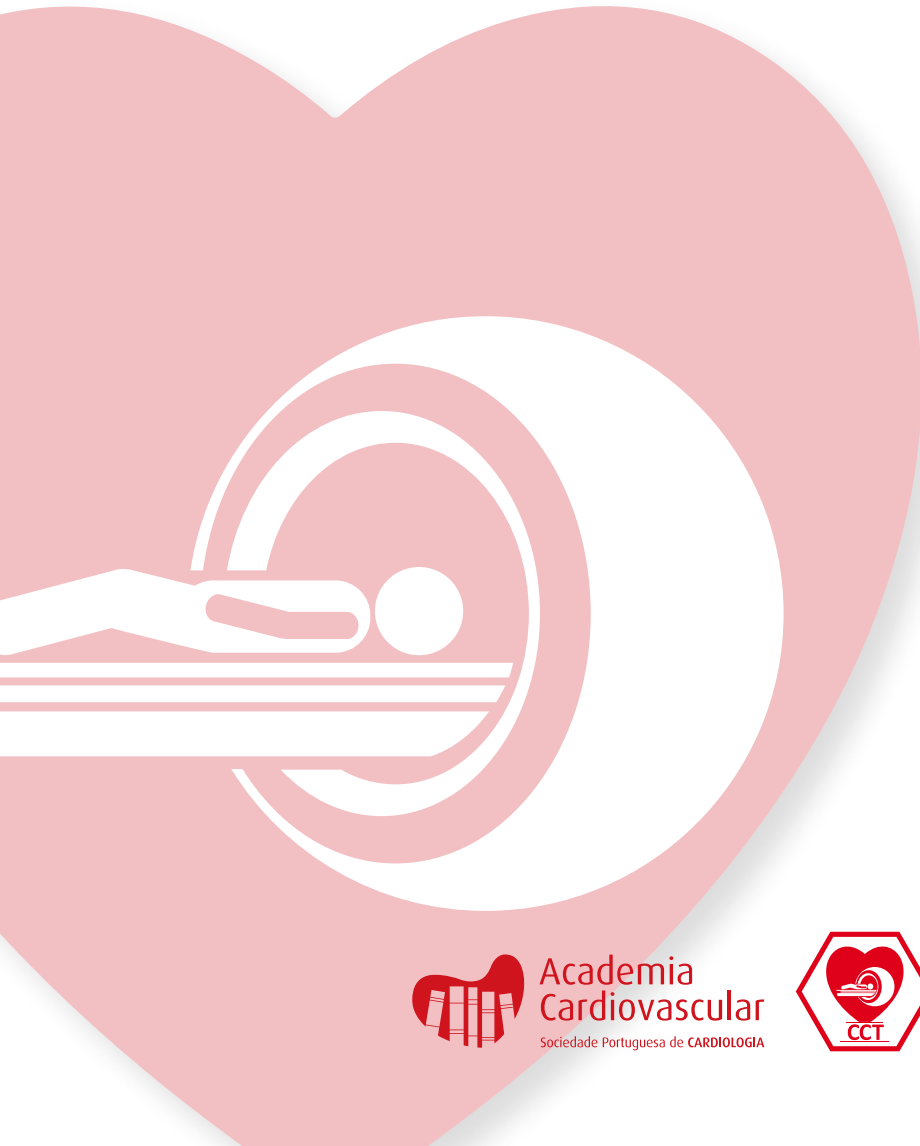


PORTO CCT

Level 1 Course

ACADEMIA CARDIOVASCULAR
Sociedade Portuguesa de CARDIOLOGIA



Academia
Cardiovascular
Sociedade Portuguesa de CARDIOLOGIA



ACADEMIA CARDIOVASCULAR
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PORTO CCT
Level 1 Course

08h00 - Registration & Welcome

08h30 - Introduction to the course: Learning objectives & evaluation

08h40 - MDCT: Basic principles & technical developments.

09h10 - Radiation in Cardiac CT

09h40 - Contrast media in Cardiac CT.

10h00 - Topographic cardiac & coronary anatomy

10h20 - Coffee-break

10h50 - Indications for Cardiac CT.

11h10 - Patient preparation. Medication in Cardiac CT.

11h30 - Acquisition protocols. Optimization.

11h50 - Calcium Score.

12h10 - Coronary angiography.

12h30 - Lunch

14h30 - 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):

☒ ☒ ☒ (6)
☒ ☒ ☒ 2 (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 - Calcium Scoring (Coronary & Aortic valve)
- 2 - Native coronary angiography
- 3 - Coronary stents & bypass grafts evaluation
- 4 - TAVI planning, Aorta & Extracardiac findings
- 5 - Cardiac CT analysis using Aquarius
- 6- TAVI planning

19h00 - End of session

Day 2 – 27th of October 2023

08h00 - Overview of Day 1

08h30 - Feedback forms. Groups distribution.

08h40 - Visualization & Post-processing.

09h00 - Quantification of volumes & function evaluation.

09h20 - Valve Evaluation. TAVI.

09h50 - MDCT in AF: LAA closure/Pulmonary veins ablation.

10h10 - Aorta. TEVAR.

10h30 - Coffee-break

11h00 - Extra-cardiac findings.

11h30 - New developments: Perfusion, FFR-CT, ...

11h50 - Interpretation & reporting.

12h30 - Lunch

14h30 - 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 - Calcium Scoring (Coronary & Aortic valve)
- 2 - Native coronary angiography
- 3 - Coronary stents & bypass grafts evaluation
- 4 - TAVI planning, Aorta & Extracardiac findings
- 5 - Cardiac CT analysis using Aquarius
- 6 - TAVI planning

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):

- c) Hospital 1. (6)
- d) Hospital 2. (6)

19h00 - End of session

Day 3 – 28th of October 2023

08h00 - Overview of Day 2. Feedback forms. Software overview

09h00 - Tutorized Case Reading (I).

Correlation with invasive coronary angiography
Hands-on workstation experience: 2 participants per workstation.

10h40 - Coffee-break

11h00 - Tutorized Case Reading (II).

Correlation with invasive coronary angiography
Hands-on workstation experience: 2 participants per workstation.

12h30 - CCT Evaluation: self-test MCQs (30-45 min)

Answers and Discussions

14h00 - 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



Endorsed by the Society of Cardiovascular Computed Tomography, the professional society devoted exclusively to cardiovascular CT.

SCCT has no involvement with the organization or administration of this course. SCCT endorses this content as relevant and to benefit to the cardiovascular computed tomography community.



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