

# The European Examination in General Cardiology (EEGC)

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Thursday 5<sup>th</sup> March 2020



- **UEMS**
  - role in post-graduate education and assessment
- **EEGC**
  - purpose
  - development
  - what's new?

## Union of European Medical Specialists

- 37 national associations - Europe and associated countries
- 43 sections
- 1.6M medical specialists
- ensuring the highest quality of medical care
  - continuing medical education
  - quality assurance
  - post-graduate training




## Areas of Expertise

CME - CPD

Postgraduate Training

European Standards in Medical Training - ETRS

Competence-Based training and assessment

CESMA

Quality Assurance

## European Standards in Medical Training

Thanks to the support of its Specialist Sections and European Boards, the UEMS contributed significantly to the improvement of PGT especially through the development of European Curriculum in each medical specialties as well as the elaboration of Training Standards.

Back in 1994, the UEMS adopted its "Charter on Training of Medical Specialists" with an aim to outline the guiding principles for high level Medical Training.

Made up of six chapters, this Charter set the basis for the European approach in the field of Post Graduate Training. With five chapters being common to all specialties, this Charter provided a sixth chapter, known as "chapter 6", that each Specialist Section was to complete according to the specific needs of their discipline.

Over the last twenty years, the UEMS Specialist Sections, European Boards, Divisions and MJC's have continued working on developing these European Standards in Medical training that reflects modern medical practice and current scientific findings. In doing so, the UEMS Specialist Sections and European Boards did not aim to supersede the National Authorities' competence in defining the content of postgraduate training in their own State but rather to complement these and ensure that high quality training is provided across Europe.



UEMS in focus Training Requirements adopted by UEMS Council:

- UEMS 2017/07 European Training Requirements in Sports Medicine.pdf
- UEMS 2017/04 European Training Requirements in Health Geography.pdf
- UEMS 2017/02 European Training Requirements in Pediatric Emergency Medicine.pdf
- UEMS 2016/04 European Training Requirements in Geriatrics.pdf
- UEMS 2016/03 European Training Requirements in Allergy.pdf
- UEMS 2016/02 European Training Requirements in Dermatology.pdf
- UEMS 2015/03 European Training Requirements in Endocrinology.pdf
- UEMS 2015/02 European Training Requirements in Pediatric Gastroenterology.pdf
- UEMS 2015/01 European Training Requirements in Pediatric Gastroenterology.pdf
- UEMS 2014/03 European Training Requirements in Radiology.pdf
- UEMS 2014/02 European Training Requirements in Thoracic Surgery.pdf
- UEMS 2014/01 European Training Requirements in Vascular Surgery.pdf
- UEMS 2013/04 European Training Requirements in Medical Oncology.pdf
- UEMS 2013/03 European Training Requirements in Pediatric Oncology.pdf
- UEMS 2013/02 European Training Requirements in Pediatric Oncology.pdf
- UEMS 2013/01 European Training Requirements in Pediatric Oncology.pdf
- UEMS 2012/04 European Training Requirements in Pediatric Oncology.pdf
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- UEMS 2000/01 European Training Requirements in Pediatric Oncology.pdf



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## Quality Assurance

## The Council for European Specialists Medical Assessment

The CESMA is an advisory body of the UEMS created in 2007 with an aim to provide recommendation and advice on the organisation of European examinations for medical specialists at the European level.

It was called in the beginning the "Glasgow group" referring to the first meeting held in Glasgow. It was then decided to adopt the name CESME (Council of European Specialist Medical Examinations). This name was finally changed to CESMA (Council of European Specialist Medical Assessment)

Its main role is to:

- To promote harmonisation of European Board assessments
- To provide guidelines to the Boards on the conduct of assessments
- To encourage take up of Board assessments as a quality mark
- To offer an alternative to National assessments, where appropriate

The CESMA adopted in Glasgow a declaration setting the basic rules governing European Examinations. The "[Glasgow Declaration](#)" was signed by the following UEMS Specialist Sections: Neurosurgery; Nuclear Medicine; Orthopaedics and Traumatology; Paediatric Surgery; Pathology; Plastic, Reconstructive and Aesthetic Surgery; Pneumology; Urology and Vascular Surgery



In 1984 the first European Diploma Examination was established. This was the EDA European Diploma of Anaesthesiology. Today more than 30 disciplines have European Examinations:

1. Allergy and Clinical Immunology
2. Anesthesiology
3. Cardiology
4. Clinical Genetics
5. Dermatology & Venereology
6. Otorhinolaryngology
7. Hand Surgery
8. Intensive Care
9. Internal Medicine
10. Neurology
11. Neurosurgery
12. Nuclear Medicine
13. Ophthalmology
14. Oromaxillofacial Surgery
15. Orthopaedics and Traumatology
16. Pathology
17. Pediatric Surgery
18. Physical and Rehabilitation Medicine
19. Plastic, Reconstructive and Aesthetic Surgery
20. Radiology
21. Respiratory Medicine
22. Surgery (General Surgery)
23. Coleproctology
24. Endocrine Surgery
25. Surgical Oncology
26. Thoracic Surgery
27. Transplantation
28. Trauma Surgery
29. Thoracic and Cardiovascular Surgery
30. Urology
31. Vascular Surgery
32. Angiology
33. Emergency Medicine
34. Obstetrics and Gynaecology

# European Exam in General Cardiology EEGC



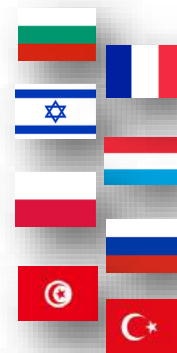
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- Austria *enrolled*
- Cyprus *enrolled*
- Finland *enrolled*
- Germany *enrolled*
- Greece *enrolled*
- Ireland *enrolled*
- Latvia *enrolled*



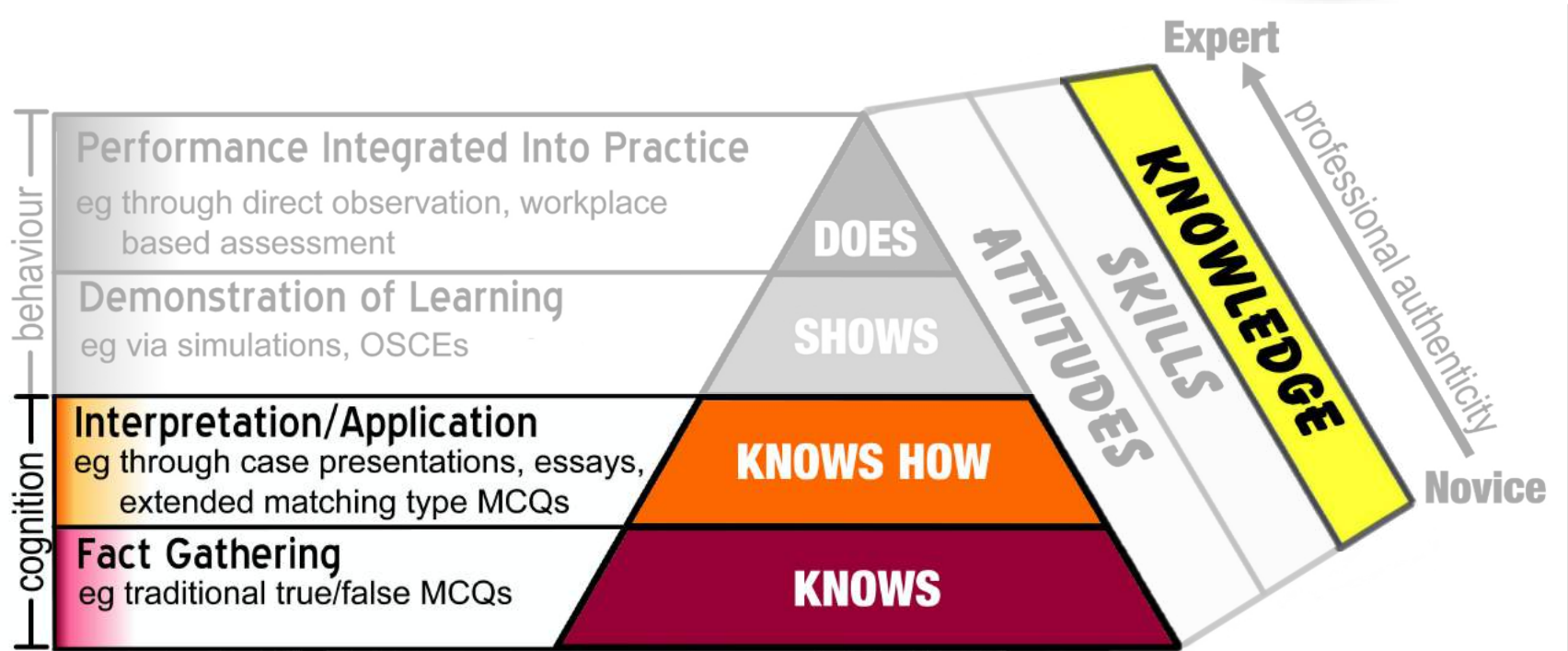
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- Malta *enrolled*
- Netherlands *enrolled*
- Portugal *enrolled*
- Spain *enrolled*
- Sweden *enrolled*
- Switzerland *enrolled*
- UK *enrolled*



