and the Effect of Posterior Pericardiotomy: A Post-hoc Analysis of the PALACS Trial Giovanni J. Soletti, MD, Roberto Perezgrovas-Olaria, David Chadow, Christopher Lau, MD, Mohamed Rahouma, MD, Gianmarco Cancelli, Lisa Q. Rong, A. Marc Gillinov, MD, Niv Ad, MD, Michael J. DiMaio, MD, Tommaso Sanna, Stephen Fremes, MD, Filippo Crea, Leonard N. Girardi, MD, Mario F.L. Gaudino, MD, PhD
	Nationwide Analysis of Readmissions after Surgical Coronary Revascularization: Is There a Price to Pay for Early Discharge? Craig M. Jarrett, MD, MBA, Matt Janko, MD, Aaron Tipton, MD, Marc Pelletier, MD, Greg Rushing, MD, Kelsey Gray, MD, Omar Hussian, MD, Yasir Abu-Omar, MD, Cristian Baeza, MD, Yakov Elgudin, MD, Alan Markowitz, MD, Pablo Ruda-Vega, MD, Joseph Sabik III, MD
	Coronary Artery Bypass Surgery for Acute Coronary Syndrome: A Network Meta-analysis of On-Pump Cardioplegic Arrest, Off-Pump and On-Pump Beating Heart Strategies Bridget Hwang, Michael L. Williams, David H. Tian, Tristan D. Yan, Martin Misfeld
	Minimally Invasive Off-Pump Anaortic Coronary Artery Bypass (MACAB) Ilhan Mavioglu, MD, Michael Vallely, PhD, FRACS
2:20 p.m. – 3:35 p.m.	Session 13: A Case-Based, Patient-Centered Approach to Challenges in Coronary Surgery Moderators: Patrick Myers, MD, Joseph F. Sabik III, MD Panelists: Torsten Doenst, MD, PhD, Duke E. Cameron, MD, Baltimore, MD, USA, Elaine Tseng, MD
	Anomalous Coronary Artery Anatomy in the Adult: Do I Treat It? How? Presenter: Duke E. Cameron, MD
	Total Arterial Grafting in Women – Pitfalls, Tips, and Tricks Presenter: Teresa Kieser, MD, PhD
	The Best Approach to CABG in the Diabetic Patient Presenter: Patrick Myers, MD
	The Patient with Acute MI and Cardiogenic Shock with Surgical Anatomy Presenter: Andreas Böning, MD
	The Elderly Patient Presenter: Thomas Schwann, MD, MBA
3:35 p.m. – 3:40 p.m.	Closing Remarks Joseph F. Sabik III, MD, Marc Ruel, MD, MPH