FESCC Education & Training Programs in Europe

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11th AFCB Congress and 7th SCLA Conference 29 April 2 May
FESCC introduction

FESCC is a forum (federation) of the national societies, which are concerned with clinical chemistry, and which are members of IFCC
FESCC

Members (National Societies):
Albania, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Latvia, Lithuania, Luxembourg, Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom, Serbia-Montenegro Bosnie Herzegovina
Main FESCC Activities

European Congresses
Education
Total quality management
Development of the discipline
Research and R & D
KEY STRATEGIC ISSUES

• identifying specific European problems
• identifying specific subregional areas of co-operation
• improving training
• increasing co-operation with other organisations
FESCC survey on accreditation and post-graduate training in clinical chemistry in European countries

M. Rossier, V. Blaton, C. Franzini, J. Queralto and V. Palička
1998-2000
Main goals and activities of FESCC in the study

• Vocational and pregraduate training
• Promotion of professional growth
• Development of specialist in Laboratory Medicine
• Harmonisation of quality assessment
• Accreditation procedures
• Position in the various laboratories
• Managerial tasks
• Position in the hospitals
• Advisory tasks.

De Kievet W, Blaton V, Kovacs G L, Palicka V, Pulkki K
The Management of Clinical Laboratories in Europe: a FESCC Survey
Clin Chem Lab Med 2002 ; 40 (3) : 312 - 319
Main observations and lessons for Europe

- Lab Medicine is a postgraduate training based on a university education with an average training of 9 years (6-12 years).
- Basic university education is 5 years (3-6) and postgraduate training is 4 years (0.5-6 years).
- Clinical Chem monovalent in n=9, and multidisciplinary n = 22.
- Answers on Clinical Chem curriculum and examination were heterogeneous. A common trend in practical and theoretical training in analytical principles and procedures, quality control systems, method comparison and laboratory management.
- No comparison with European syllabus or other European standard.
- To establish a consensus on standards of accreditation and harmonization of accreditation criteria.
- Harmonization of post-graduate training in laboratory medicine.
Additive of Value FESCC for the profession

*Education and training in Europe*

- Europe has a long tradition and history in educations, schools, colleges, and universities for centuries and also science and biochemistry have longest traditions. FESCC is using these traditions to teach the profession in summer schools and courses.

- The aim of FESCC is also to collect and disseminate guidelines and models for postgraduate training and accreditation.

- The goal is also to get together the medical and scientific postgraduate training of clinical diagnostics in co-operation with UEMS and other European organisations.
The FESCC Continuous Postgraduate Courses in Clinical Chemistry

Cardiovascular diseases (2002)
Cerebrovascular diseases (2003)
Cancer diseases (2004)
Autoimmune diseases (2005)
IUC-Dubrovnik Croatia
Agreement on Inter-University co-operation between
The inter-University Centre Dubrovnik
and
Forum of The European Soc. Clin.Chem. And Lab
Medicine

In order to encourage and develop the scientific and
cultured co-operation of both Institutions The IUC-
Dubrovnik and FESCC

Academy of Sciences and Arts Zagreb Croatia
April 2005
Agreement

• FESCC seat within the framework IUC-Dubrovnik
• Joint organisation of events on educational actions to the advancement of medicine
• Postgraduate courses for experts in Lab Med
• Special activities public health care
• Initiatives to visibility and transparency of health prevention
Interuniversity Co-operation The Charles University Prague and FESCC.

• To encourage and develop the scientific and cultural co-operation of both institutions

• Educational actions and scientific events.
• Post graduate courses
• Promotion of the profession

• FESCC 1st official seat (virtual)
• Carolinum Charles University Prague March 31, 2003
  prof.Dr Ivan Wilhem Rector
  prof.Dr V Blaton and prof.Dr V Palicka FESCC.
European Education Centre for Laboratory Medicine

**FESCC and Charles University Prague**


Programme

1. FESCC-Clinical Chemistry in Europe in the 21st century
2. EC4 – the European syllabus
3. UEMS: Specialist Section of Medical Biopathology, Guidelines for education and training, European credits
4. LERU Programme of the leading European research oriented Universities
5. IFCC-EMD
6. IUC-Dubrovnik, Recommended forms of education
7. Network systems.
Programme Prague November 2004

Main topics

- Clinical Chemistry and Laboratory Medicine – education in the 21st century.
- The role of European organizations in the postgraduate education
- Education in the electronic era
- Organizational aspects of postgraduate education
Euregional Educational Seminars in Clinical Chemistry and Laboratory Medicine

• Cooperation Universities Maastricht (NL), Liège (Be) and Aachen (G)
• Annually high educated and scientific quality seminars
• March 2005 Maastricht proteomics.
Harmonization in postgraduate education in laboratory medicine in the Russian Federation.

• Joint project FESCC and Russian Society for Clinical Laboratory Diagnostics
• EU project for application to the Tempus (Tacis): programme European Commission, Directorate-General Education and Culture.
• Targets: Higher education system in laboratory diagnostics is one of the most important part of health system disciplines.
• The centre will act as a capacity building institution and as a centre of excellence in life-long education.
• Advanced courses will be organized in Moscow, St Petersburg, Helsinki and in Prague.
INTERNATIONAL CONFERENCE ON QUALITY AND ACCREDITATION OF MEDICAL LABORATORIES:
STATE-OF-THE-ART IN SLOVENIA AND EUROPEAN UNION


Ljubljana, Slovenija
Dec. 20, 2001 and Jan. 26, 2002
Quality and Accreditation Systems in Clinical Biochemistry in the European Union

Working group on laboratory accreditation was established as a body of EC4 (European Community Confederation of Clinical Chemistry - EC4)

in Nice in April 1993
The Aim of the Group

• exploring the possibilities for harmonisation of accreditation and quality systems in clinical laboratories

• introduction the total quality system in medical and clinical laboratories

• accreditation of these laboratories
Documents

Essential Criteria for Quality Systems in Medical Laboratories

Additional Essential Criteria for Quality Systems of Medical Laboratories

Published in Clin chem and Lab Medicine 2000-2006
ISO and CEN documents on quality in medical laboratories

ISO 25 EN 45001
ISO 17025 ISO 9002
ISO 15189 Qual. Management in the medical laboratory
ISO 15190 Safety Management for medical laboratories
Development and Implementation of EN/ISO 15189

Which accreditation standard for the Medical Laboratory?

Desmond Kenny, Dublin, Ireland
Chairman of EC4 Working Group on ISO and CEN Standards

EC4 Symposium: possibilities and challenges ...
Jönköping 6 May 2003
EN ISO 15189:2003

- was approved in November 2002 in the final votes in CEN and ISO
- in both the CEN and ISO voting, the results were unanimous — all countries voted “yes”!
- the standard was finally published (In English) in February 2003.
Conclusion:

15189 has wide recognition in Europe and will be used in most countries as the main standard for the accreditation of medical laboratories.
FESCC Strategic Plan 2003-2005
actions Working groups/Research

• Cooperation with and between European FESCC-Subgroups
• Promotion of a common platform for all disciplines of laboratory medicine
• Formation of a taskforce with EDMA to promote clinical chemistry and Laboratory medicine in Europe
• Promotion of the visibility of FESCC