



2026

VI MADRID CARDIAC CT ACADEMY (SPECTRAL) LEVEL 1-2



Intensive CCT course
Same program – More focused format
100 % Online English edition

Presidents: Dr. Castellaccio / Dr. Almeida / Dr. Vañó

COURSE PRESENTATION

Dear colleagues,
Join us for the **6th MADRID CARDIAC CT (SPECTRAL) ACADEMY**, taking place from September 21 to 25, 2026 – **a fully live, online, interactive hands-on course in cardiac CT imaging.**

This hands-on course is designed for those physicians who wish to acquire or enhance their knowledge in cardiac CT through independent interpretation of numerous cases, under the supervision of **EACVI LEVEL 3 Expert Physicians** with extensive experience in this field.

A minimum of 150 cases will be reviewed, while simultaneously helping towards meeting the requirements for the international **Level 2** certification “Independent Practitioner” from **EACVI** (practical part – logbook). A broad spectrum of cardiac pathologies will be covered, from atherosclerotic disease to congenital/post-surgical pathology with comparisons to FFR-CT and invasive angiography. Concepts and utility of spectral CT in cardiovascular imaging will also be taught.

- 5 + 1 days fully online hands-on course organized by PRECISION IMAGING S.L.
- Supervised by Expert physicians in Cardiac CT (EACVI Level 3)
- Language: English
- Based on cases with lectures by Expert speakers in cardiac imaging
- Individual advanced workstation (limited number of students)
- Multivendor
- Each student will independently report at least 150 cases, certified through a logbook, helping towards meeting the requirements for **EACVI LEVEL 2** (except for live cases – check the requirements on the EACVI-CCT webpage)
- Ideal for Radiologists and Cardiologists
- Pre-course online live session and materials
- Pre-TEST and Final TEST
- Web: <https://cardiac.academy>
- 30 teaching hours, certified with:
30 CPD credits and 3 ECTS credits (UFV)
- **SEICAT endorsed**

Program and lectures are based on recent ESC Guidelines and ESC constituent bodies consensus documents.



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LEARNING OBJECTIVES

- Learn how to perform a cardiac CT study, including when and how to use various existing protocols.
- Optimize *radiation dose*
- Understand cardiac and coronary anatomy and how to assess coronary atherosclerotic disease.
- Familiarize yourself with CAD RADS 2.0.
- Learn how to perform and interpret pre-TAVI studies.
- Recognize and interpret studies related to congenital heart disease and post-surgical conditions.
- Become proficient in using an advanced Workstation.
- Gain knowledge about the utility and advantages of spectral CT in cardiovascular imaging (PHILIPS).
- Boost confidence, understanding, and capability to work independently while simultaneously helping towards meeting the requirements for the international **EACVI CCT LEVEL 2 certification** (check the requirements on the EACVI-CCT webpage)

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PROFESSORS

Course Directors

Dr. Antonio Castellaccio (EACVI Level 3)

Head of Cardiovascular radiology section

Hospital Universitario Nuestra Señora del Rosario, Madrid

Dr. Nicolas Almeida (EACVI Level 3)

Head of Thoracic radiology section

Hospital Universitario Nuestra Señora del Rosario, Madrid

Dr. Eliseo Vañó

Chief of Radiology department

Hospital Universitario Nuestra Señora del Rosario, Madrid

Co-organiser and Professor

Dr. José Luis Zamorano (EACVI honorary member)

Chief of Cardiology department

Hospital Univesitario Ramon y Cajal, Madrid

Professors

Dr. José Juan Gómez de Diego

Hospital Universitario Clínico San Carlos, Madrid

Dr. Emilio Cuesta

Head of Cardiovascular radiology section

Hospital Universitario La Paz, Madrid

Dra. Montserrat Bret

Hospital Universitario La Paz, Madrid

Dra. Beatriz Cabeza

Hospital Universitario Clínico San Carlos, Madrid

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PROGRAM – PRE COURSE (DAY 0) (PENDING)

*CEST HOUR – MADRID TIME

2.00 pm **Pre-test**

2.30 pm Learning how to use the workstation

3.00 pm Cardiac and coronary anatomy, standard nomenclature and cardiac dominance *with case session*

4.30 pm Calcium score *with case session*

5.30 pm Closure

Video recorded classes

Dr. Vañó: Calcium scoring

Dr. Almeida: Cardiac and coronary anatomy, standard nomenclature and cardiac dominance

Dr. Almeida: Basic concepts in cardiac CT

Dr. Castellaccio: Acquisition and contrast injection protocol

Dr. Vañó: Ischemia and viability with Spectral detector CT

Prof. Zamorano: Why do I need a Spectral CT in Cardiology?

