



EFOMP

European Federation of Organizations for Medical Physics

European Examination Board (EEB)

Report on the first initiative

Prof. John Damilakis
EFOMP President



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European Federation of Organizations for Medical Physics

Austria
Belgium
Bulgaria
Croatia
Cyprus
Czechia
Denmark
Estonia
Finland
France
FYROM
Germany
Greece
Hungary
Ireland
Italy
Latvia
Lithuania
Malta



Moldova
Netherlands
Norway
Poland
Portugal
Romania
Russia
Serbia and
Montenegro
Slovakia
Slovenia
Spain
Sweden
Switzerland
Ukraine
UK

34 NMOs

8500 MPs in Europe



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The screenshot shows the EFOMP website homepage. At the top, there is a navigation menu with links for Home, Science, Education, Publications, Professional Matters, EU & International Matters, and Contact Us. Below the navigation is a banner image showing medical physics equipment and a person. The main content area is divided into several columns:

- Left Column:** A vertical menu with icons for Home, Science, Education, Publications, Professional Matters, EU & International Matters, and Contact Us. Below this is a section for "Latest EMP News" featuring a "EMP News Summer 2017" article.
- Second Column:** A section titled "Special offer only for Medical Physicists!" with a "Read more" link. Below it is a "Latest News" section with a list of recent events and dates.
- Third Column:** A section titled "EEB Examination results" with a "Read more" link. Below it is a section titled "ESMPE European School for Medical Physics Experts 2018" with a "Read more" link.
- Right Column:** A section titled "Company Members" with logos for PTW, RTI, Scandidos, and Varian. Below this is a "Current E.J.M.P. issue" section with a "Read more" link.

At the bottom of the page, there are links for "Terms & conditions of website", "Privacy Statement", and "Site Map". The footer also includes the text "EFOMP © 2017 All Rights Reserved".

NEW

<https://www.efomp.org>



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EFOMP COMMITTEES

Education & Training

Projects

EU Matters

Scientific

Communications & Publications

Professional Matters



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ESMPE European School for Medical Physics Experts

Computed Tomography. Technology, Dosimetry, Optimization.

January 25 – January 27, 2018, Prague, Czech Republic



European Training and Education for
Medical Physics Experts in Radiology

Home

Partners

Modules

Documents

Workshop

News

» June 12, 2016

Good news!

The EUTE MPE-RX project partners have decided to repeat their modules. You can subscribe now!

[Read more](#)

**MPE01 : Leadership in Medical Physics:
Development of the profession and the challenges
for the MPE (D&IR)**

Apply Now !

6-10 February 2017,
Prague, Czech Republic



EBAMP



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EFOMP involvement in EU projects

PiDRL

EUTEMPE-RX

ENETRAP III

BSS Transposition

ENEN+

NEW

MEDIRAD



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European Alliance for Medical Radiation Protection Research

The European Alliance for Medical Radiation Protection Research (EURAMED) represents a consortium of associations involved in the application of ionising radiation in medicine, namely the European Association of Nuclear Medicine (EANM), the European Federation of Organisations for Medical Physics (EFOMP), the European Federation of Radiographer Societies (EFRS), the European Society of Radiology (ESR) and the European Society for Radiotherapy and Oncology (ESTRO) with the goal of jointly improving medical care and its radiation protection issues through sustainable research efforts.



EURAMED
European Alliance for Medical
Radiation Protection Research

NEW



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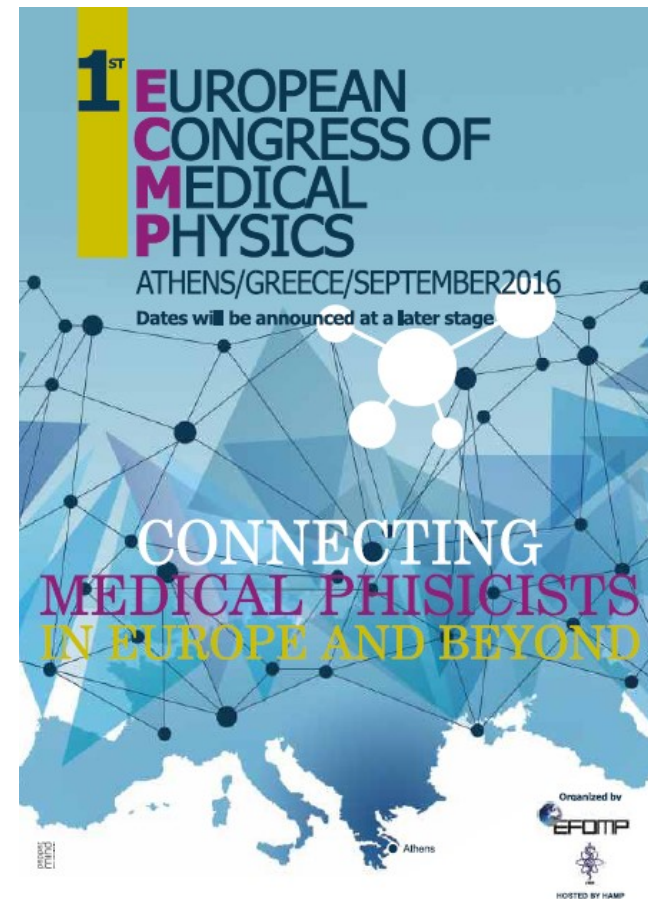


