

# Certification of European Transplant Coordinators and Preparatory Course

Danica Avsec, MD, ICU specialist, director of Institute for transplantation  
of organs and tissues of the Republic of Slovenia





# The directive EU/ 53/2010 National legislations later ??

“Directive of the European Parliament  
and of the Council on standards of quality and  
safety of human organs intended  
for transplantation”

## CHAPTER II THE QUALITY AND SAFETY OF ORGANS

### Article 4

#### Framework for quality and safety

1. Member States shall ensure that a framework for quality and safety is established to cover all stages of the chain from donation to transplantation or disposal, in compliance with the rules laid down in this Directive.
2. The framework for quality and safety shall provide for the adoption and implementation of operating procedures for:
  - (a) the verification of donor identity;
  - (b) the verification of the details of the donor's or the donor's family's consent, authorisation or absence of any objection, in accordance with the national rules that apply where donation and procurement take place;
  - (c) the verification of the completion of the organ and donor characterisation in accordance with Article 7 and the Annex;
  - (d) the procurement, preservation, packaging and labelling of organs in accordance with Articles 5, 6 and 8;
  - (e) the transportation of organs in accordance with Article 8;
  - (f) ensuring traceability, in accordance with Article 10, guaranteeing compliance with the Union and national provisions on the protection of personal data and confidentiality;
  - (g) the accurate, rapid and verifiable reporting of serious adverse events and reactions in accordance with Article 11(1);
  - (h) the management of serious adverse events and reactions in accordance with Article 11(2).

The operating procedures referred to in points (f), (g) and (h) shall specify, inter alia, the responsibilities of procurement organisations, European organ exchange organisations and transplantation centres.

3. In addition, the framework for quality and safety shall ensure that the healthcare personnel involved at all stages of the chain from donation to transplantation or disposal are suitably qualified or trained and competent, and shall develop specific training programmes for such personnel.



# Transplant coordinators

EU Action plan 2009-2015



Study on the uptake and impact of the EU Action Plan on Organ Donation and Transplantation (2009-2015) in the EU Member States

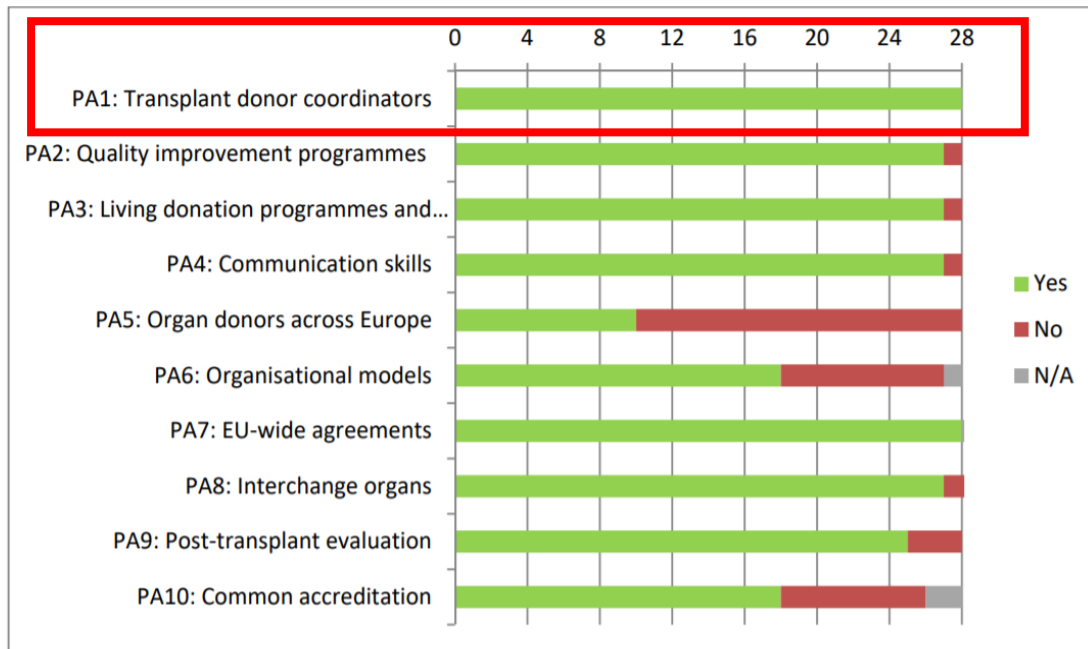


Figure 6: Implementation of the Action Plan per Priority Action in EU Member States

