

Under the patronage of:



# CTO SUMMIT 2019

Turin, April 11<sup>th</sup> - 12<sup>th</sup> 2019

STARHOTELS MAJESTIC  
Corso Vittorio Emanuele II, 54 - Torino

TERUMO  
LEARNING  
EDGE



# CTO SUMMIT 2019



## Directors

**Roberto Garbo**

San Giovanni Bosco Hospital Torino

**Andrea Gagnor**

Maria Vittoria Hospital Torino



## Co-Director

**Mauro De Benedictis**

Mauriziano Hospital Torino

## Live cases venue

(Transmission by satellite in HD)

**San Giovanni Bosco Hospital Torino**



**Mauriziano Hospital Torino**



*A.O. Ordine Mauriziano*

## Organizing Secretariat

COMUNICARE, Torino - Tel. 011 660 42 84

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# CTO SUMMIT 2019

## Course Objectives

*Percutaneous revascularization of chronic total occlusions (CTO) is without any doubt the most challenging procedure in coronary interventional cardiology. The knowledge of new techniques, as well as new dedicated wires and devices, allow to optimize procedural success also in other complex coronary interventions, in elective or urgent settings.*

*This new edition of CTO Summit in Turin is focused on Live cases, case review sessions and lecture from experts.*

### Congress Venue

STARHOTELS MAJESTIC  
Corso Vittorio Emanuele II, 54  
Torino



# CTO SUMMIT 2019

## International Faculty

ALMAGOR YARON, Jerusalem (IL)  
AGOSTONI PIERFRANCESCO, Anvers (BE)  
AVRAN ALEXANDRE, Marseille (FR)  
AL-AWAYSHEH RAED, Amman (JO)  
BOUDOU NICOLAS, Toulouse (FR)  
BRILAKIS EMANOUIL, Minneapolis (USA)  
BRYNIARSKI LESZEK, Krakow (PL)  
BUTTNER HEINZ-JOACHIM, Bad Krozingen (DE)  
CARDOSO PEDRO PINTO, Lisboa (PT)  
DENS JO, Genk (BE)  
DILETTI ROBERTO, Rotterdam (NL)  
ELGUINDY AHMED, Cairo (EG)  
EL-SETIHA MOHAMED, Tanta (EG)  
ESCANED JAVIER, Barcelona (ES)  
FADI ABOU JAOUDEH, Beirut (RL)  
GOKTEKIN OMER, Istanbul (TR)  
HILL JONATHAN, London (UK)  
KALNINS ARTIS, Riga (LT)  
KNAAPEN PAUL, Amsterdam (NL)  
KRAAIJEVELD ADRIAAN, Utrecht (NL)  
LORGIS LUC, Dijon (FR)  
MASHAYEKHI KAMBIS, Bad Krozingen (DE)  
NAP ALEXANDER, Amsterdam (NL)  
NASU KENYA, Toyohashi (JP)  
OCHIAI MASAHIKO, Yokohama (JP)  
RINFRET STEPHAN, Montréal (CA)  
RUMOROSO JOSE' RAMON, Santander (ES)  
SIANOS GEORGE, Thessaloniki (GR)  
SMITH ELLIOTT, London (UK)  
STRANGE JULIAN, Bristol (UK)  
TAMMAM KHALID, Jeddah (SA)  
TOMA AUREL, Wien (AT)  
UNGI IMRE, Szeged (HU)  
WERNER GERALD, Darmstadt (DE)  
WOJCIK JAROSLAW, Lublin (PL)  
YAMANE MASAHISA, Saitama (JP)

# CTO SUMMIT 2019

## Italian Faculty

ARANZULLA TIZIANA, Torino  
BARBERIS GIANCARLO, Torino  
BEQARAJ FEDERICO, Torino  
BIANCHI RENATOMARIA, Napoli  
BOCCUZZI GIACOMO, Torino  
BURZOTTA FRANCESCO, Roma  
CANTU' EDOARDO, Lecco - Merate (LC)  
CARLINO MAURO, Milano  
CHIZZOLA GIULIANO, Brescia  
COLANGELO SALVATORE, Torino  
COLOMBO ANTONIO, Milano  
COLOMBO FRANCESCO, Torino  
D'AMICO MAURIZIO, Torino  
DE BENEDICTIS MAURO, Torino  
DI MARCO MASSIMO, Pescara  
DI MARIO CARLO, Firenze  
DI RUSSO CRISTIAN, Roma  
DRAGO STEFANO, Torino  
FISCHETTI DIONIGI, Lecce  
FORLANI DANIELE, Pescara  
GAGNOR ANDREA, Torino  
GALASSI ALFREDO RUGGERO, Catania  
GAMBINO ALFONSO, Moncalieri (TO)  
GARBO ROBERTO, Torino  
GASPARINI GABRIELE, Milano  
GIAMMARIA MASSIMO, Torino  
GRANCINI LUCA, Milano  
IANNACCONE MARIO, Torino  
LA MANNA ALESSIO, Catania  
LIISTRO FRANCESCO, Arezzo  
MANCONE MASSIMO, Roma  
MAZZAROTTO PIETRO, Lodi  
MELIGA EMANUELE, Torino

