

Dr Edmond Smyth
Chairman Microbiology Commission

Section of Medical Biopathology
European Union of Medical Specialists
(UEMS)

*Consultant Microbiologist,
Beaumont Hospital, Dublin*

UEMS: statutory purpose

- Established in 1958
- Harmonisation & improvement of quality of medical specialist practice in the EU

Training

Education

- Movement of specialists in Europe
- Specialist sections established in 1962 -
now 34

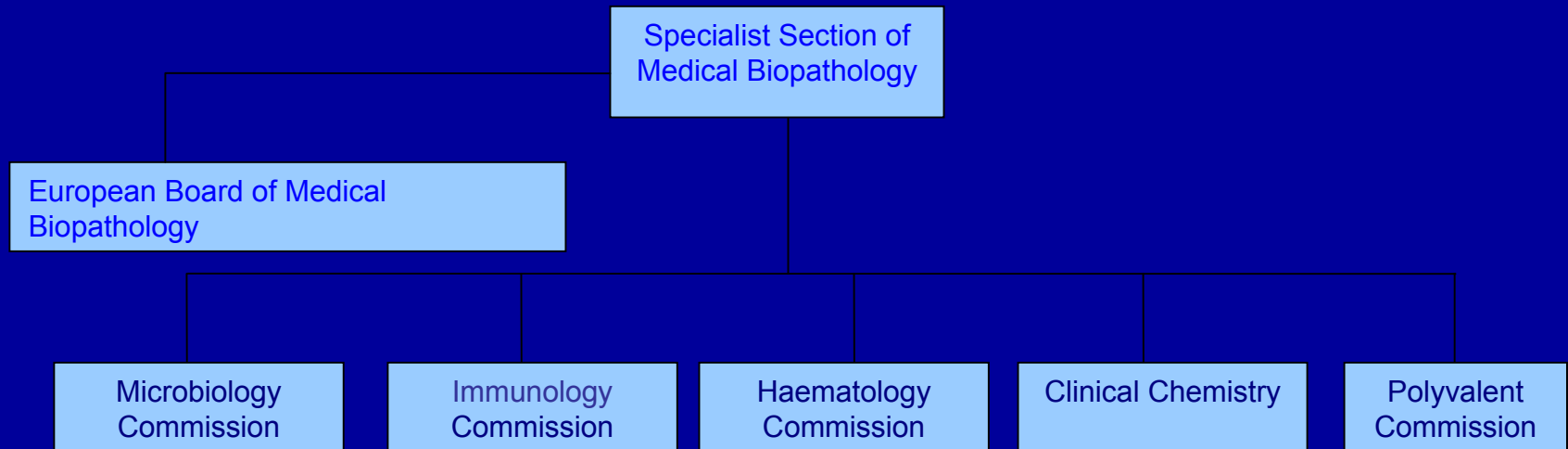
UEMS Member Countries

- EU member states
- Switzerland
- Norway
- Iceland

UEMS Associate Member Countries

- **Croatia**
- **Hungary**
- **Malta**
- **Poland**
- **Czech republic**
- **Slovakia**
- **Slovenia**
- **Turkey**
- **Estonia**
- **Romania**
- **Azerbaijan**

Structure of Section of Medical Biopathology



European Boards of each Specialist Section

- **Established in 1992**
- **Working groups**
- **Purpose:**
 - **optimise training**
 - **complete arrangements for free movement**

The European Board of Medical Biopathology

- **Recommends standards required for training**
- **Makes proposals in relation to the quality and content of training programs.**
- **Examines the content and quality of training programs**
- **Facilitates the exchange of specialist trainees between training centres in various EU countries**
- **Recommends procedures to facilitate movement**
- **Institutes a recognition of quality and competence by establishing the Fellowship of the European Board of Medical Biopathology (F.E.B.M.B.)**

Fellowship of the European Board of Biopathology

- Confers no additional rights
- Not mandatory
- Aim:
 - **to facilitate movement**
 - **harmonise practice**
- **No examination**
- **No inspection of training centres**

