



SCG UEMS/BMG EBMG

Achievements and ongoing tasks

Béla Melegh

29 May, 2017

Annual NHGS meeting

Copenhagen, ESHG



EUROPEAN UNION OF MEDICAL SPECIALISTS
SECTION OF CLINICAL GENETICS



EUROPEAN BOARD OF MEDICAL GENETICS
BRANCH OF CLINICAL GENETICISTS

Key players in the medical education & professional development (CME/CPD) in clinical genetics

ESHG (scientific organization)

EBMG (3 non-independent Branches)

UEMS (*exams are ratified by the EU nations*)

UEMS STRUCTURE



Council's Missions :

- **Setting and promoting** high quality Training and medical practice standards
- **Representing of** Specialists
- **Advocating** of Professional interests

Executive's Missions :

- Implement** the Council's decisions
- Represent UEMS** at EU level
- Ensure smooth running** of UEMS
- Maintain close relations** with UEMS Bodies

GENERAL ASSEMBLY:

37 National Associations of Medical Specialists
Representing 1.6 million specialists

UEMS Executive

UEMS Bodies

43 Specialist Sections

14 Multidisciplinary Joint Committees

3 Thematic Federations

European Boards

Divisions

Working Groups

CME-CPD

E-health

Postgraduate training

Specialist Practice & Quality of Care

Standing Committees

CME-CPD

Postgraduate training

Quality Assurance

EACCME

ECAMSQ



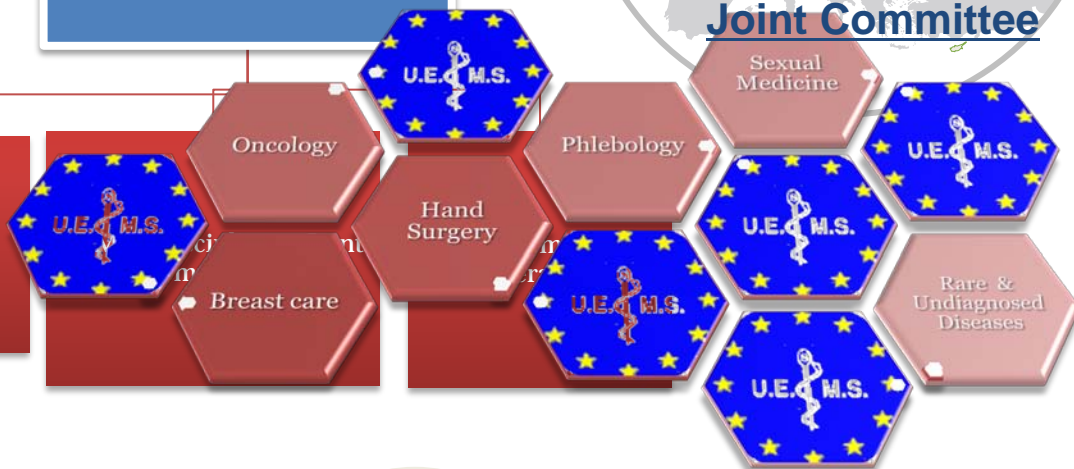


Sections

43 Specialist Sections & European Boards
21 divisions within Sections
14 Multidisciplinary Joint Committees
3 thematic federations

UEMS Bodies

43 Specialist Sections



Multidisciplinary Joint Committee

European Boards

Divisions

European Board

Scientific Society

European Board

Role :
Specialty Representation & standards setting





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Achievements and ongoing tasks

- Basics (connections with CESMA and EACCME)
 - "Collaboration with other healthcare professionals"
 - "Development of a training module for reviewers"
- Name change (Medical Genetics and Genomics)
- MJC of Rare and Undiagnosed Diseases
- ERN (European Reference Network)
- ETR (European Training Requirement)
- Launch the European Examination in Medical Genetics

Kickoff meeting of Multidisciplinary Joint Committee of Rare and Undiagnosed Diseases (MJC RUD); European Union of Medical Specialties (UEMS).
Brussels, 20th October, 2016



1	Contact List								
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GLASGOW DECLARATION

Representatives of the following UEMS Sections/Boards met in Glasgow on the 9th February 2007 and unanimously agreed the following:

1. The role of European Board Examinations is complementary to National Examinations where they exist.
2. Countries which do not have their own examination are encouraged to consider using the appropriate European Board Examinations.
3. European Board Examinations are regarded as a quality mark for safe independent practice at the end of specialist training.
4. All European Board Examinations shall publish both a syllabus and minimum requirements for examination.
5. Candidates for examination should be certified specialist or have been trained according to the relevant syllabus.
6. A trainee may sit the final part of a European Board Examinations provided they have fulfilled the requirements of their national training body where one exists or when approaching the end of the training.
7. Candidates of any nationality shall be eligible to sit the European Board Examinations.
8. Candidates who pass a European Board Examination and who are certified specialists in an EU/UEMS member state may call themselves "Fellow of the European Board". Other successful candidates will be "European Board Certified".
9. Trade sponsorship should not be used to subsidise the examination.
10. It is proposed to establish a Council for European Specialist Medical Examinations (CESME) as an advisory body to the UEMS and its sections.

