FINAL PROGRAM

6TH EDITION
MULTI-LEVEL CTO COURSE
SHARING KNOWLEDGE

2021

JULY 1ST & 2ND
Palais de la Méditerranée,
Nice, France

HYBRID EDITION
Join us on-site or watch online!

DIRECTORS
Alexandre AVRAN MD
Kambis MASHAYEKHI MD
Stéphane RINFRET MD

academy.mlcto.com

This event is accredited for 12 CE credits by EBAC
Dear friends,

The recanalization of coronary chronic total occlusion (CTO) has become an essential procedure to treat symptomatic patients with ischemia or heart failure. It is a growing and constantly evolving discipline, allowing us to improve our daily practice in percutaneous coronary interventions (PCI).

Learning or reviewing the basics, tips & tricks, and mastering CTO techniques is key to manage complex coronary patients. More and more interventional cardiologists are eager to develop CTO PCI programs in their CathLabs.

Strong of our digital experience last year, the Course Directors have decided to organize an exclusive and hybrid event on July 1st and 2nd this year: face-to-face exchanges in Nice and digital interaction for online participants!

Traveling worldwide will still be complicated in 2021, our objective is to involve worldwide centers for live cases transmission, in order to gather the CTO community despite the health crisis, and propose a tailored agenda for physical attendees and dynamic sessions for online audience.

This year exceptionally, the ML CTO 2021 program will be a 2-day multi-level format, through 3 daily short sessions adapted to your working day schedules: early morning – lunch break and after work time.

Each session will be live broadcast and structured around cases performed by national and international experts, in a continuing open interactive discussion whether you are present in Nice or connected online.

If you participate face-to-face (joining us in Nice), a dedicated program will be offered to you including technical workshops, private clinical sessions, symposia and hands-on space to foster face-to-face and tailored interaction with the faculty members and the sponsors.

We hope innovating! Our friends from North America will unfortunately not be able to join us in Nice.

This is why we’ve created an exceptional US HUBspot, chairing by Dr Stephan Rinfret and Dr William Nicholson at Emory Heart Center (Atlanta, USA).

Indeed, we will welcome our USA faculty members in several live cases, and exchanging live from a TV studio set up in Emory Heart Center (Atlanta, USA).

ML CTO 2021 has been possible thanks to the continuous and dynamic sessions for online audience.

And dynamic sessions for online audience.

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2020 has allowed us to create the ML CTO Academy, a scientific and educational association.

Discover our reshaped website, presenting the Academy and the ML CTO course, and access to on demand presentations, live broadcast, the virtual exhibition hall with our partners and many surprises!

Alexandre Avran MD, Kambis Mashayekhi MD, & Stéphane Rinfret MD
ML CTO co-Directors
THURSDAY, JULY 1ST

MORNING SESSION 1

Digital moderators: Muzzafer Degertekin & Arun Kalyanasundaram
Chair: Kambis Mashayekhi

08:05 LIVE CASE #1
From VU University Medical Center - Amsterdam, Netherlands
Operators: Paul Knaapen & Alexander Nap
Presentation: patient history and operators’ strategy
Live case performance and panel discussion
Conclusion of live case
Flash presentations: complication management cases
Presenters: Rustem Dautov, Ali El Sayed & Roberto Garbo & Arun Kalyanasundaram
Case-in-box presentation. Carlo Di Mario

10:00 Coffee break in the auditorium

ON SITE AGENDA: PLENARY PROGRAM

NEW CTO WIRES
Chairs: Andrea Gagnor & Thierry Lefèvre
10:30 Non polymeric coiled guidewires. Jo Dens
10:50 Polymer-jacketed guidewires. Gregor Leibundgut

RADIAL & CTO
Chair: Goran Olivecrona & Antonio Serra
11:10 Sheathless & distal radial access. Claudiu Ungureanu
11:30 Cases presentation. Stefan Harb

SCIENTIFIC PROGRAM

LUNCH SESSION 2

Digital moderators: James Spratt & Khalid Tammam
USA HUB moderators: Emmanouil Brilakis, William J. Nicholson & Stéphane Rinfret
Chair: Alexandre Avran
IVUS commentator: Stéphane Carlier

11:45 LIVE CASE #2
From Polyclinique Saint George - Nice, France
Operators: Nicolas Boudou & Kambis Mashayekhi
Presentation: patient history and operators’ strategy
Live case performance and panel discussion
Conclusion of live case

12:45 LIVE CASE #3
From Polyclinique Saint George - Nice, France
Operators: Gabriele Gasparini & Thomas Hovasse
Presentation: patient history and operators’ strategy
Live case performance and panel discussion
Conclusion of live case

14:00 Coffee break at the terrace

Each live case from Polyclinique Saint George - Nice, France is using a contrast product by Guerbet and an imaging system by General Electric.