Criteria for Fellowship

- **Registered medical specialist in UEMS country**
- **Completed at least 4 years training (ideally 5)**
- **On specialist register for at least 3 years & practising**
- **Evidence of CME/CPD**
- **Assessed by members of the Board**
 - **Convenor of Microbiology Commission**
 - **Microbiologist from home country of applicant**
 - **Microbiologist from another country**
 - **President of the Board**
- **Board Secretariat in Lisbon**
- **Communication: electronic**

Core Training Curriculum in Microbiology of the Section Of Biopathology of the UEMS

- **Finalised in 2001 by the Microbiology Commission for the European Board of Biopathology (EBBP)**
- **Forms the basis for assessing training**
- **Prepared by representatives of national medical organisations**
- **Currently being revised**

Role of the (Clinical/Medical) Microbiologist




- Prevention of Infection
- Diagnosis of infection
- Treatment of infection

Roles of the Microbiologist

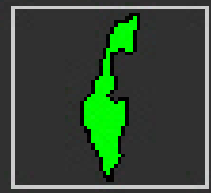
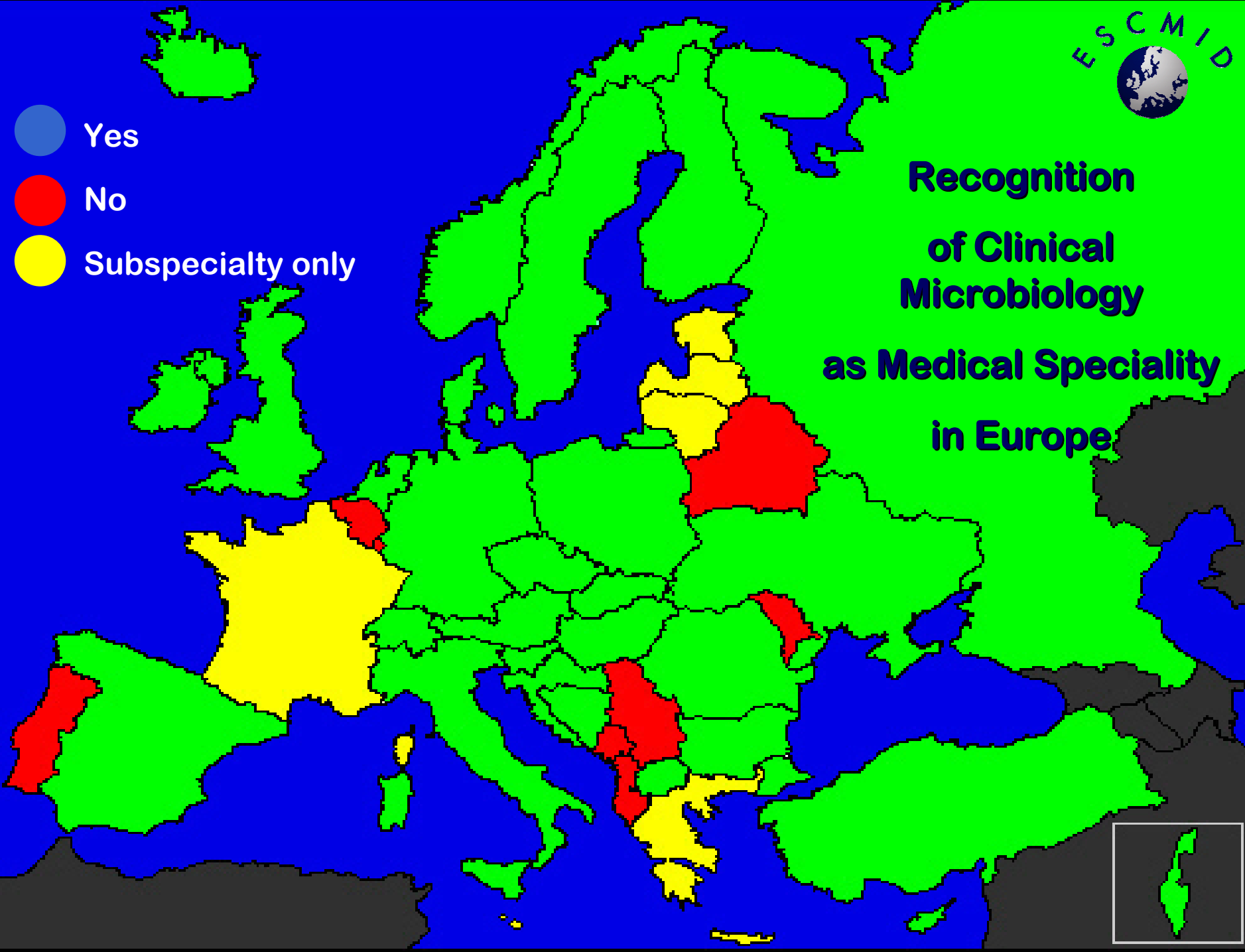
- **Manage and direct diagnostic laboratory**
- **Responsibility for results reporting**
- **Liaise with physicians & surgeons providing advice on further investigation, treatment and follow up of infected patients**
- **Consult or outpatient service for infected patients**
- **Chair Infection Control Committee**
- **Lead the Infection Control Team**
- **Responsibility for antibiotic stewardship**
- **Education, research & development**
- **Role in hospital wide health & safety, audit, clinical governance and accreditation**



