

PORTO CCT 2019

Level I EACVI/SCCT Course

Faculty of Medicine; University of Porto / Portuguese Society of Cardiology

24-26, October 2019

Cardiovascular Academy – Portuguese Society of Cardiology

Rua do Campo Alegre, 830, 2^o Andar, Sala 8 4150-180 Porto

Duration	28 hours
DIRECTOR	Nuno Bettencourt, MD, PhD, FESC, FACC, FSCCT
TRAINING PROGRAM / INSTITUTION	Cardiovascular R&D Unit – Faculty of Medicine, University of Porto Cardiovascular Academy – Portuguese Society of Cardiology
FACULTY	Physicians: Ana Almeida, Ana Catarina Faustino, António Miguel Ferreira, Bruno Figueiredo, Luciana Barbosa, João Abecassis, João Rocha, Luís Oliveira, Miguel Correia, Nuno Bettencourt, Nuno Ferreira, Pedro Gonçalves, Pedro Matos, Raquel Themudo, Ricardo Ladeiras Lopes, Rita Faria. Radiographers: Carlos Muñoz, Daniel Leite, Diogo Santos, Ismael Alves, Mónica Carvalho, Wilson Ferreira
TRAINEES	Cardiologists; Radiologists; Cardiologists in training; Radiologists in training; Radiographers
OBJECTIVES	To provide high quality and clinically relevant CCTA level I training (introductory training for familiarity with CCT) – working as a complement to a mandatory ≥4-week period of dedicated fellowship. This training provides appropriate basic background in CCT for clinical practice in cardiology or general radiology – and focus in important clinical components, namely appropriate indications, limitations, patient preparation, scan-acquisition and post-processing.
COURSE TYPE	Mixed Course: - Didactic educational sessions - Practice-based analyzing and interpreting CCTA studies - Practice-based, performing live CCTA studies
LOCAL	North Delegation – Portuguese Society of Cardiology Gaia Hospital Centre & Gaia Private Hospital
Number of vacancies	24

Day 1 – 24th of October 2019

- 8h00m Registration & Welcome**
- 9h00m MSCT - Basic principles & technical developments
- 9h30m Topographic cardiac & coronary anatomy
- 9h50m Radiation in Cardiac CT
- 10h10m Contrast media in Cardiac CT
- 10h30m Indications for Cardiac CT
- 10h50m Coffee-break**
- 11h20m Patient preparation. Medication in Cardiac CT
- 11h40m Acquisition protocols. Optimization
- 12h00m Calcium Score
- 12h20m Coronary angiography
- 12h45m LUNCH**
- 14h30m PRACTICAL SESSIONS / “HANDS-ON”**
- Group A: Performing live CCTA studies. Protocols of acquisition and reconstruction.**
Expert mentoring in patient selection, patient preparation, scan planning and acquisition, data set reconstruction and scan interpretation (2 groups of 6 trainees):
- a) CHVNG (6)
 - b) HPG (6)
- Group B: Analyzing and interpreting CCTA studies. Post-processing.**
Hands-on workstation experience: 2 participants per workstation (rotation of 6 groups of 2 trainees):
1. Coronary angiography I
 2. Coronary angiography II
 3. Coronary angiography III
 4. Calcium Score & TAVI
 5. Valve disease & TAVI
 6. Aorta/TEVAR/LAA closure/EP studies
- 19h00m End of session**

Day 2 – 25th of October 2019

- 8h00m** **Overview of Day 1. Feedback forms.**
- 9h00m Visualization & Post-processing.
- 9h20m Quantification of volumes & function evaluation with MDCT.
- 9h40m Valve Evaluation. TAVI.
- 10h00m MDCT in AF: LAA closure / Pulmonary veins ablation.
- 10h20m Aorta. TEVAR.
- 10h40m** **Coffee-break**
- 11h10m Extra-cardiac findings.
- 11h30m New developments: Perfusion, FFR-CT, ...
- 11h50m Interpretation & reporting.
- 12h30m** **LUNCH**
- 14h30m** **PRACTICAL SESSIONS / “HANDS-ON”**
- Group A:** **Analyzing and interpreting CCTA studies. Post-processing.**
Hands-on workstation experience: 2 participants per workstation
(rotation of 6 groups of 2 trainees):
1. Coronary angiography I
 2. Coronary angiography II
 3. Coronary angiography III
 4. *Calcium Score* & TAVI
 5. Valve disease & TAVI
 6. Aorta/TEVAR/LAA closure/EP studies
- Group B:** **Performing live CCTA studies**
Protocols of acquisition and reconstruction
Expert mentoring in patient selection, patient preparation, scan planning and acquisition, data set reconstruction and scan interpretation (2 groups of 6 trainees):
- a) CHVNG (6)
 - b) HPG (6)
- 19h00m** **End of session**

Day 3 – 26th of October 2019

- 8h00m** **Overview of Day 2. Feedback forms. Software overview.**
- 9h00m Tutorized Case Reading (I).
Correlation with invasive coronary angiography
Hands-on workstation experience: 2 participants per workstation.
- 10h40m** **Coffee-break**
- 11h00m Tutorized Case Reading (II).
Correlation with invasive coronary angiography
Hands-on workstation experience: 2 participants per workstation.
- 12h30m CCT Evaluation: self-test MCQs (30-45 min)
Answers and Discussions
- 14h00m** **Course adjourn and evaluation**

Participants must be present in all the course sessions and to fill the case-logbook in order to obtain the course certificate

LIMITED TO A MAXIMUM OF 24 PARTICIPANTS