# EDUCATION - CERTIFICATION in organ donation-donor medicine



- Well recognized and acknowledged educational programs available
- National programs and Certification across EU????



Original Article | [Free Access](#)

## ETPOD (European Training Program on Organ Donation): a successful training program to improve organ donation

Marti Manyalich ✉, Xavier Guasch, Gloria Paez, Ricard Valero, Melania Istrate, The ETPOD partner consortium

First published: 31 December 2012 | <https://doi.org/10.1111/tri.12047> | Cited by: 15



Home Training Services Projects News

### Organ Donation

- Advanced International Training Course in Transplant Procurement Management
- Organ Procurement Training Program
- Curso Superior Internacional en Donación y Trasplante de órganos y tejidos
- Leadership, Quality and Management in Organ Procurement & Transplantation
- International Master in Donation and Transplantation of Organs, Tissues and Cells
- Self-Study online course in Organ Donation

### Transplantation

- Organ Transplantation Training Program
- Leadership, Quality and Management in Organ Procurement & Transplantation
- International Master in Donation and Transplantation of Organs, Tissues and Cells

Primary Topics	Transplantation, Liver, Kidney, Heart, Pancreas, Islets, Lungs, Vascularised Composite Tissues
Start Date	Monday, 7th May, 2018 at 9:00am
End Date	Thursday, 10th May, 2018 at 5:00pm
Important Dates	For this event we have activated the EasyESOT option!





# EU countries

Nivel study, 2017



The results also show a need for continued efforts in education and training of the appointed transplant donor coordinators.

- Despite the fact that transplant donor coordinators have been appointed in almost all countries, implementation of training programme is not standard in every country. Transplant donor coordinators receive both initial and regular training in 2016 in only 16 Member States (and no other countries). This is an improvement compared to 2012 (in 2012, there were 11 countries).
- 9 Member States and 1 other country indicated that the training schemes are tested for effectiveness (cf. 7 countries in 2012). Furthermore, 8 Member States and 3 other countries indicated that they use national or international accreditation schemes for the qualifications of transplant donor coordinators (cf. 7 countries in 2012).
- Lastly, 15 Member States indicated that the Action Plan has influenced national policy on transplant donor coordinators, and in 15 Member States and 1 other country the EU-supported activities contributed to the promotion of the role of transplant donor coordinators.

TRAINING, 16 EU countries

CERTIFICATION, 3 EU countries



# ICU doctors



**Resolution CM/Res(2015)10  
on the role and training of critical care professionals in deceased donation**

*(Adopted by the Committee of Ministers on 10 September 2015  
at the 1234th meeting of the Ministers' Deputies)*

COMMITTEE  
OF MINISTERS  
COMITÉ  
DES MINISTRES



Recommends to the governments of States Parties to the Convention on the Elaboration of a European Pharmacopoeia:

- i. to provide a clear legal and ethical framework to guide healthcare professionals caring for potential organ donors. This framework should specify which practices facilitating donation after death are permitted within a given jurisdiction;
- ii. to help ensure, in co-operation with the relevant professional societies, that professionals working in intensive care units and emergency departments receive continuous training from the outset of their clinical practice. This training should include clear and harmonised guidance on the early identification and timely referral of possible organ donors, communication in critical situations and with relatives with a view to presenting the option of organ donation, donor evaluation, determination of death, and donor maintenance;
- iii. to encourage hospitals to incorporate organ donation as a routine activity in intensive care units and emergency care departments, with performance assessment, through quality indicators and audits;
- iv. to encourage the appointment of designated professionals in intensive care units and emergency departments where there is a potential for organ donation. This measure aims at supporting donation after death within those units and at facilitating the appropriate and timely referral of possible organ donors to donor transplant co-ordinators and/or relevant organ procurement organisations;
- v. to support the development of scientific and health services research in the field of donation after death within the intensive and emergency care community.