Dr. Vañó: Medications and contraindications

Dr. Gomez de Diego: Anatomy and ischemia. Role of FFR-CT

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PROGRAM (DAY 1) – MONDAY, SEPTEMBER 21

*CEST HOUR – MADRID TIME

1.50 pm	Course presentation
2.00 pm	Dr. Castellaccio: Cardiac CT physics and characteristics and protocols
2.40 pm	Case session 1: Native coronary artery disease
4.00 pm	Break
4.30 pm	Dr. Castellaccio: Radiation and contrast dose optimization in CCTA
5.00 pm	Dr. Castellaccio: CAD-RADS 2.0 and reporting
5.30 pm	Case session 2: Native coronary artery disease
7.00 pm	Case session 3: test your knowledge
8.00 pm	Closure

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PROGRAM (DAY 2) – TUESDAY, SEPTEMBER 22

*CEST HOUR – MADRID TIME

2.00 pm	<i>Dr, Vañó: Spectral CT (Philips)</i>
2.30 pm	<i>Dr. Castellaccio: Artifacts, solutions and difficult cases</i>
3.00 pm	<i>Case session 4:</i> Native coronary artery disease
4.00 pm	Break
4.30 pm	<i>FFR-CT Based on Fluid Mechanics</i>
5.00 pm	<i>Case session 5:</i> Native coronary artery disease compared with FFR-CT
6.30 pm	<i>Case session 6:</i> Interactive quiz session
7.00 pm	<i>Case session 7:</i> test your knowledge
8.00 pm	Closure

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PROGRAM (DAY 3) – WEDNESDAY, SEPTEMBER 23

*CEST HOUR – MADRID TIME

2.00 pm	Dr. Almeida: Stents and by-pass grafts
2.30 pm	Case session 8: Stents and by-pass grafts
4.00 pm	Break
4.30 pm	Dr. Cuesta: Cardiac CT: role in cardiovascular interventions 1 (TAVI planning and related complications, and other devices...)
5.00 pm	Case session 9–10: TAVI and left appendage closure device
6.00 pm	Dr. Gómez de Diego: Cardiac CT: role in cardiovascular interventions 2 (left atrial appendage closure devices, and related complications and other devices...)
6.30 pm	Case session 11: Interactive quiz session
7.00 pm	Case session 12: test your knowledge
8.00 pm	Closure

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PROGRAM (DAY 4) – THURSDAY, SEPTEMBER 24

*CEST HOUR – MADRID TIME

2.00 pm	Dr. Almeida: Congenital coronary anomalies
2.30 pm	Case session 13: Congenital coronary anomalies
4.00 pm	Break
4.30 pm	Dr. Vañó: FFR-CT Based on AI
5.00 pm	Case session 14: Ischemia cases
6.00 pm	Case session 15: Interactive quiz session
6.30 pm	Dr. Bret: Congenital cardiomyopathies
7.00 pm	Case session 16: test your knowledge
8.00 pm	Closure

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PROGRAM (DAY 5) – FRIDAY, SEPTEMBER 25

*CEST HOUR – MADRID TIME

2.00 pm	Dr. Cabeza: Aortic Pathology and Acute aortic syndrome
2.30 pm	Case session 17: Miscellaneous (Including Spectral CT cases –Philips)
4.00 pm	Break
4.30 pm	FINAL TEST
5.00 pm	Case session 18: Other cardiac pathologies – extra-cardiac findings
6.30 pm	Case session 19: Interactive quiz session
7.00 pm	Case session 20: test your knowledge
8.00 pm	Closure

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SPONSORS

The Philips logo, consisting of the word "PHILIPS" in a bold, blue, sans-serif font.