- Bulgaria
- France
- Israel
- Luxembourg
- Poland
- Russian Federation
- Tunisia
- Turkey
- Asian Pacific Society of Cardiology

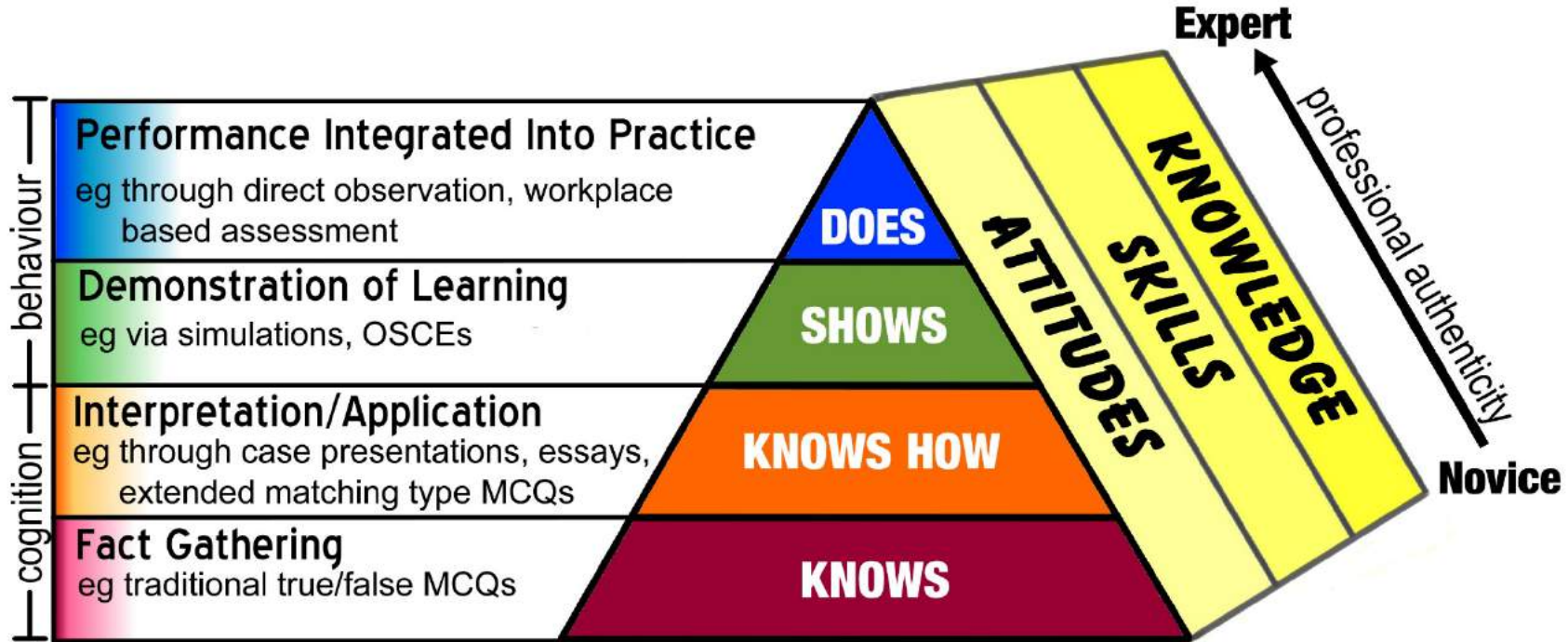


# EEGC - purpose





# EEGC - purpose





# EEGC - purpose



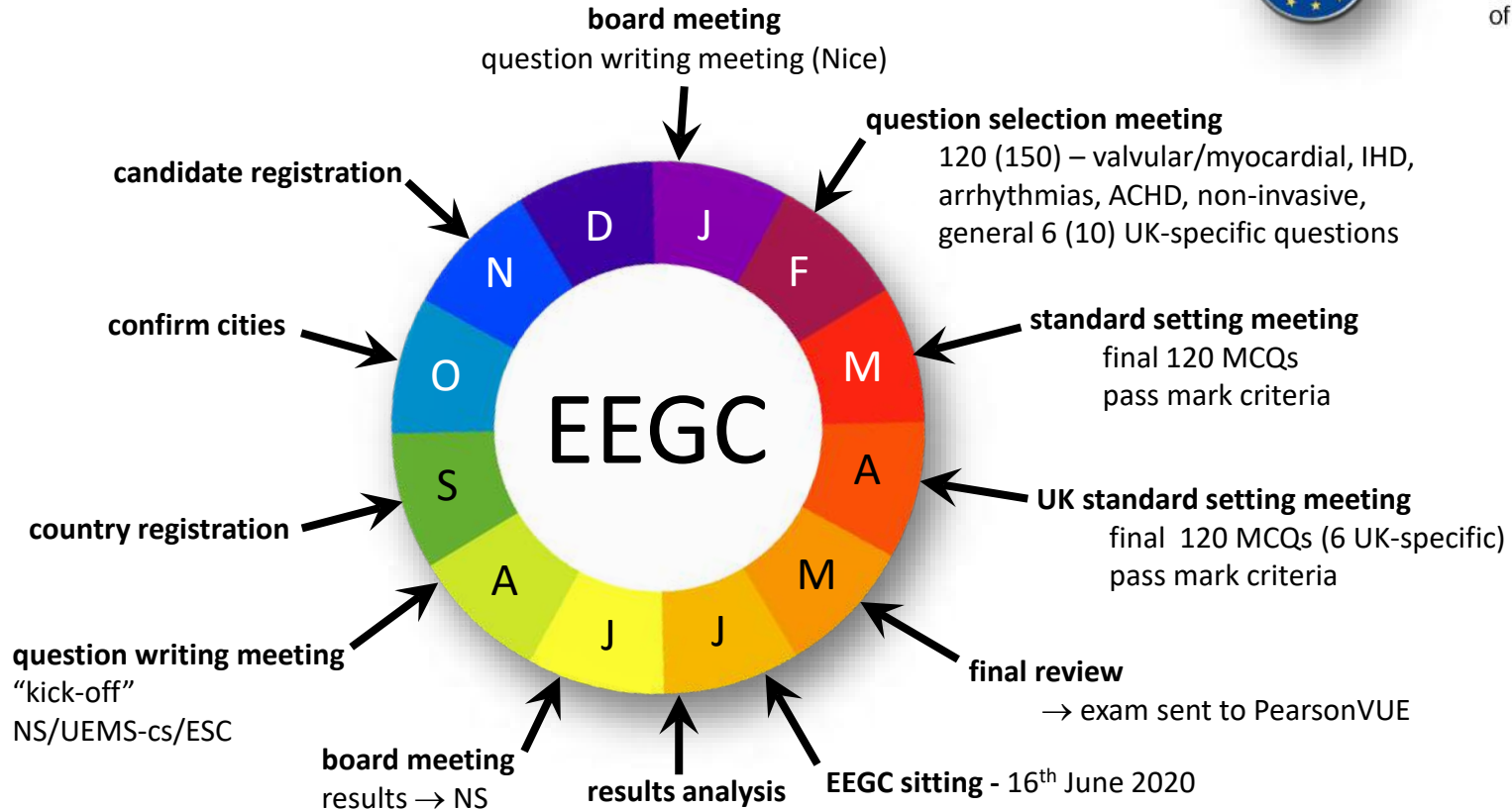
- test application of knowledge across ESC core curriculum
  - current best evidence ESC guidance, textbook, published clinical studies
- appropriate for independent practice in core cardiology
- wide range of investigation, treatment and prevention
  - interpretation of images (e.g. ECG, x-ray, CT) and video (e.g. echocardiography, cardiac MRI) central to clinical practice
- maximise collaboration
- maximise accessibility
- minimise costs (time and financial) to candidates

