

Workshop objectives:

- To learn technical skills to perform antegrade CTO techniques: AWE, ADR, How to use ADR technique with and without stingray balloon, Assisted ADR with dual or recross- microcatheter.
- How to use IVUS during in CTO PCI. IVUS guidance for CTO crossing.
- To learn technical skills to perform retrograde CTO techniques: collateral selection and collateral crossing techniques (septal/epicardial).
- How to approach ambiguous or impenetrable proximal cup: Power-knuckle, SB-knuckle, BASE, scratch-and-go technique, "Carlino" Technique.
- How to manage coronary collateral perforation.

Our team:

- **Cardiology department director and staff:** Dra. Beatriz Vaquerizo, Dra. Helena Tizón, Dr. Xavier Armario, Dr. Hector Cubero.
- **Fellow:** Dr. Alicia Prieto, Dr. Juan Carlos Betancourt
- **Nurse director:** DUE Elena Maull. Nurses: María Jose Pueyo, Yolanda Bartolomé, Icar Tribó, Salvador Encinas, Gina Pi, Cristina Tevar, Camino Fernández, Iu Serra, Teresa Guiberteau, Fátima Domingo, Miguel Ángel Guijo, David Sánchez, Pilar Gonzalez, Andrea Sánchez, Pau Buigues, Cristina Polonio.

International/National team:

- **Dr. Jorge Sanz**, CHIP and TAVI operator of interventional cardiologist at the Hospital la Fe in Valencia.
- **Dr. Ignacio Amat**, interventional cardiologist and head of Interventional Cardiology & hemodynamic from the Instituto de Ciencias del Corazón (ICCOR) at the Hospital Clínico Universitario de Valladolid.
- **Dr. Gabriele Gasparini**, interventional cardiologist, Humanitas Research Hospital, Milan, Italy. He is CTO operator, proctor and educator. He is the Founder and Course Director of the CTO Live Aid event. Dr Gasparini has written the ABCTO Handbook, focused on percutaneous treatment of chronic total occlusions.
- **Dr. Paul Knaapen**, is an Interventional Cardiologist, the Director of Cardiac PET/CT and a Professor of Interventional Cardiology at Amsterdam UMC, Netherlands. He is CTO operator, proctor and educator. He lectures both nationally and internationally on cardiac PET/CT imaging and complex coronary interventions with an emphasis on CTOs.
- **Dr. Stéphane Carlier**, is the head of the cardiology department at UMONS. He is interventional cardiologist at the Ambroise Paré UHC in Mons. He is a really well-known expert on Intravascular imaging and was director of the Intravascular Imaging Laboratory at the Cardiovascular Research Foundation and Columbia University in New York.

Barcelona CTO Workshop II

8-9th February 2024

 Hospital del Mar
Barcelona



Thursday 8th February 2024

Cardiology department HOSPITAL DE MAR

C/ Passeig Marítim, 25/29, 08003 Barcelona

- 9:00 a 09:15 h. Course Presentation and Programme - View Lab Room - Cardiology Department (Room 3/4, 1st floor). **Dr. B. Vaquerizo and Dr. H. Tizón.**
- 9:15 a 13:30 h. Morning sessions (Live case and talks): **Dr. J. Sanz and Dr. P. Knaapen.**
ROOM 3, 1st Floor, Cardiology Department.
- Case CTO 1: Presentation (Fellow) and Discussion.
Operators: **Dr. G. Gasparini and Dr. H. Tizón** (Cath Lab).
Imaging specialist: **Dr. Stéphane Carlier.**
- 9:30 h. Coffee during Live Case and talks (ROOM 3/4 - Cardiology Department).
- To learn technical skills to perform antegrade CTO techniques.
Dr. Nacho Amat (20 min. presentation and 10 min. discussion).
How to approach ambiguous or impenetrable proximal cup.
Dr. P. Knaapen (20 min. presentation and 10 min. discussion).
- 13.30 h. Light meal and CTO simulator time.
ROOM 3, 1st Floor, Cardiology Department.
- 14:30 a 17:30 h. Afternoon sessions (Live case and talks): **Dr. H. Tizón and Dr N. Amat.**
ROOM 3, 1st Floor, Cardiology Department.
- Case CTO 2: Presentation (Fellow) and Discussion.
Operators: **Dr. P. Knaapen and Dr B. Vaquerizo** (Cath Lab).
Imaging specialist: **Dr. Stéphane Carlier.**
- How to manage coronary collateral perforation.
Dr. Jorge Sanz (20 min. presentation and 10 min. discussion).
IVUS guidance for CTO crossing.
Dr. Stéphane Carlier (20 min. presentation and 10 min. discussion).
- Wrap up of the day. **Dr. Vaquerizo.**
- 20:30 h. Dinner in One of the Best Restaurant in Born.
Hotel K+K (Passeig de Picasso, 26, 30, 08003 Barcelona).

Friday 9th of February 2024

Interventional Cardiology Unit at HOSPITAL DE MAR

C/ Passeig Marítim, 25/29, 08003 Barcelona

- 8:15 a 16:00 h. Morning/Afternoon sessions (Live case and talks): **Dr. H. Tizón and Dr. J. Sanz.** ROOM 3, 1st Floor, Cardiology Department.
- Case CTO 3: (8:15 am) Presentation (Fellow) and Discussion.
Operators: **Dr. B. Vaquerizo and Dr G. Gasparini** (Cath Lab).
Imaging specialist: **Dr. Stéphane Carlier.**
- 9:00 h. Coffee Break during Live CTO and talks.
ROOM 3, 1st Floor, Cardiology Department.
- To learn technical skills to perform retrograde CTO techniques:
Collateral selection and collateral crossing techniques (septal/epi cardial) **Dr. P. Knaapen** (20 min. presentation and 10 min. discussion).
- 13:00 h. Case CTO 4: Presentation (Fellow) and Discussion.
Operators: **Dr. N. Amat and Dr P. Knaapen** (Cath Lab).
Imaging specialist: **Dr. Stéphane Carlier.**
- My view: the hybrid approach to CTO interventions.
Dr G. Gasparini (20 min. presentation and 10 min. discussion).
- 16:00 h. End of course and Lunch.
ROOM 1/2, 1st Floor, Cardiology Department.

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