# Internationally accredited system for transplant coordination



Google, 56 items

- <http://tpm-dti.com/training/advanced-international-training-course-in-transplant-procurement-management/> - DTI
- [https://ec.europa.eu/health/archive/ph\\_threats/human\\_substance/oc\\_organs/docs/organs\\_action\\_en.pdf](https://ec.europa.eu/health/archive/ph_threats/human_substance/oc_organs/docs/organs_action_en.pdf) - overview
- <https://www.ebmt.org/accreditation/about-jacie> . Bone marrow
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5629362/> about knowledge of students
- <https://transplantpro.org/community/professional-societies/> <https://www.aopo.org/-organ> procurement Am assoc
- <http://www.factwebsite.org/Inner.aspx?id=351-cellular> therapy
- [https://www.cibmtr.org/ReferenceCenter/SlidesReports/Documents/CIBMTR\\_Center\\_Survey\\_Report.pdf](https://www.cibmtr.org/ReferenceCenter/SlidesReports/Documents/CIBMTR_Center_Survey_Report.pdf) - laboratories
- <http://www.natco1.org/Links/index.asp> - **Certified Procurement Transplant Coordinator -UNOS**
- <https://www.uemssurg.org/divisions/transplantation/transplant-coordination>
- <https://tpm-master.org/>
- [https://en.wikipedia.org/wiki/Transplant\\_coordinator](https://en.wikipedia.org/wiki/Transplant_coordinator)





# UEMS frame work

## Sections:

- Surgery Sections
  - Transplant coordination division



### List of UEMS bodies

	Section	Division
1	Allergology	
2	Anaesthesiology	
3	Cardiology	
4	Cardiothoracic Surgery	
5	Child and Adolescent Psychiatry	
6	Clinical Neurophysiology	
7	Dermatology and Venereology	
8	Emergency Medicine	
9	Endocrinology	
10	Gastroenterology	
11	Geriatrics	
12	Gynaecology and Obstetrics	Reproductive Medicine
13	Infectious Diseases	
14	Internal Medicine	Angiology
15	Laboratory Medicine / Medical Biopathology	
16	Medical Microbiology	
17	Medical Genetics	
18	Medical Oncology	
19	Nephrology	

40	Surgery	General Surgery
		Emergency Surgery
		Transplant Surgery
		Transplant Medicine
		Transplant Coordination
		Transplant Immunology
		Breast Surgery
		Oesophagogastric Surgery
		Coloproctology
		Endocrine Surgery
		Hepato-Pancreato-Biliary Surgery
		Surgical Oncology
Trauma Surgery		
41	Thoracic Surgery	
42	Urology	
43	Vascular Surgery	



# Cooperation UEMS-EDTCO



## Board of Transplant Coordinators (BTC)

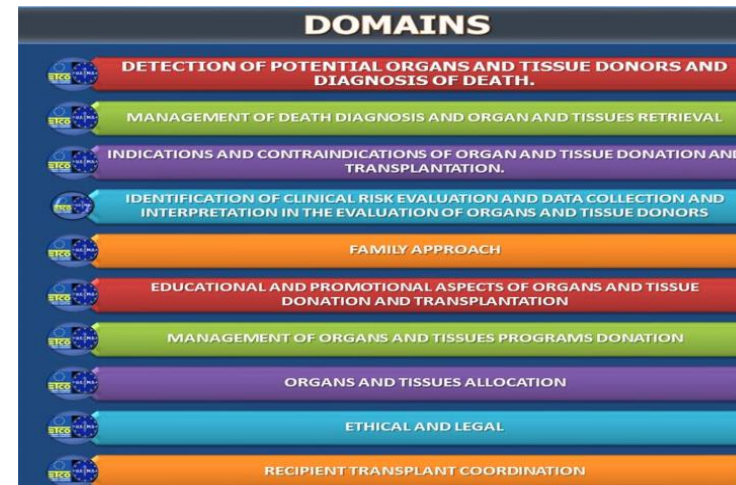
- Represents UEMS

Main objectives:

- To guarantee the best standard of care in organ and tissue donation and transplant coordination in Europe;
- To establish homologous standards of practice;
- To ensure that training in donation and transplant coordination is maintained at the highest level;
- To organize accreditation and examination of transplant coordinators based on their knowledge and practice.

