

A detailed wireframe model of a human heart, showing the ventricles, atria, and major blood vessels. The model is rendered in a light purple/pink color with a grid-like structure. It is positioned on the left side of the image, partially overlapping the background network pattern.

10<sup>TH</sup> ANNIVERSARY

MLCTO

SHARING KNOWLEDGE

**MULTI LEVEL CTO  
ANNUAL COURSE**

**JUNE 26<sup>TH</sup> - 28<sup>TH</sup>  
JUNE 2025**

**PALAIS DE LA MÉDITERRANÉE  
NICE, FRANCE**

**PRELIMINARY PROGRAM**

**CO-DIRECTORS**

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[www.course.mlcto.com](http://www.course.mlcto.com)

# ML CTO PRELIMINARY PROGRAM

**THURSDAY, JUNE 26th** 09:00 > 18:15

**DAY 1. 10 YEARS OF BASICS** ..... p. 3

**FRIDAY, JUNE 27th** 08:45 > 18:45

**DAY 2. 10 YEARS OF IMPROVEMENT** ..... p. 7

**SATURDAY, JUNE 28th** 09:00 > 12:45

**DAY 3. 10 YEARS OF SHARING** ..... p. 11

**MLCTO 2025 INTRODUCTION | A 10-YEAR JOURNEY**  
Alexandre Avran, Kambis Mashayekhi & Stéphane Rinfret

09:00  
10:15

**SESSION 1 CURRENT BASIC TECHNIQUES FOR AWE**

- Modern AWE in 2025
- The parallel wire techniques in 2025
- Dealing with a bifurcation and use a dual lumen microcatheter
- Dealing with lack of support
- IVUS for antegrade CTO PCI: the basics

**BEST OF ML CTO LIVE:** Antegrade crossing

10:15 Coffee break & Exhibition visit

10:45  
12:45

## SESSION 2 CURRENT BASIC TECHNIQUES FOR ADR



### LIVE CASE #1

From Polyclinique Saint-George, Nice

- How to penetrate the extraplaque space
- How to travel extraplaque
- How to perform antegrade reentry with dedicated devices
- How to perform wire-based reentry

**BEST OF ML CTO LIVE:** How to get back in

12:45

Lunch break & Exhibition visit

13:45  
15:45

**SESSION 3 CURRENT BASIC TECHNIQUES FOR RETROGRADE CTO PCI**



**LIVE CASE #2**

From Centre Cardio-Thoracique, Monaco

- How to plan my first retrograde procedure
- How to cross a septal collateral channel
- Approaches to retrograde cap
- How to connect from a bilateral approach
- How to snare and externalize

**BEST OF ML CTO LIVE:** How to create your own snare video

15:45 **Coffee break & Exhibition visit**

16:15  
18:15

## **SESSION 4 CURRENT BASIC TECHNIQUES IN COMPLICATION MANAGEMENT**



### **LIVE CASE #3**

From Polyclinique Saint-George, Nice

- **ML CTO AMBASSADORS AWARDS**
- How to perform coiling for collateral or distal perforations
- How to manage a main vessel perforation

**BEST OF ML CTO LIVE:** A complication

18:15    End of the day

08:45  
10:50

**SESSION 5 IMPROVING YOUR ANTEGRADE SKILLS**



**LIVE CASE #4**

From Polyclinique Saint-George, Nice

- When the microcatheter cannot cross
- Navigating through device selection for plaque modification
- Hairpin or reverse wiring-simpler than it looks
- The use of IVUS to puncture a proximal ambiguous cap

**BEST OF ML CTO LIVE:** How to create your own snare video

10:50

Coffee break & Exhibition visit

11:20  
13:00

## SESSION 6 GETTING BETTER WITH ADR TECHNIQUES



### LIVE CASE #5

From Centre Cardio-Thoracique, Monaco

- BASE, sidebase, power knuckle to get going
- How to manage ISR CTO when doing ADR

### BEST OF ML CTO LIVE: Crush stent

- How to manage a reentry zone at a bifurcation

13:00

Lunch break & Exhibition visit



14:00  
16:00

**SESSION 7 GETTING BETTER WITH RETROGRADE TECHNIQUES**



**LIVE CASE #6**

From Polyclinique Saint-George, Nice

- How to navigate and cross an epicardial collateral connection
- How to manage an epicardial perforation
- Complementary techniques to externalization; tip in and rendez-vous
- IVUS to solve difficult reverse CART

16:00

Coffee break & Exhibition visit

16:30  
18:45

## **SESSION 8 ALWAYS MORE CASES**



### **LIVE CASE #7**

From Centre Cardio-Thoracique, Monaco



### **LIVE CASE #8**

From Georgia Heart Insitute, United States

## **CASES CONTEST BY ML CTO ACADEMY MEMBERS**

18:45    End of the day

**09:00  
10:40**

**SESSION 9 IT'S ALL ABOUT THE PATIENT: CASE-BASED LEARNING WITH THE MASTERS**

- A failure we can all learn from
- A fatal complication we can all learn from
- An improvised technique we can all learn from
- A mistake we can all learn from
- A great save we can all learn from

**FLYING HIGH ANTEGRADE**

- 3D Wiring

**FLYING HIGH IN DISSECTION RE-ENTRY**

- Post CABG and ADR

**FLYING HIGH RETROGRADE**

- Electrosurgery for ostial RCA CTO

**10:40** Coffee break & Exhibition visit

11:00  
12:45

## **SESSION 10 ML CTO FAMILY**



### **LIVE CASE #9**

From Centre Cardio-Thoracique, Monaco

### **«CTO FAMILY FEUD GAME»**

12:45

ML CTO 2025 Lunch closing



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SHARING KNOWLEDGE

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