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This program is accredited by the European Board for Accreditation of Continuing Education for Health Professionals (EBAC) for 12 hour(s) of external CE credit(s). Each participant should claim only those hours of credit that have actually been spent in the educational activity.
ON SITE AGENDA: PRE-REGISTER ONLINE PRIOR OR DIRECTLY ON SITE

The afternoon sessions will be held in front of the Hyatt terrace.

SYMPOSIA (BROADCAST ON ZOOM TO ALLOW ONLINE PARTICIPATION)

ROOM CHARLESTON
14:30 COMPLEX AND CALCIFIED CTO LESIONS – PART 1
Chairs: Mauro Carlino & Goran Olovcrna
Guidewire selection for complex CTOs. José Rumoroso
Microcatheter selection for complex CTOs. Mohamed Ayoub
Lower profile microcatheters for retrograde CTO PCI. Stylianos Pyxaras

ROOM CHARLESTON
15:15 CTO & BIFURCATION
Chairs: Stéphane Carlier & Amr El Hadidy
Bifurcation management in antegrade CTO PCI. Thierry Lefèvre
Bifurcation management in retrograde CTO PCI. Nicolas Boudou
Case examples. Nicolas Lhoest

ROOM CHARLESTON
16:00 WHAT YOU NEED FOR OPTIMAL CTO PCI
Chair: Kambis Mashayekhi
Antegrade dissection re-entry in 2021: a case-based discussion.
Margaret McEntegart & Elliot Smith

16:45 Coffee break at the terrace

HANDS-ON (ONLY ON SITE)
ROOM FOXTROT
HANDS-ON 1
14:30 Slot 1
15:15 Slot 2
16:00 Slot 3

ROOM PASO DOBLE
HANDS-ON 2
17:15 Live Case #4
From Emory Heart and Vascular Center - Atlanta, USA
Operators: Emmanouil Brilakis & William J. Nicholson
Presentation: patient history and operators’ strategy
Live case performance and panel discussion
Conclusion of live case
Flash presentations: complication management cases
Presenters: Sergey Furkalo & Chris Zambakides

18:15 End of the day

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ONL Y ON SITE
MORNING SESSION 4

**Digital moderators:** Kenya Nasu & Scott Harding
**Chair:** Kambis Mashayekhi

08:00 **LIVE CASE #5**

*From Saitama-sekishinkai Hospital - Sayama City, Japan*

**Operator:** Shigeki Nishiyama & Masahisa Yamane

Presentation: patient history and operators’ strategy
Live case performance and panel discussion
Conclusion of live case

Flash presentations: IVUS guidance cases
- IVUS for identify antegrade cap. **Scott Harding**
- IVUS for reverse cart. **Paul Hsien-Li Kao**
- IVUS for stent optimisation. **Byeong-Keuk Kim**

Case-in-box presentation
Calified CTO of LAD: IVL as a new treatment option. **Daniel Weilenmann**

10:00 Coffee break in the auditorium 📍

**ON SITE AGENDA: PLENARY PROGRAM**

**ADR**
**Chairs:** Alexandre Avran & Mauro Carlino

10:30 How to access the subintimal space? **Ahmed El Guindy**
10:45 How to re-enter into the true lumen? **Simon Walsh**

**EPICARDIAL OR DIFFICULT SEPTAL CROSSING**
**Chairs:** Kambis Mashayekhi & Thomas Hovasse

11:00 Difficult septal crossing. **Khalid Tammam**
11:15 Safer epicardial collateral crossing. **Andrea Gagnor**

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SCIENTIFIC PROGRAM

**FRANCE TIME (GMT +2)**

**Each live case from Polyclinique Saint George - Nice, France - is using a contrast product by Guerbet and an imaging system by General Electric.**