## EDTCO

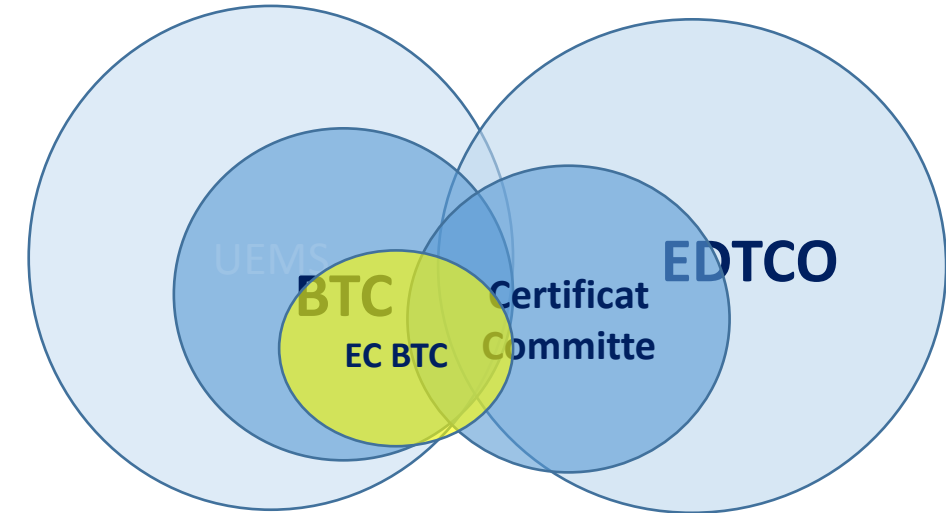
- To compose Certification committee
- To define syllabus including main list of reference- Jose Maria Dominguez and



# EC BTC



- Represents BTC
- **EC BTC carry out entire procedure including eligibility evaluation, organization of exam, prep course, promotion, new initiatives based on the progress and experience**
- **Financial issues ( treasurer Barbara Uštar, SLO)**
- Communicates with the General Secretary of the UEMS through the Division of Transplantation ( Vasilious Papalaois), Section of Surgery
  
- Communicate with EDTCO representative ( former president ) and Certification Committee



# EC BTC 2016-2019

## ACHIEVEMENTS and GOALS



The screenshot shows the website for the EBSQ Examination 2018. The header includes the logo of the UEMS Board of Transplant Coordination and the tagline "Leading the way in Organ Transplantation". The main navigation menu includes "Organisation", "Events & Education", "Resources", "Awards & Grants", "Supporters", "News", and "ESOT Transplant Live". The main banner features the text "Register Your Professional Expertise EBSQ EXAMINATION 2018 (Certification of European Transplant Coordinator • CETC) Organised by UEMS Board of Transplant Coordination In Collaboration with EDTCO". The content area includes a breadcrumb trail "Organisation > Certification of European Transplant Coordinator (CETC)", a "Quick Links" sidebar, and a main heading "Certification of European Transplant Coordinator (CETC)". The text below the heading states "Next exams: 7 November 2018 - 2018 27th EDTCO Congress, Munich, Germany" and "The next UEMS-CETC exam for the Certification of European Transplant Coordinator will be held at the 2018 27th EDTCO Congress, on **November 7th 2018**". It also mentions the "Deadline for the application for the examination process is June 30th 2018" and provides contact information for Danica Avsec, MD, President of BTC.