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1st European Congress of Medical Physics

Athens
September 1-4
2016



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2nd European Congress of Medical Physics

Copenhagen
August 23-25
2018



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E

F



M

P

Mammo Protocol



Mammo Working Group Protocol, March 2015

E

F



M

P



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IAEA
International Atomic Energy Agency

Quality control in cone-beam computed tomography (CBCT)

EFOMP-ESTRO-IAEA protocol



Final version 2nd of June 2017



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European School for Medical Physics Experts
Prague, Czech Republic, January 2017

ESMPE
European School for
Medical Physics Experts

The European Federation of Medical Physics Organizations Bulletin

EMP News Summer 2017

European Medical Physics News

ELSEVIER *aijm* EFOMP IAPM *sfpm*

Physica
Medica
**European Journal
of Medical Physics**

The official journal of the
Associazione Italiana di Fisica Medica,
European Federation of Organizations for Medical Physics,
Irish Association of Physicists in Medicine and
Société Française de Physique Médicale

Editor-in-Chief: Paolo Russo
Past Editor-in-Chief: Fridtjof Nüsslin

Impact factor: 1.990



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Relationship with other societies

We have signed Memoranda of Understanding:

EANM

ESTRO

ESMRMB

MELODI (2014)

EFRS (2015)

ESR (2015)

AAPM (2015)

COCIR (2017)

We are in contact with other organizations to sign MoUs

(MEFOMP)



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From 2017:

- Young MPs are included in the ECR ‘Invest in the Youth’ program
- ESR publishes the ‘Physics Program’ on the ECR’s main website

Homepage





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ESR will grant all Medical Physicists a SPECIAL REGISTRATION FEE of €260, including FREE ESR MEMBERSHIP.



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	Early Fee	Middle Fee	Late Fee
ESR Full Radiologist Member	€475	€580	€705
ESR Full Allied Sciences Member	€600	€710	€925
ESR Corresponding Member	€600	€710	€925
Full Fee Non-Member	€800	€935	€1,010
Young Trainee Member*	€300	€385	€510
Young Trainee Non-Member*	€365	€455	€620
Radiographer Member**	€99	€99	€470
Radiographer Non-Member**	€325	€425	€580
Hospital Manager***	€720	€875	€975
Nurse***	€225	€325	€465



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EEB main aims:

- Introduce 2 European Diplomas in Medical Physics:

EDMP and EACMPE

- Facilitate the harmonization of Medical Physics E&T

standards throughout Europe



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EDMP

Eligibility Criteria

All Medical Physicists certified in one or more sub-disciplines of Medical Physics are eligible to sit for the EDMP exams.

Eligibility criteria for non-certified medical physicists

- Bachelor in Physics or equivalent and b) Master in Medical Physics or equivalent
- two full-time years of clinical training as specified in RP 174 in one of the fields
- active membership of the relevant national medical physics society



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EDMP

Required documentation

Certified medical physicists:

- Application
- Curriculum Vitae
- Certificate issued by a national certification body
- Contact details of the national certification body
- Proof of active membership of the relevant national medical physics society.



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EDMP

Required documentation

Non-certified medical physicists:

- Application
- Curriculum Vitae
- Proof of academic qualifications, e.g. MSc, PhD, etc.
- Proof of clinical training indicating the duration of medical physics training
- For candidates with less than two years of clinical training only: proof of experience
- Proof of active membership of the relevant national medical physics society.



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EDMP

Examination Structure

Form of assessment: Written examinations and oral examinations.

The **written examination** comprises:

Part A (120 min)

- a. 30 multiple choice questions.
- b. 5 short answer questions (approx. 100 words).