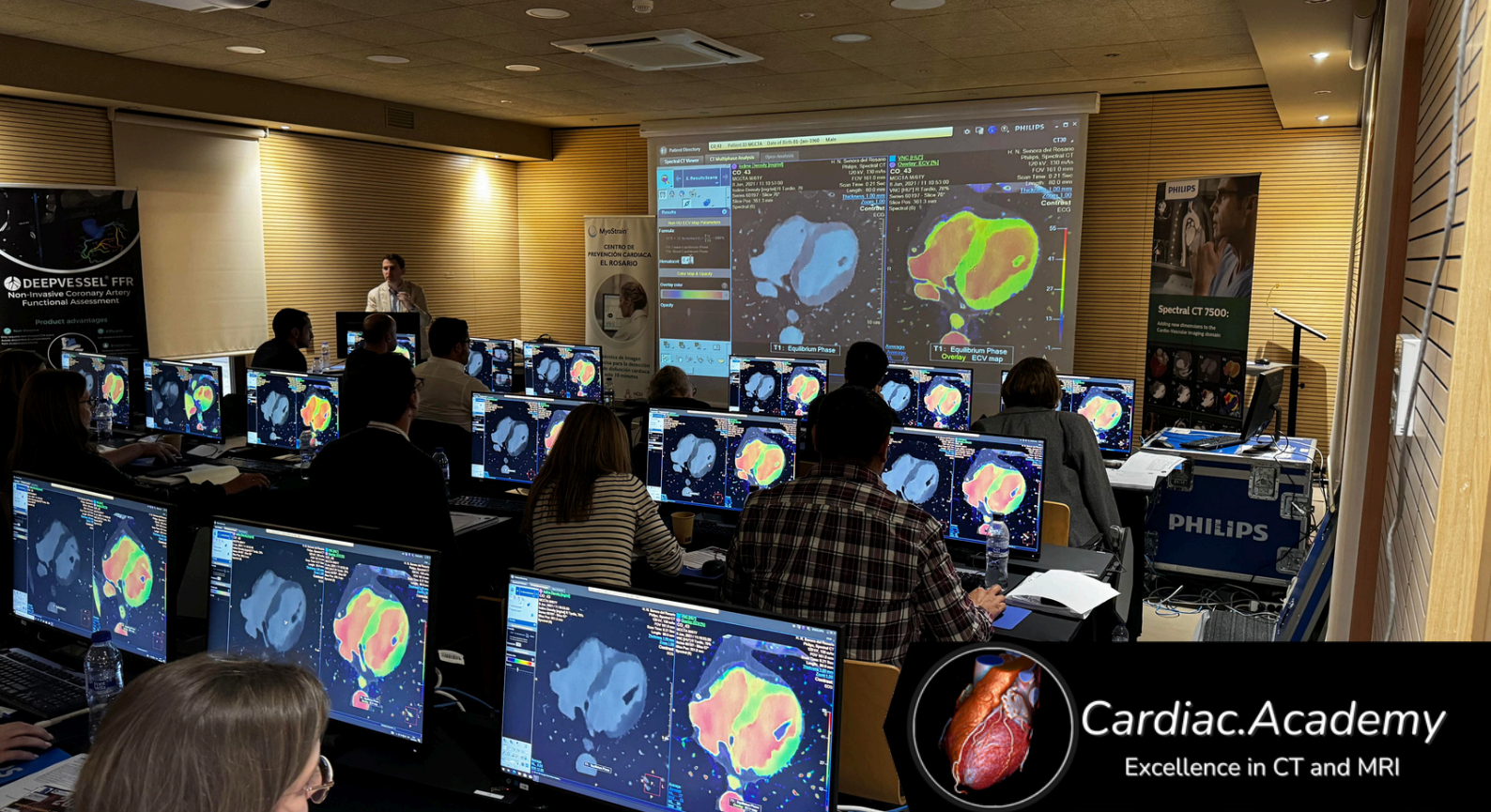
The cardiva logo, with the word "cardiva" in a red, lowercase, sans-serif font.



The Heartflow logo, featuring a stylized heart icon in blue and purple, followed by the word "Heartflow" in a white, sans-serif font on a black background.

COLLABORATORS





SELECTED ESC / EACVI GUIDELINES – CONSENSUS

- <https://www.escardio.org/Education/Career-Development/Certification/Cardiac-Computed-Tomography>
- Pontone G, Rossi A, Guglielmo M, Dweck MR, Gaemperli O, Nieman K, et al. Erratum: Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imaging – part I (European Heart Journal – Cardiovascular Imaging (2022) 23:3 (299–314) DOI: 10.1093/ehjci/jeab293). Eur Heart J Cardiovasc Imaging. 2022;23(6):E274.
- Pontone G, Rossi A, Guglielmo M, Dweck MR, Gaemperli O, Nieman K, et al. Clinical applications of cardiac computed tomography: a consensus paper of the European Association of Cardiovascular Imaging – part II. Eur Heart J Cardiovasc Imaging. 2022;23(4):E136–61.
- Neumann FJ, Sechtem U, Banning AP, Bonaros N, Bueno H, Bugiardini R, et al. 2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. Eur Heart J. 2020;41(3):407–77.
- Byrne RA, Rossello X, Coughlan JJ, Barbato E, Berry C, et al. 2023 ESC Guidelines for the management of acute coronary syndromes. Eur Heart J. 2023;3720–826.
- Edvardsen T, Asch FM, Davidson B, Delgado V, DeMaria A, Dilsizian V, et al. Non-Invasive Imaging in Coronary Syndromes: Recommendations of The European Association of Cardiovascular Imaging and the American Society of Echocardiography, in Collaboration with The American Society of Nuclear Cardiology, Society of Cardiovascular Computed Tomography, and Society for Cardiovascular Magnetic Resonance. J Cardiovasc Comput Tomogr. 2022;16(4):362–83.
- Gimelli A, Achenbach S, Buechel RR, Edvardsen T, Francone M, Gaemperli O, et al. Strategies for radiation dose reduction in nuclear cardiology and cardiac computed tomography imaging: A report from the European Association of Cardiovascular Imaging (EACVI), the Cardiovascular Committee of European Association of Nuclear Medicine (EANM), and the European Society of Cardiovascular Radiology (ESCR). Eur Heart J. 2018;39(4):286–94.