# CTO SUMMIT 2019

## Italian Faculty

MILONE FRANCESCO, Torino  
MUSUMECI GIUSEPPE, Cuneo  
NOBILE GIAMPIERO, Bologna  
OREGLIA JACOPO, Milano  
PACCHIONI ANDREA, Mirano (VE)  
PALOSCIA LEONARDO , Pescara  
PARISI ROSARIO, Pesaro  
PERA ISIDORO, Lecco  
PIAZZA FABIO, Savigliano (CN)  
PIRO ORLANDO, Napoli  
PIVA TOMMASO, Ancona  
REIMERS BERNHARD, Mirano (VE)  
ROGNONI ANDREA, Novara  
RUTIGLIANO DAVID, Bari  
SANGIORGI GIUSEPPE, Roma  
SANNA FRANCESCO, Cagliari  
SARDELLA GENNARO, Roma  
SCACCIATELLA PAOLO, Torino  
SCLAFANI ROCCO, Perugia  
SCROCCA INNOCENZO, Torino  
SECCO GIOEL GABRIO, Alessandria  
STIO ROCCO, Roma  
TALANAS GIUSEPPE, Sassari  
TARANTINI GIUSEPPE, Padova  
TOMASSONI GIANLUCA, Teramo  
TRANI CARLO, Roma  
TRUFFA GIACHET ALESSANDRA, Asti  
TUMMINELLO GABRIELE, Vercelli  
TUMSCITZ CARLO, Ferrara  
UGO FABRIZIO, Torino  
VALENTI RENATO, Firenze  
VARBELLA FERDINANDO, Rivoli (TO)  
VIGNA CARLO, San Giovanni Rotondo (FG)

# CTO SUMMIT 2019

## Faculty Live Operators

AVRAN ALEXANDRE, Marsiglia (FR)  
BRILAKIS EMANOUIL, Minneapolis (USA)  
GAGNOR ANDREA, Torino  
GARBO ROBERTO, Torino  
KNAAPEN PAUL, Amsterdam (NL)  
MASHAYEKHI KAMBIS, Bad Krozingen (DE)  
NASU KENYA, Toyohashi (JP)  
OCHIAI MASAHIKO, Yokohama (JP)  
RINFRET STEPHAN, Montréal (CA)  
SIANOS GEORGE, Salonicco (GR)  
WERNER GERALD, Darmstadt (DE)  
YAMANE MASAHISA, Saitama (JP)

### **San Giovanni Bosco Hospital Torino**

BOCCUZZI GIACOMO, Torino  
COLANGELO SALVATORE, Torino  
COLOMBO FRANCESCO, Torino  
UGO FABRIZIO, Torino

### **Mauriziano Hospital Torino**

ARANZULLA TIZIANA, Torino  
DE BENEDICTIS MAURO, Torino  
MELIGA EMANUELE, Torino  
SCROCCA INNOCENZO, Torino

# CTO SUMMIT 2019

April 11<sup>th</sup> 2019

8.15 Greetings from the Authorities  
Welcome and opening address

## MORNING SESSION 8.30/13.30

Room Coordinator: **M. De Benedictis**

### 8.30/10.30 LIVE CASES FROM SAN GIOVANNI BOSCO AND MAURIZIANO HOSPITAL

Operators: **A. Gagnor** (*Mauriziano Hospital*)

**M. Yamane** (*San Giovanni Bosco Hospital*)

Co-Chairmen: **A. Galassi, G. Tarantini**

Commentators: **Y. Almagor, E. Brilakis, O. Goktekin, G. Musumeci, E. Smith, C. Trani, J. Wojcik**

### 10.30/11.30 TECHNICAL SESSION

Co-Chairmen: **J. Escaned, G. Sianos**

Discussants: **M. Boudou, E. Brilakis, L. Bryniarski, C. Di Mario, L. Lorgis, G.G. Secco, G. Tarantini**

10.30 New algorithms for CTO treatment:  
has something really changed? **C. Di Mario**

10.40 My 7 key points for CTO **E. Brilakis**

10.50 Protected PCI and CHIP **G. Tarantini**

11.00 Reverse CART technique: new classification  
for an old tool **M. Boudou**

11.10 Discussion

### 11.30/13.30 LIVE CASES FROM SAN GIOVANNI BOSCO AND MAURIZIANO HOSPITAL

Operators: **R. Garbo** (*San Giovanni Bosco Hospital*)