Status of Clinical Microbiology in Europe

- ESCMID survey- Giuseppe Cornaglia
- March 2002
 - **Recognition of CM in Europe**
 - **Training program duration**
 - **Training of medical graduates only**
 - **Final examination before registration**
 - **Clinical microbiologist in charge of laboratories**
 - **Joint meetings between ID & CM**

-  Yes
-  No
-  Subspecialty only

Recognition of Clinical Microbiology as Medical Speciality in Europe



-  Yes
-  No

Is always a clinical microbiologist in charge of the laboratory ?



Curriculum Objectives

Over a 5-year period the trainee should acquire

- Specialised knowledge of the natural history of diseases**
- Interpretative skills so that a clinically useful opinion can be derived from laboratory data**
- Technical knowledge**
- Research and development experience**
- Data management skills**
- Management and communication skills**
- Knowledge of health and safety issues**

General Aim of the Curriculum

The trained medical microbiologist should be competent to:

- Give advice as a physician on the diagnosis, treatment and prevention of microbial diseases.**
- Provide a scientific basis for laboratory diagnosis; to set protocols and to maintain standards within the laboratory.**
- Undertake the management responsibilities required from the director of a medical microbiology laboratory.**
- Take charge of infection control**

General aim (cont)

- **Propose hospital policies on the control of antimicrobial usage and on the prevention of hospital acquired infection**
- **Collaborate with national surveillance organisations and public health authorities**
- **Participate in training programs for medical microbiologists, infection control doctors and other experts in the field of microbial diseases.**
- **Undertake research and development in the field of clinical microbiology and infectious diseases.**

CORE TRAINING PROGRAMME: MEDICAL MICROBIOLOGY 2001

- 1. Scientific basis of medical microbiology**
- 2. Laboratory safety**
- 3. Sterilisation and Disinfection**
- 4. Handling of specimens**
- 5. Microscopy**
- 6. Culture methods**
- 7. Further processing of cultures**
- 8. Antimicrobial investigations**
- 9. Emerging technologies**

CORE TRAINING PROGRAMME: MEDICAL MICROBIOLOGY 2001 (cont)