Part B (90 min)

- c. 1 essay type (long answer) question (500-800 words).
- d. 2 computational type questions



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EDMP

Fees

- €350 'first attempt fee'. In the event of a candidate failing the first attempt, any subsequent attempts will be charged €290.
- The examination fee is reduced by 20% for those applying for EDMP in a 2nd or 3rd sub-specialty.



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EACMPE Eligibility Criteria

Eligibility criteria for certified medical physicists

All Medical Physicists certified in one or more sub-disciplines of Medical Physics (diagnostic and interventional radiology, nuclear medicine and/or radiation oncology) by a national competent authority and have at least full time 2 years equivalent of advanced, structured experience and CPD are eligible to sit for the EACMPE exams.



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EACMPE

Eligibility Criteria

Eligibility criteria for non-certified medical physicists

- Bachelor in Physics or equivalent, Master in Medical Physics or equivalent
- Two full-time years of clinical training as specified in RP 174
- At least 2 full-time years equivalent of advanced, structured experience and CPD
- Candidates must have received their training in one of the fields of MP
- Active membership of the relevant national medical physics society



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EACMPE

Required documentation

For certified medical physicists:

- Application
- Curriculum Vitae
- Certificate issued by a national certification body
- Contact details of the national certification body
- Proof of **at least** two full-time years equivalent of advanced, structured experience and CPD in the specialty.



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EACMPE

Required documentation

For non-certified medical physicists:

- Application, CV
- Proof of academic qualifications, e.g. MSc, PhD, etc.
- Proof of clinical training indicating the duration of medical physics training
- Proof of **at least** two full-time years equivalent of advanced, structured experience and CPD in the specialty.
- For candidates with less than two years of clinical training only: proof of experience
- Proof of active membership of the relevant national medical physics society.



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EACMPE

Examination Structure

Form of assessment: Oral examinations (in English). Candidates are examined by a pair of examiners. The examiners use a question bank which has been set in advance by the EEB.



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EACMPE

Fees

- €350 ‘first attempt fee’. In the event of a candidate failing the first attempt, any subsequent attempts will be charged €290.
- The examination fee is reduced by 20% for those applying for EDMP in a 2nd or 3rd sub-specialty.



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Terms of Reference of the EFOMP Examination Board

Background

The recognition of the Medical Physics profession by the European Union (EU) can be achieved by meeting the requirements of the EU Directive 2005/36/EC on the recognition of professional qualifications as amended by Directive 2013/55/EU of the European Parliament and of the Council of 20 November 2013 [1].

Chapter IIIA of Directive 2013/55/EU (reproduced in Appendix A, for easy reference) offers recognition when at least a third of the EU Member States (MS) agree on a common training framework and a common training test.

EFOMP is in the process of updating its Policy Statement No. 6 "Recommended Guidelines on National Registration Schemes for Medical Physicists" [2] in accordance to paragraph 2 of article 49a of Chapter IIIA of Directive 2013/55/EU, so that the national registration schemes of the EFOMP National Member Organisations (NMOs) have sufficient commonality to be seen as constituting a common training framework.

The EFOMP Examination Board (EEB) is set up in accordance with paragraph 2 of article 49b of Chapter IIIA of Directive 2013/55/EU in order to assist NMOs to agree on a common training test by certifying that a medical physicist has reached the competence level to act independently. This will be recognised by the award of a diploma.

It is to be understood that in the European context, the title "medical physicist" (MP) is only to be used for individuals that have the training and education in compliance with the requirements in the European Commission's Radiation Protection Report 174 (RP 174) [3] for the medical physics disciplines that use ionising radiation (i.e. they are qualified to Master's degree level and have at least 2 years equivalent accredited clinical training in the field of medical physics). For these disciplines, the common training test is based on RP 174.


Additionally the EEB will provide an attestation certificate to those MPs that have reached the Medical Physics Expert (MPE) level to be recognised by the relevant competent authorities of the EU MS, according to the EU Directive 2013/59/EURATOM laying down the basic safety standards for protection against the dangers arising from exposure to ionising radiation (EU BSS) [4].

Introduction

In many of EFOMP's NMOs a local examination board has not been established. Currently medical physicists from such countries face difficulties in providing the necessary qualification evidence when they seek employment in other EU MS.

In order to facilitate the harmonization of medical physics standards throughout Europe, so facilitating the mobility of medical physicists, the EEB has been established. It is not the intention of the EEB to compete with any national examination board, although a harmonisation towards a common training test is encouraged thus fulfilling the requirements of paragraph 2 of article 49b of Chapter IIIA of Directive 2013/55/EU [1].