<table>
<thead>
<tr>
<th>TIME</th>
<th>SESSION</th>
<th>CHAIRS/OPERATORS</th>
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| 11:30 | CTO & CALCIFICATIONS | **Chairs:** Gabriele Gasparini & Stylianos Pyxaras  
**Operators:** Mike Koutousis & Elliott Smith  
**USA HUB moderators:** Lorenzo Azzalini, Emmanouil Brilahis & Stéphane Rinfret  
**Chair:** Kambis Mashayekhi  
**IVUS commentator:** Stéphane Carlier |
| 11:45 | How to approach uncrossable lesions? **Colm Hanratty**  
Which calcified plaque needs modification? **Margaret McEntegart** |
| 12:00 | LIVE CASE #6 | **From Polyclinique Saint George - Nice, France**  
**Operators:** Alexandre Avran & Roberto Garbo |
| 12:45 | LIVE CASE #7 | **From Polyclinique Saint George - Nice, France**  
**Operators:** Gregor Leibundgut & Daniel Weilenmann |
| 14:15 | Coffee break at the terrace 📍 |
ON SITE AGENDA: PRE-REGISTER ONLINE PRIOR OR DIRECTLY ON SITE

The afternoon sessions will be held in front of the Hyatt terrace.

SYMPOSIA (BROADCAST ON ZOOM TO ALLOW ONLINE PARTICIPATION)

ROOM CHARLESTON
14:45
COMPLEX AND CALCIFIED CTO LESIONS – PART 2
Chairs: Nicolas Boudou & Roberto Garbo
Updates in ADR. Jonathan Hill
New wire and microcatheters: characteristics and how to use. Joao Antonio Brum Silveira
Rotational atherectomy during CTO PCI. Mike Koutousis

ROOM CHARLESTON
15:30
NEW DEVICES FOR EVERYDAY CTO PCI
Chairs: Alexandre Avran & Goran Olivecrona
The re-invention of parallel wiring with new devices. Gabriele Gasparini
New device for ADR. Andrew Luching
New device experience in balloon un-crossable lesions. Colm Hanratty

SIMULATIONS & WORKSHOPS (ONLY ON SITE)

ROOM PASO DOBLE
16:15
Teleflex guidewires in combination with microcatheters: real world experience. Dr Amat & Roberto Garbo

ROOM CHARLESTON
16:15
New perspectives in CTO training? Alexandre Avran

HANDS-ON (ONLY ON SITE)

ROOM FOXTROT
14:45
Slot 1
15:30
Slot 2
16:15
Slot 3

17:00
Coffee break at the terrace

AFTERWORK SESSION 6

Digital moderator: Joao Antonio Brum Silveira
USA HUB moderators: Lorenzo Azzalini & Emmanouil Brilakis
Chairs: Alexandre Avran & Kambis Mashayekhi

17:15
LIVE CASE #8
From Emory Heart and Vascular Center - Atlanta, USA
Operators: William J. Nicholson & Stéphane Rinfret
Presentation: patient history and operators’ strategy
Live case performance and panel discussion
Conclusion of live case
Flash presentations: IVUS guidance cases
- IVUS for subintimal tracking in bifurcation. Kambis Mashayehhi
- IVUS for ADR. James Spratt
- IVUS for guidance of proximal cap puncture. Stéphane Carlier

19:15
ML CTO closing

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In compliance with EBAC guidelines, all speakers/chairpersons participating in this program have disclosed or indicated potential conflicts of interest which might cause a bias in the presentations. The Organizing Committee/Course Director is responsible for ensuring that all potential conflicts of interest relevant to the event are declared to the audience prior to the CE activities.
LIVE CASES TRANSMISSIONS CENTERS

PARAMEDICS SCIENTIFIC PROGRAM

THURSDAY, JULY 1ST

PARAMEDICS WEBINAR 1 (ENGLISH WEBINAR)

Chairs: Hervé Faltot & Sarah Spahr
16:00  CTO pathophysiology. Valentino Oriolo
16:20  CTO PCI, for which patients? Nathalie Ferlatte
16:40  My to do list. Stefan van Gorsel
17:00  End of the webinar

FRIDAY, JULY 2ND

PARAMEDICS WEBINAR 2 (FRENCH WEBINAR)

Chair: Hervé Faltot
16:00  Les outils essentiels. Fanny Villanova
16:15  Pas de CTO sans microcathéter. Marc Menessier
16:30  Peak Skin Dose (PSD), réel indicateur dosimétrique pour la CTO ? Stefan Carpentier
16:45  Comment repousser les limites de la CTO ? Hervé Faltot
17:00  Fin du webinar

PARAMEDICS WEBINARS COORDINATORS & GUEST FACULTY

WEBINARS COORDINATORS

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PORTUGAL
Ricardo Esteves - Lisboa

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Valentino Oriolo - Bristol

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- Access the event program and speakers list
- Create your own daily schedule that will guide you through the day
- Stay informed and receive the latest messages and news
- Chat with other attendees
- Take notes during sessions

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SEE YOU ALL NEXT YEAR IN NICE!