10.Data handling

11.Clinical experience

12.Infection control in hospital and community

13.Antimicrobial usage

14.Virology

15.Mycology

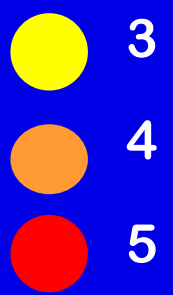
16.Parasitology

17.Quality control

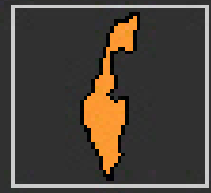
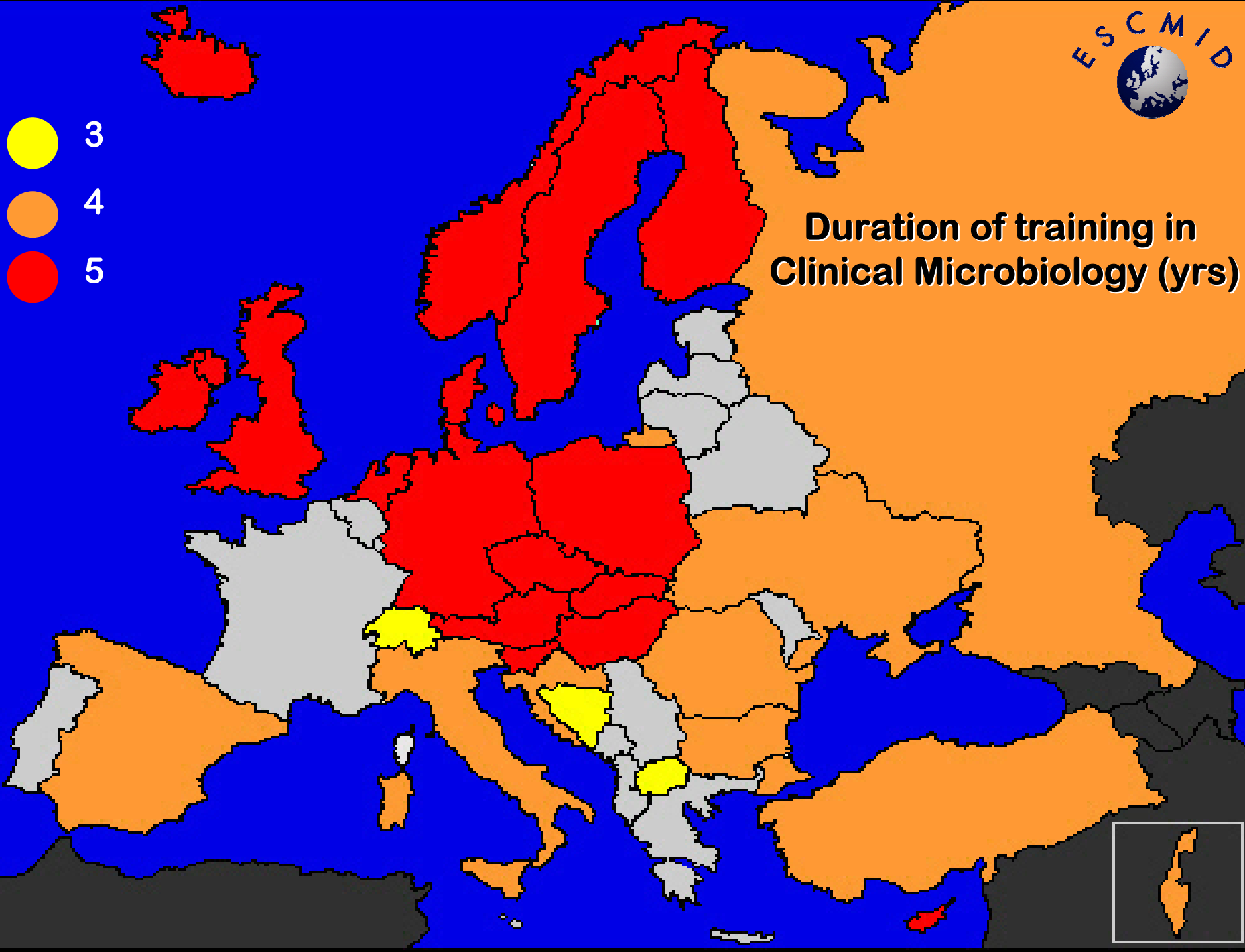
18.Audit