**K. Nasu** (*Mauriziano Hospital*)

Co-Chairmen: **J. Hill, K. Tammam**

Commentators: **P. Agostoni, L. Bryniarski, J. Dens, J. Escaned, K. Mashayekhi, G. Tomassoni, F. Varbella**

13.30 Lunch



# CTO SUMMIT 2019

April 11<sup>th</sup> 2019

## AFTERNOON SESSION 14.30/17.30

Room Coordinator: **G. Sardella**

### 14.30/16.00 TECHNICAL SESSION

*Co-Chairmen:* **J. R. Rumoroso, G. Werner**

*Discussants:* **A. Avran, J. Dens, R. Diletti, G. Gasparini, M. Ochiai, J. Oreglia, K. Tammam**

14.30 Why choose a specific wire according to angiographic and anatomical features  
**M. Ochiai**

14.40 Managing bifurcations in antegrade and retrograde approach **K. Tammam**

14.50 Ostial CTO lesion **A. Avran**

15.00 Utility of Guiding catheter extension in CTO PCI  
**G. Gasparini**

15.10 ADR, why and when: view from the hybrid operator  
**J. Dens**

15.20 CTO complications: troubleshooting device entrapment  
**J. Oreglia**

15.30 Discussion

### 16.00/18.00 LIVE CASES FROM SAN GIOVANNI BOSCO AND MAURIZIANO HOSPITAL

*Operators:* **E. Brilakis** (*San Giovanni Bosco Hospital*)  
**K. Mashayekhi** (*Mauriziano Hospital*)

*Co-Chairmen:* **C. Di Mario, P. Knaapen**

*Commentators:* **N. Boudou, P.P. Cardoso, R. Diletti, A.J. Fadi, D. Fischetti, O. Goktekin, S. Rinfret**

18.00 Closing remarks

# CTO SUMMIT 2019

April 12<sup>th</sup> 2019

## MORNING SESSION 8.30/13.30

Room Coordinator: **G. Gasparini**

### 8.30/10.30 LIVE CASES FROM SAN GIOVANNI BOSCO AND MAURIZIANO HOSPITAL

Operators: **M. Ochiai** (*Mauriziano Hospital*)

**G. Sianos** (*San Giovanni Bosco Hospital*)

Co-Chairmen: **A. Avran, E. Smith**

Commentators: **H.J. Buttner, M. Carlino, J. Dens, A. Kalnins, P. Knaapen, F. Liistro, I. Ungi**

### 10.30/11.30 TECHNICAL SESSION

Co-Chairmen: **E. Smith, K. Mashayekhi**

Discussants: **Y. Almagor, M. Carlino, J. Hill,**

**M. Yamane, G. Sardella, J. Strange, G. Werner**

10.30 Utility of imaging for planning CTO strategy  
**G. Werner**

10.40 Managing severe calcified lesion **J. Strange**

10.50 When microcatheter doesn't cross:  
tips and tricks **J. Hill**

11.00 Donor vessel complication: a nightmare  
**M. Yamane**

11.10 Discussion

### 11.30/13.30 LIVE CASES FROM SAN GIOVANNI BOSCO AND MAURIZIANO HOSPITAL

Operators: **A. Avran** (*Mauriziano Hospital*)

**S. Rinfret** (*San Giovanni Bosco Hospital*)

Co-Chairmen: **A. Colombo, B. Reimers**

Commentators: **N. Boudou, F. Burzotta, L. Grancini, G. Sangiorgi, E. Smith, J. Strange, A. Toma**

13.30 Lunch

# CTO SUMMIT 2019

April 12<sup>th</sup> 2019

## AFTERNOON SESSION 14.30/17.30

Room Coordinator: **J. Oreglia**

### 14.30/15.30 TECHNICAL SESSION

Co-Chairmen: **J. Hill, A. La Manna**

Discussants: **P. Agostoni, F. Liistro, K. Mashayekhi, A. Nap, S. Rinfret, F. Sanna, E. Smith**

14.30 Managing impenetrable cap  
**E. Smith**

14.40 My top tips and tricks in ADR strategy  
**A. Nap**

14.50 Tip in: two microcatheters technique for complex CTO PCI  
**K. Mashayekhi**

15.00 CTO in post CABG patients  
**S. Rinfret**

15.10 Discussion

### 15.30/17.30 LIVE CASES FROM SAN GIOVANNI BOSCO AND MAURIZIANO HOSPITAL

Operators: **P. Knaapen** (*San Giovanni Bosco Hospital*)  
**G. Werner** (*Mauriziano Hospital*)