# EEGC - development

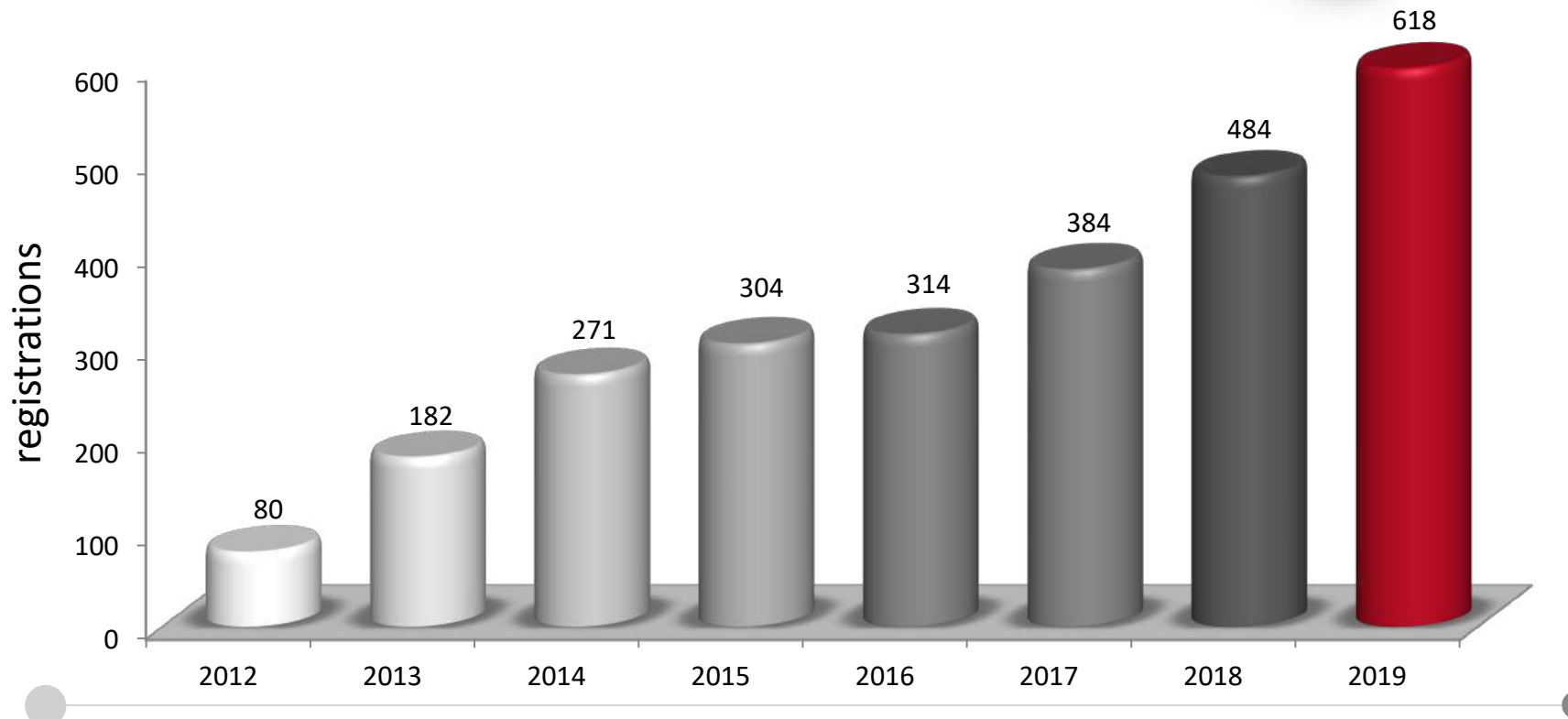


- annual
- English
- 120 cardiology scenario → question → best of 5 answers
  - strict methodology and style
  - “as short as possible” to test the point of knowledge
  - 70% text
  - 20% image
  - 10% video
  - 3 hours
  - computer terminals in PearsonVUE centres