19.Accreditation

20.Management

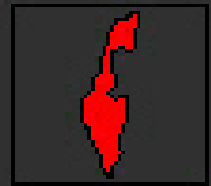
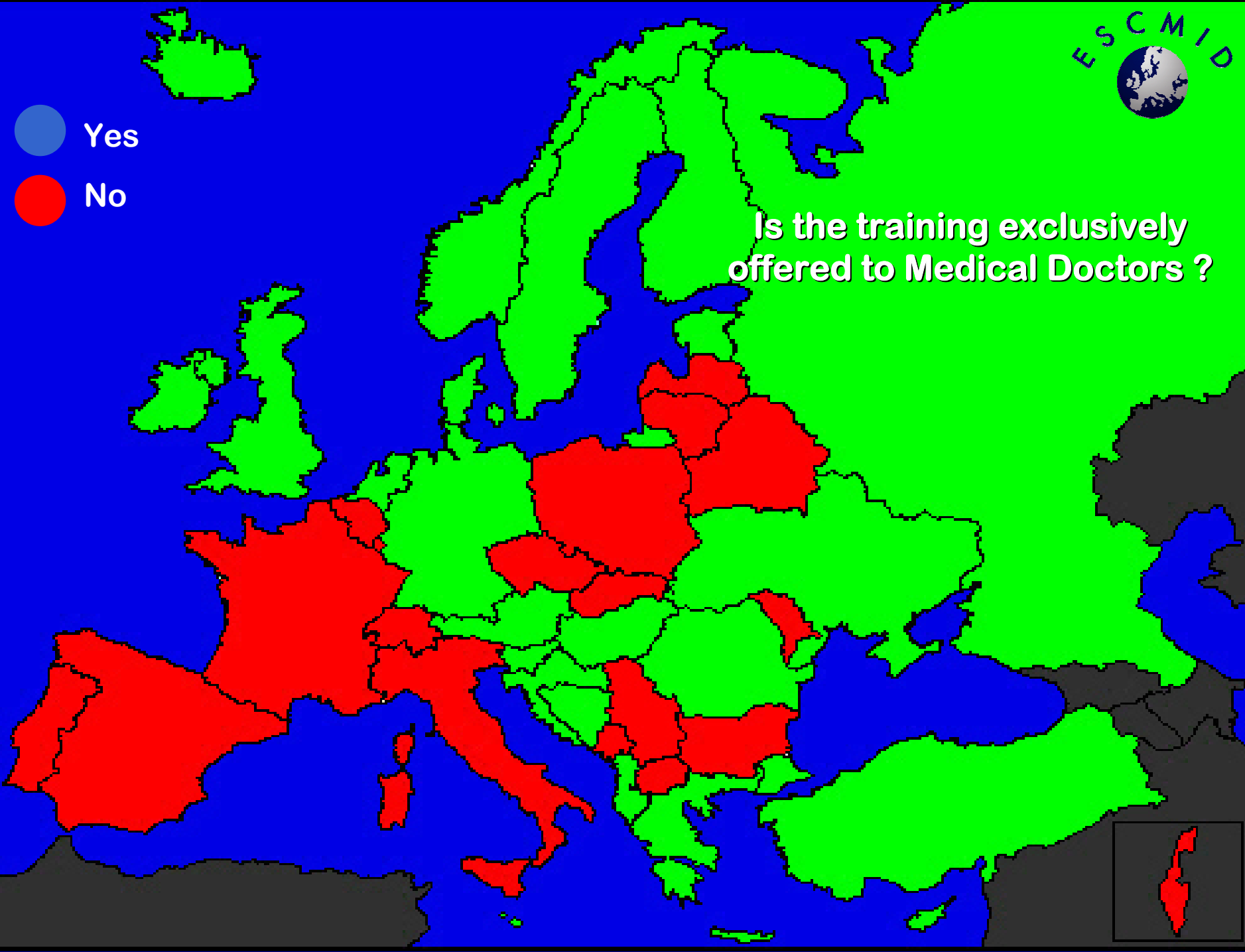




Duration of training in Clinical Microbiology (yrs)



-  Yes
-  No

Is the training exclusively offered to Medical Doctors ?



-  Yes
-  No

Is there a final examination before registration ?