Leading the way in  
Organ Transplantation

Login Create Account Contact

Organisation Events & Education Resources Awards & Grants Supporters News ESOT Transplant Live

Register Your Professional Expertise  
**EBSQ EXAMINATION 2018**  
(Certification of European Transplant Coordinator • CETC)  
Organised by UEMS Board of Transplant Coordination  
In Collaboration with EDTCO

Organisation > Certification of European Transplant Coordinator (CETC)

**Quick Links**  
No quick links have been added.

**Certification of European Transplant Coordinator (CETC)**

Next exams: 7 November 2018 - 2018 27th EDTCO Congress, Munich, Germany

The next UEMS-CETC exam for the Certification of European Transplant Coordinator will be held at the **2018 27th EDTCO Congress, on November 7th 2018**.

**Deadline for the application for the examination process is June 30th 2018.** Eligibility will be confirmed by **August, 15th 2018**. Late applications will not be accepted.

Detailed information is available on the UEMS website ([click here](#)).

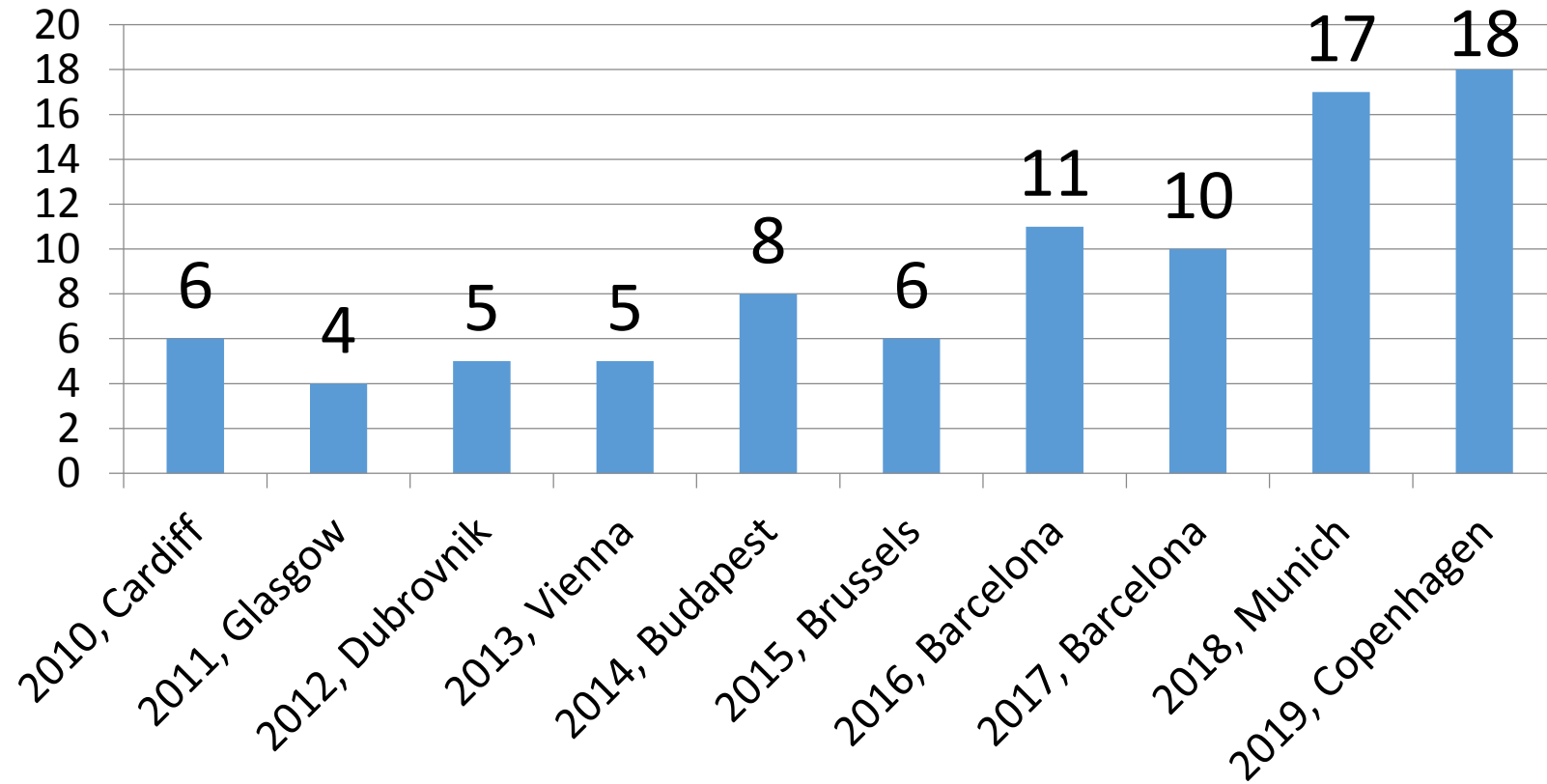
For any further information please do not hesitate to contact the president of the BTC Executive Committee:

Danica Avsec, MD, President of BTC  
E: [cetc@slovenija-transplant.si](mailto:cetc@slovenija-transplant.si)



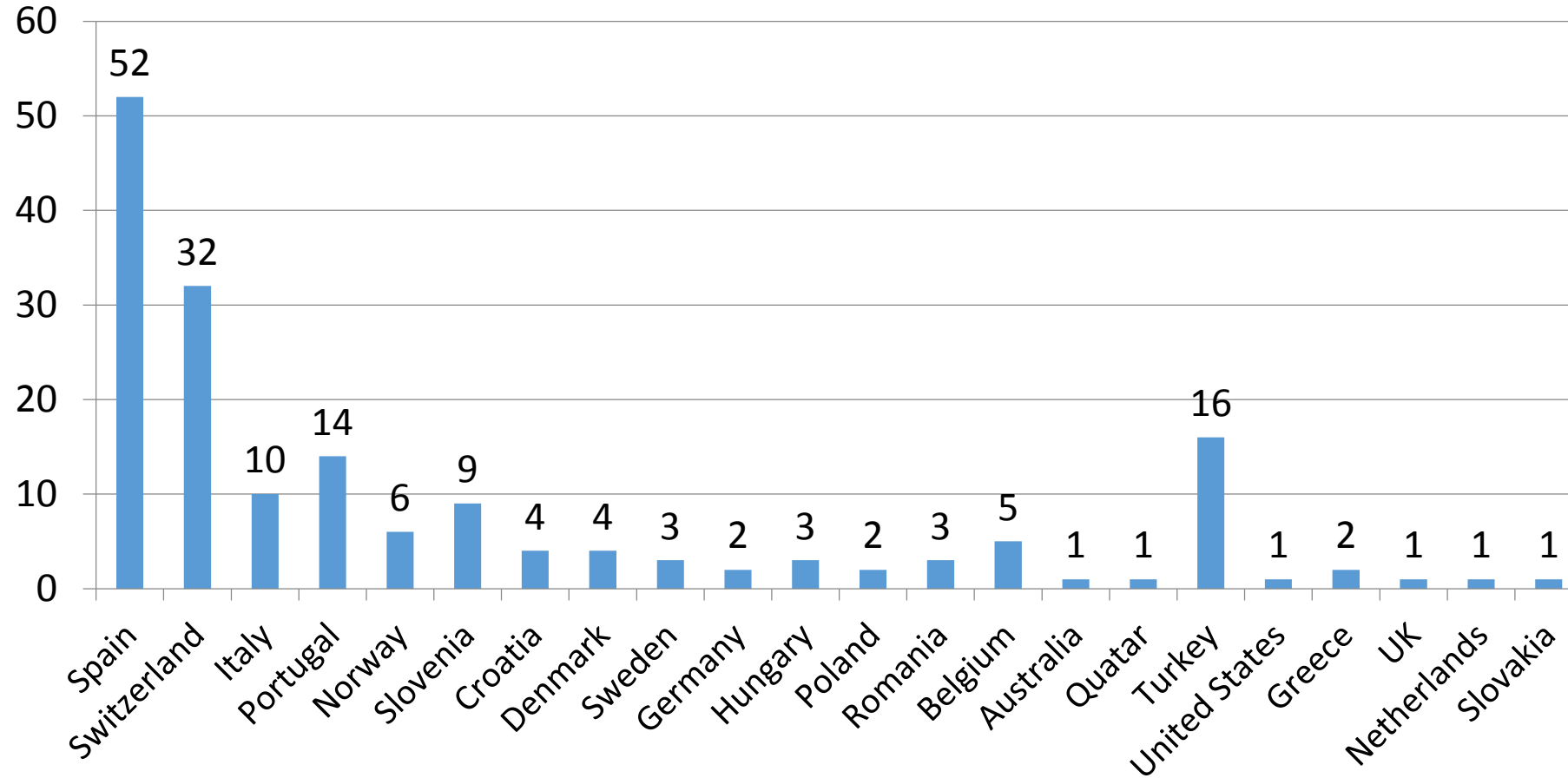