Co-Chairmen: **S. Rinfret, G. Sianos**

Commentators: **M. D'Amico, D. Forlani, A. Kraaijeveld, A. La Manna, A. Nap, J.R. Rumoroso, C. Tumscitz**

17.30 Closing Remarks

# CTO SUMMIT 2019

April 11<sup>th</sup> 2019

## PARALLEL SESSIONS

Coordinator: **P. Mazzarotto**

"MY MOST TEACHING CASE OF THE YEAR"

10.30-11.30 **CASE PRESENTATION**

*Discussants:* **G. Barberis, G. Chizzola, A. Kalnins, A. La Manna G. Musumeci, D. Rutigliano, R. Sclafani, G. Tumminello, F. Varbella, C. Vigna**

10.30 CASE PRESENTATION **R. Al-Awaysheh**  
Discussion

10.50 CASE PRESENTATION **R. Diletti**  
Discussion

11.10 CASE PRESENTATION **C. Di Russo**  
Discussion

14.30-15.30 **CASE PRESENTATION**

*Discussants:* **F. Beqaraj, M. Di Marco, F. Milone, R. Parisi, O. Piro, T. Piva, G.G. Secco, A. Truffa, R. Valenti, F. Varbella**

14.30 CASE PRESENTATION **A. ElGuindy**  
Discussion

14.50 CASE PRESENTATION **R. Stio**  
Discussion

15.10 CASE PRESENTATION **J.R. Rumoroso**  
Discussion

# CTO SUMMIT 2019

April 12<sup>th</sup> 2019

## PARALLEL SESSIONS

Coordinator: **P. Mazzarotto**

"MY MOST TEACHING CASE OF THE YEAR"

10.30-11.30 **CASE PRESENTATION**

*Discussants:* **P. Agostoni, R. Bianchi, D. Forlani, G. Nobile, L. Paloscia, F. Piazza, A. Rognoni, G. Sangiorgi, F. Sanna, P. Scacciatella**

10.30 CASE PRESENTATION **H.J. Buttner**  
Discussion

10.50 CASE PRESENTATION **L. Lorgis**  
Discussion

11.10 CASE PRESENTATION **A. Toma**  
Discussion

14.30-15.30 **CASE PRESENTATION**

*Discussants:* **E. Cantù, S. Drago, A. Gambino, L. Grancini, M. Iannacone, A. Pacchioni, I. Pera, D. Rutigliano, G. Talanas**

14.30 CASE PRESENTATION **M. El Setiha**  
Discussion

14.50 CASE PRESENTATION **M. Mancone**  
Discussion

15.10 CASE PRESENTATION **C. Tumscitz**  
Discussion

# CTO SUMMIT 2019

## Gala Dinner

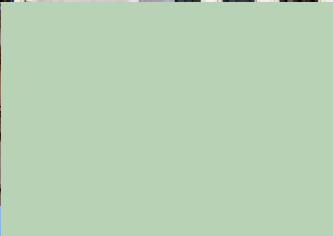
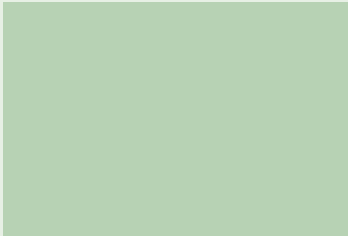
Thursday April 11<sup>th</sup> 8.00 PM

### **MUSEO DELL'AUTOMOBILE**

Corso Unità d'Italia, 40  
Torino

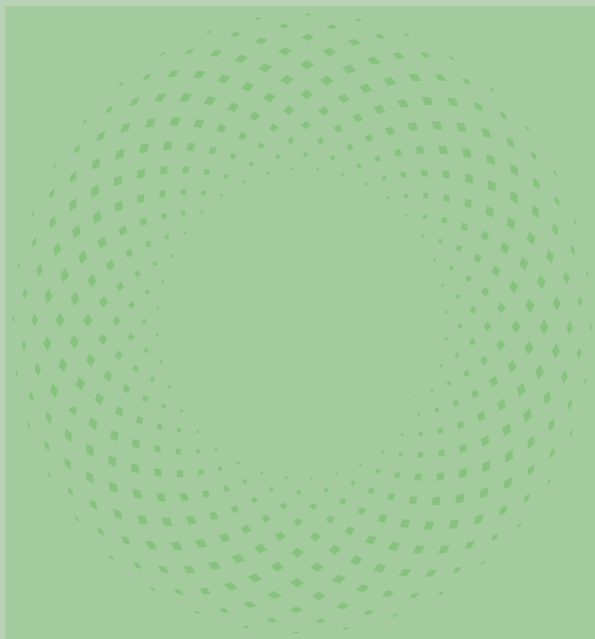


# CTO SUMMIT 2019



# CTO SUMMIT 2019

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