

COMPLEX CARDIOVASCULAR CATHETER THERAPEUTICS

Advanced Endovascular and Coronary Intervention Global Summit

JUNE 23-26, 2019
HILTON BONNET CREEK | ORLANDO, FLORIDA

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COMPLEX CARDIOVASCULAR CATHETER THERAPEUTICS

15 YEARS

Advanced Endovascular and Coronary Intervention Global Summit

The Concept of Reasonable Uncomplete Revascularization

"To do or not to do... That is the question..."

Jeff Rich

Gustavo Samaja, MD, FSCAI.













COMPLEX CARDIOVASCULAR CATHETER THERAPEUTICS Advanced Endovascular and Coronary Intervention Global Summit

The Concept of Reasonable Uncomplete Revascularization



Nothing to disclose related to this presentation

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"Perfect Complete Revascularization" The Holy Grail of PCI

Advantages of complete revascularization are intuitively logical, so complete revascularization was always pursued...







The Holy Grail of Complete Revascularization Was Not Yet Found...

Complete Revascularization in Multivessel Disease can be achieved in about 65% of CABG and 60% of PCI patients.

Concerns & -Caveats

- Universal Definition Unavailable...
- Confounding Variables Unavoidable...
- Successful CR in PCI versus CABG: Angiography ≠ Reported...
- CR should be a Major Tenet or a Valuable Objective?
- CR should be an Standard for CABG and PCI Comparison?
- CR should be performed always if we can, or IR is an alternative?
- Role of Functional Tests?

The Holy Grail of Reasonable Complete Revascularization is Now Pursual by Prediction of Coronary Risk by Prediction of Coronary Risk by

Functional SYNTAX Score for Risk Assessment in Multivessel Coronary Artery Disease

SYNTAX and Derived Scores

Synergy Between Percutaneous Coronary Intervention With

JACC 2011

Synergy Between Percutaneous Coronary Intervention With

JACC 2013

JACC 2013

Reasonable incomplete revascularisation after percutaneous coronary intervention: the SYNTAX Revascularisation Index

in

Eurointerventions 2014

Clinical outcomes of "complete, partially complete, and incomplete" revascularisation at five-year follow-up after percutaneous intervention of unprotected left main coronary artery disease with drug-eluting stents Eurointerventions 2015

The Incremental Impact of Residual SYNTAX Score on Long-Term Clinical Outcomes in Patients With Multivessel Coronary Artery Disease Treated by Percutaneous Coronary Interventions Reviews CCI 2015

Modifying angiographic syntax score according to PCI strategy: lessons

Alfredo E. Rodriguez 4.º, Carlos Fernandez-Pereira 4, Juan Mieres 4, Omar Santaera b, David Antoniucci c, on behalf of ERACI IV investigators

Cardiovascular Revascularization Medicine 2015

Validation of the SYNTAX Revascularization Index to Quantify Reasonable Level of Incomplete Revascularization After Percutaneous Coronary Into

toff value of

Impact of Completeness of Revascularization in Complex Coronary Artery Disease as Measured With the SYNTAX Revascularization Index: An SEEDS Substudy

Association of Coronary Vessel Characteristics With Outcome in Patients With Percutaneous Coronary Interventions With Incomplete Revasculari



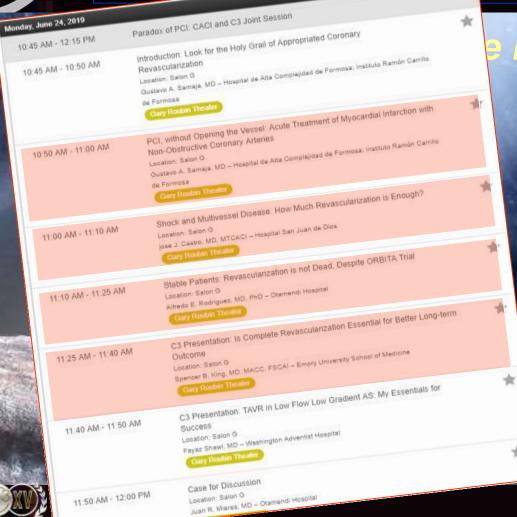
Bo Xu, ** MBBS, Nicolas Bettinger, 2,3 MD, Changdong Guan, MSC, Björn Redfors, 2 MD, PhD, Yuejin Yang, MD, Bao Li, MD, Yaling Han, MD, PhD, Xi Su, MD, Zuyi Yuan, MD, and Philippe Genereux, 2,3,8,9 MD



"Perfect Incomplete Revascularization" The Holy Grail of PCI

Tough Clinian

graphical Scenarios



Left Untreated?

Uncertain Scenarios

- "Normal Coronary Arteries" some times should be treated...
 - Non Culprit Vessel in Shock
- Multivessel Disease