SCG UEMS/BMG EBMG
Achievements and ongoing tasks

Béla Melegh
29 May, 2017
Annual NHGS meeting
Copenhagen, ESHG
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**

**General Assembly:**
- 37 National Associations of Medical Specialists
- Representing 1.6 million specialists

**UEMS Executive:**
- Setting and promoting high quality Training and medical practice standards
- Representing Specialists
- Advocating 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

**Standing Committees**
- CME-CPD
- Postgraduate training
- Quality Assurance

**Working Groups**
- CME-CPD
- E-health
- Postgraduate training
- Specialist Practice & Quality of Care

**UEMS Bodies**
- 43 Specialist Sections
- 14 Multidisciplinary Joint Committees
- 3 Thematic Federations

**European Boards & Divisions**
- **Specialty Representation & standards setting**

**UEMS Bodies**

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

**Sections**

- Emergency Medicine
- Endocrinology
- Gastroenterology
- Geriatrics
- Gynaecology & Obstetrics
- Infectious Diseases
- Internal Medicine
- Ophthalmology
- Surgery
- Radiology
- Cardiology
- Clinical pharmacology
- Psychiatry
- Neurology
- Pathology
- Rhematology
- Clinical Genetics

**European Boards**

**Divisions**

**Multidisciplinary Joint Committee**

**Role:** Specialty Representation & standards setting
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
- 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
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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

President: Dr. Zlatko Fras
Treasurer: Dr. Vincent Lamy

Secretary General: Dr. Bernard Maillet
Liaison Officer: Dr. Gerd Hofmann
The Council for European Specialists Medical Assessment (CESMA) Existing EU Exams

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

Helen Kingston
Treasurer

Ulfr Kristoffersson
Vice President

Milan Macek
Vice President

Feliciano Ramos
Vice President
CESMA
ESHG President

André Reis
Vice President
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**
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)
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
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 2009 SCG Board and SCG Section Meetings (21 May, 2016, Barcelona)
The UEMS Specialist Sections & European Boards (Feb 21, 2009)

Adopted by: The UEMS Council (April 25, 2009, April 2017, Tel Aviv)
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
- ERN (European Reference Network)
- ETR (European Training Requirement)
- 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?

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

Slides from Luca Sangiorgi
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