Neurosurgery
Nuclear Medicine
Orthopaedics and Traumatology
Paediatric Surgery
Pathology
Plastic, Reconstructive and Aesthetic Surgery
Pneumology
Urology
Vascular Surgery

The Council for European Specialists Medical Assessment (CESMA) Existing EU Exams

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



1., ETR (UEMS 2017/06)

General arrangement; 12 pages; special care on skills and competencies; Clinical and laboratory; 4/5 yrs of training

2., Description of Clinical Genetics as a Medical Specialty in EU (UEMS 2017/06A)

Revision of the 2009 yrs UEMS document; (6 pages)

3., Syllabus (UEMS 2017/06/B)

18 pages; 5 Domains: 1. Theoretical genetics / Basic science; 2. Clinical/Medical knowledge and specialist-level skills; 3. Genetic counselling and communication skills; 4. Laboratory skills; 5. Ancillary competences

Future steps

- Details of the EU exams
 - documents, commettes
- Partnering
 - ESHG? EBMG? "European Academy of Medical Genetics and Genomics"?
- Scheduling
 - June: EU Neurology Exam; 2-3 confcall and physical meetings in 2017 and 18; 2018 (?) Milano



UNION EUROPÉENNE DES MÉDECINS SPÉCIALISTES - EUROPEAN UNION OF MEDICAL SPECIALISTS

SECTION OF CLINICAL GENETICS



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President



Kristiina Aittomäki
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ESHG Board member



Helen Kingston
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CESMA
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André Reis
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EACCME
ESHG Board member



Alessandra Renieri
Vice President

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Needs to establish a “COMMON BACKGROUND”



Define ***common tools*** and ***strategies***



COLLABORATIVE endeavors

for specific ***common tools and strategies in
continuing medical education***

ETR

(UEMS 2017/06)

General arrangement

12 pages

Special care on skills and competencies

Clinical and laboratory

4/5 yrs of training

Description of Clinical Genetics as a Medical Specialty in EU (UEMS 2017/06A)

- Revision of the 2009 yrs UEMS document
(6 pages)



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UEMS 2009 / 15

Description of Clinical Genetics as a medical specialty in EU Aims and objectives for specialist training

*Endorsed by: The European Society of Human Genetics board and membership (2007)
The UEMS Multidisciplinary Joint Committee for Clinical Genetics (Jan 21, 2009)
The UEMS Specialist Sections & European Boards (Feb 21, 2009)*

Adopted by: The UEMS Council (April 25, 2009)

Specialty Profile

Clinical Genetics describes the medical elements of Genetics Services provided to individuals and families (and sometimes populations). Other components include laboratory genetics (cytogenetics, molecular genetics, and biochemical genetics), genetic counselling and academic genetics. The core activities of a genetic service can be defined as 'integrated clinical and laboratory services, provided for those with/concerned about a disorder with a significant genetic component (both inherited and sporadic). Due to the sharing of genes



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UEMS ~~2009/-15~~2016/xx

Description of Clinical Genetics as a medical specialty in EU Aims and objectives for specialist training

Endorsed by: The ~~European Society of Human Genetics board and membership (2007)~~
The UEMS ~~Multidisciplinary Joint Committee for Clinical Genetics (Jan~~ SCG Board and SCG
Section Meetings (21, ~~2009~~ May, 2016, Barcelona)
~~The UEMS Specialist Sections & European Boards (Feb 21, 2009)~~

Adopted by: The UEMS Council (~~April 25, 2009~~ April, 2017, Tel Aviv)

Specialty Profile



UNION EUROPÉENNE DES MÉDECINS SPÉCIALISTES EUROPEAN UNION OF MEDICAL SPECIALISTS

Association internationale sans but lucratif

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UEMS2017/06B

Syllabus for residents and trainees in Clinical Genetics

This syllabus is an outline and flexible summary of major and specific topics to be covered in some way in the training course of a resident. The basic goal of the syllabus is to help and ensure a fair and impartial understanding between the instructor and students such that there is minimal confusion in the topics, setting clear expectations of material to be learned. The syllabus provides neither a roadmap of course, nor organization/direction relaying the instructor's teaching philosophy to the trainees, as the syllabus is not a learning guide. Rather, the syllabus is a supporting reference material, content and priorities of training may vary in different training institutions.

Domain 1: Theoretical genetics / Basic science

1.1 Cellular and molecular mechanisms that underpin human inheritance

1.1.1 Basics

- 1.1.1.1 Nucleic acid structure, DNA and RNAs
- 1.1.1.2 Translation, protein structure
- 1.1.1.3 Chromosome structure and function (ploidy and cell cycle)
- 1.1.1.4 Monogenic vs. multifactorial inheritance
- 1.1.1.5 Mutations, variants, CNV
- 1.1.1.6 Cells, cell proliferation, cell specialization
- 1.1.1.7 Nuclear and mitochondrial genome
- 1.1.1.8 Gene editing, CRISPR

This syllabus is an outline and flexible summary of major and specific topics to be covered in some way in the training course of a resident. The basic goal of the syllabus is to help and ensure a fair and impartial understanding between the instructor and students such that there is minimal confusion in the topics, setting clear expectations of material to be learned. The syllabus provides neither a roadmap of course, nor organization/direction relaying the instructor's teaching philosophy to the trainees, as the syllabus is not a learning guide. Rather, the syllabus is a supporting reference material, content and priorities of training may vary in different training institutions.