# EEGC - development



# EEGC – development



# EEGC – what's new ?

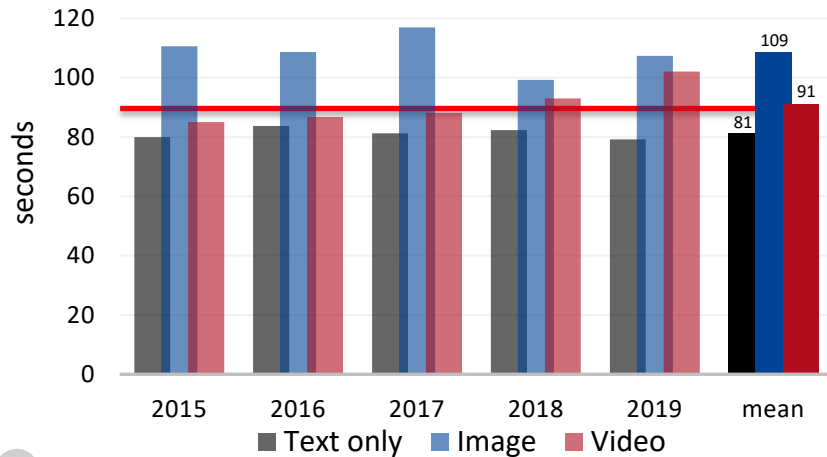


- ESC core curriculum collaboration
- collaboration with other cardiology exams
- alignment with other speciality exams
- expansion – new countries
- on-line development and collaboration
- research
- learner support module

# EEGC – research



- 1951 candidates have taken the exam over 5-years
- 234,120 candidate responses and times analysed
- 5853 hours in total



	number of candidates	English first language mean (SD)	English not first language mean (SD)	p
2015	276	67.8 (21.1)	60.4 (20.8)	n/s
2016	293	65.9 (21.8)	63.5 (19.5)	n/s
2017	360	63.8 (23.9)	63.2 (23.5)	n/s
2018	447	65.6 (22.3)	62.0 (20.8)	n/s
2019	575	65.1 (24.3)	62.2 (21.8)	n/s

# EEGC – learner support



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## ESCeL

ESC e-Learning Platform



European Society  
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Home Knowledge Education at ESC

### ESC Clinical Case Gallery

This aim of this gallery is to present real and typical clinical scenarios, discuss findings and management in the light of current ESC recommendations and follow the clinical course of the case.

1 2 3

### NEW

ESGeL Home

MY LEARNING DASHBOARD [Edit](#)

[EEGC All you wanted to know](#)  
(password access)

[ESC Clinical Practice Guidelines - CME Questions](#)

[ESC General Cardiology Continuing Professional Development Programme](#)

[Webinars on demand](#)

[CATCH ME Educational Courses](#)

[eduCAD Clinical Cases](#)

### Content Overview

#### Knowledge

[Online Courses](#)

The EEGC e-learning programme aims to make you more familiar with all the components of the exam. From its structure, to the format of its MCQs, to the logistics involved, and the topics it covers. The average study time for this programme is between 50 to 100 hours over the course of 24 weeks. The programme is composed of 9 modules including 2 mock exams.


Our mission: To reduce the burden of cardiovascular disease.  
[More about the European Society of Cardiology](#)

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## ESCeL

ESC e-Learning Platform



European Society  
of Cardiology

### About the European Examination in General Cardiology (EEGC)...

Nilshee Brock, Kevin F. Fox, Chris Plummer, Alessandro Sarti

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- Learning Objectives
- Message from Kevin Fox - Level of Task Force on Certification of the ESCC Education Committee
- Message from Chris Plummer - EEGC based (development and UEM) development for setting
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- What Paper? How to succeed in the EEGC
- Message from Anja Durr - EEGC EEGC Selection Committee chairperson
- The EEGC Question Selection Group
- Message from Alessandro Sarti - EEGC MCQ Writing Committee chairperson
- The EEGC Question Writing Group
- Message from Christian Lawson - EEGC Standard Setting Committee chairperson
- The EEGC Standard Setting Group
- Message from Stephanie Tillack - ESC Certification manager
- The EEGC Logistics
- Information from裴宗源 via
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- Summary

### Test your knowledge

Question 1 of 5 [Next Question](#)

A 33-year-old female cardiologist trainee from Germany has registered for the European Exam in General Cardiology (EEGC).

What is the best description of the questions she will see in the exam?

- a. 70% contain text only, 20% also contain still images and 10% contain media clips
- b. 75% have been used in the previous year's exam
- c. They are set by 10 cardiologists who separately write 12 MCQs each
- d. If they are written in English, German and French
- e. They must be completed in 8 hours

[Submit Answer](#)

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# questions ?

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<https://esc365.escardio.org/>  
<http://dx.doi.org/10.1136/heartjnl-2018-314495>