EFOMP and the three main clinical societies concerned with the application of radiation to medicine, namely the European Society of Therapeutic Radiation Oncology (ESTRO), the European Society of Radiology (ESR) and the European Association of Nuclear Medicine (EANM) have agreed on the syllabi for the training and education of medical physicists [5, 6, and 7].




Physica Medica (2013) 29, 139–162



Available online at www.sciencedirect.com

SciVerse ScienceDirect



journal homepage: <http://intl.elsevierhealth.com/journals/ejmp>



EANM-EFOMP PAPER

Curriculum for education and training of Medical Physicists in Nuclear Medicine[☆]

Recommendations from the EANM Physics Committee, the EANM Dosimetry Committee



CORE CURRICULUM FOR MEDICAL PHYSICISTS IN RADIOLOGY

Recommendations from an EFOMP/ESR working group



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A. General

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B. Specialties

B1. Diagnostic and Interventional Radiology Physics

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B2. Nuclear Medicine Physics

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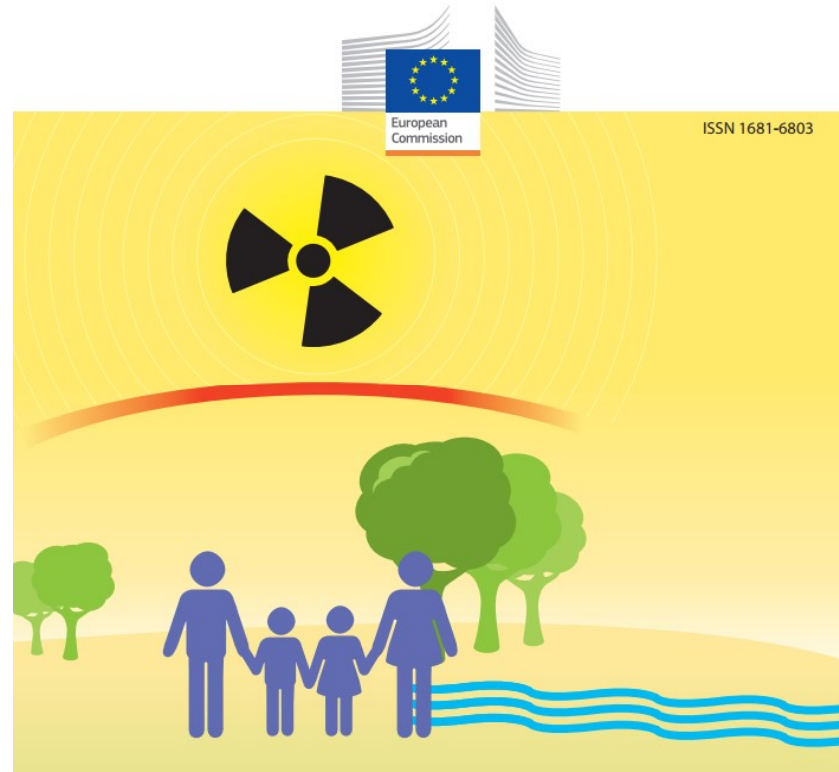


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Radiation Protection

N° 174

European Guidelines on Medical Physics Expert



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1. John Damilakis



[Short Curriculum Vitae](#)

2. Simona Avramova



[Short Curriculum Vitae](#)

3. Jorge Isidoro



[Short Curriculum Vitae](#)

4. Kay Uwe Kasch



[Short Curriculum Vitae](#)

5. Pawel Kukolowicz



[Short Curriculum Vitae](#)

6. Renato Padovani



[Short Curriculum Vitae](#)

7. Dimitris Visvikis



[Short Curriculum Vitae](#)

8. Alberto DelGuerra



[Short Curriculum Vitae](#)

9. Soren Holm



[Short Curriculum Vitae](#)

10. David Lurie



[Short Curriculum Vitae](#)

11. Ioannis Sechopoulos



[Short Curriculum Vitae](#)

12. Iuliana Toma-Dasu



[Short Curriculum Vitae](#)



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Many EEB applicants are certified MPs coming from countries where national certification programs exist. They need EEB diplomas to

- move from one country to another,
- be recognized by the relevant competent authorities as Medical Physics

Experts according to the new EU Directive (EU BSS)

- enrich their portfolio.

Most are coming from European countries but there are also few from non-European countries



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1st exams: Prague, July 6 and 7

Number of applications submitted by the deadline: 21

Number of eligible applications: 18 (14 for the EACMPE, 4 for the EDMP)

Nine (9) candidates passed the EACMPE exams

three (3) candidates passed the EDMP exams.



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2ND EEB Exams:

Copenhagen

August 21 & 22, 2018



in all 3 fields of Medical Physics



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