Syllabus

(UEMS 2017/06/B)

Domains (18 pages):

- *1., Theoretical genetics / Basic science*
- *2., Clinical/Medical knowledge and specialist-level skills*
- *3., Genetic counselling and communication skills*
- *4., Laboratory skills*
- *5., Ancillary competences*



Workshop on Preparation of European Joint Programme Co-fund on Rare Diseases

Presentation of the European Reference Network (ERNs)

Luca Sangiorgi

April 25th 2017, Bruxelles



Needs to establish a “COMMON BACKGROUND”?



Define ***common tools*** and ***strategies***



From ***competitive*** to **COLLABORATIVE** calls
for specific ***common tools and strategies***



SCG UEMS/BMG EBMG

Achievements and ongoing tasks

- Basics (connections with CESMA and EACCME)
 - "Collaboration with other healthcare professionals"
 - "Development of a training module for reviewers"
- Name change (Medical Genetics and Genomics)
- MJC of Rare and Undiagnosed Diseases
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- Launch the European Examination in Medical Genetics

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:

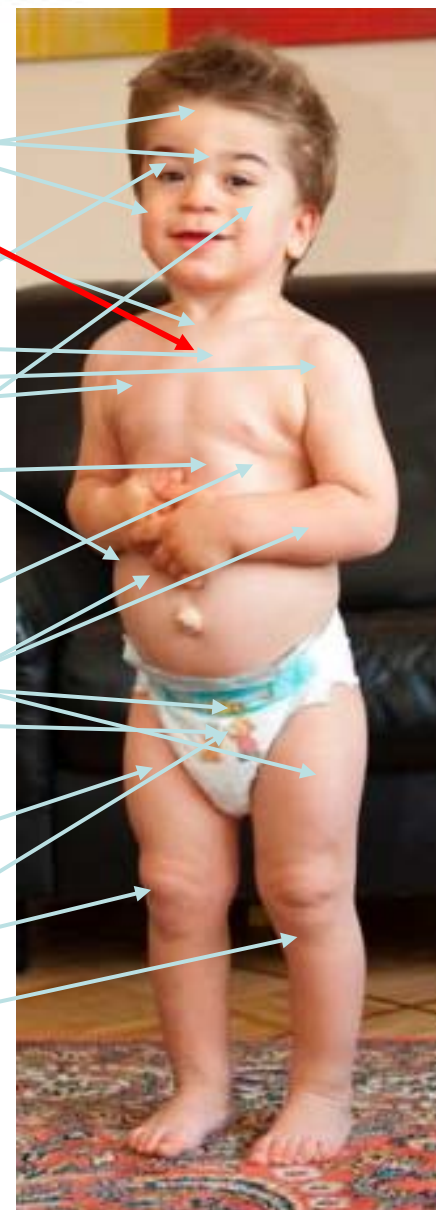
- To promote harmonisation of European Board assessments
- To provide guidelines to the Boards on the conduct of assessments
- To encourage take up of Board assessments as a quality mark
- To offer an alternative to National assessments, where appropriate

Why ERNs need to collaborate?



European
Reference
Networks

1. ERN BOND
2. ERN CRANIO
3. Endo-ERN
4. ERN EpiCARE
5. ERKNet
6. ERN RND
7. ERNICA
8. ERN LUNG
9. ERN Skin
10. ERN EURACAN
11. ERN EuroBloodNet
12. ERN EURO-NMD
13. ERN EYE
14. ERN GENTURIS
15. ERN GUARD-HEART
16. ERN ITHACA
17. MetabERN
18. ERN PaedCan
19. ERN RARE-LIVER
20. ERN ReCONNET
21. ERN RITA
22. ERN TRANSPLANT-CHILD
23. VASCERN
24. ERN eUROGEN





THE ERN INTERACTOME

1. ERNs COORDINATION
2. PATIENT COMMITMENT
3. DISEASE IDENTIFICATION
4. **REGISTRY**
5. **DATA SHARING**
6. COMUNICATION/AWARENESS
7. **EDUCATION**
8. **SHARED VIRTUAL COUNSELLING**
9. NETWORK OF SPECIALISTS
10. INSTITUTIONAL STAKEHOLDERS
11. PAYERS
12. NATIONAL HEALTH SYSTEMS/NPRD
13. RESEARCH COORDINATION
14. GUIDELINES/PATIENT PATHWAYS
15. STANDARD OPERATING PROCEDURES
16. QUALITY INDICATORS