# CETC applicants /year, location

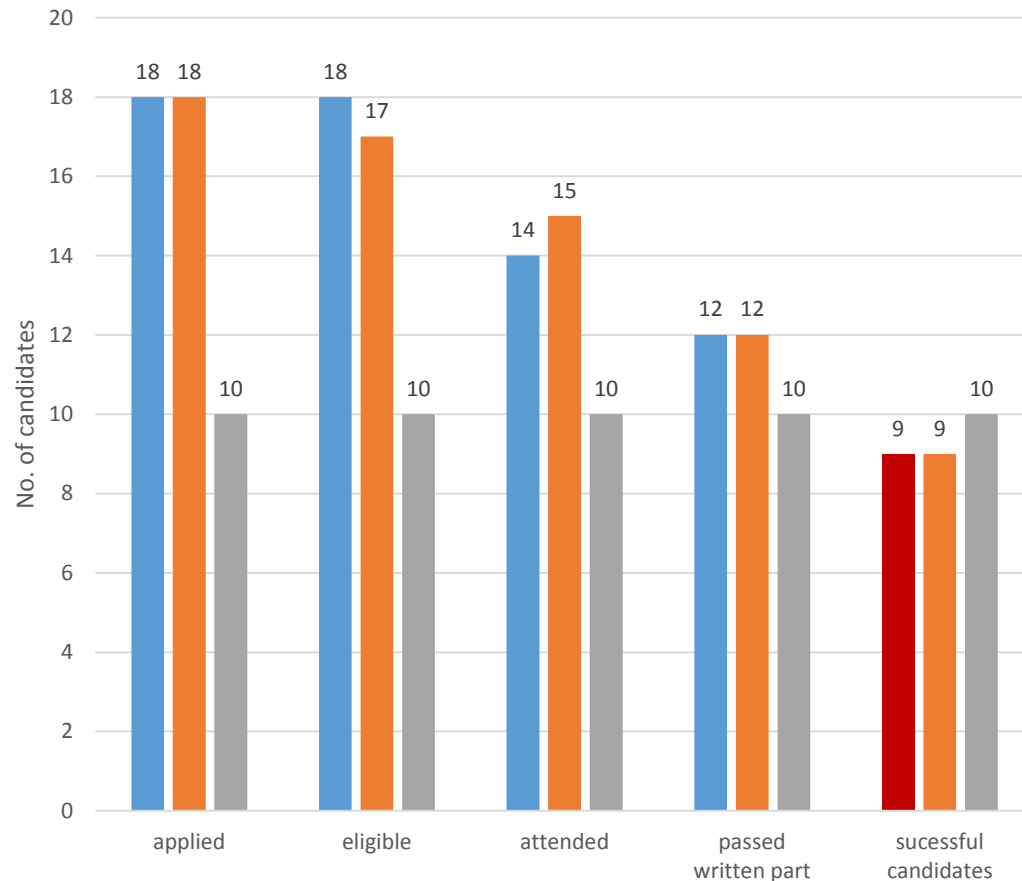




# Countries, the CETC candidates came from 2010-2019 (n=173, 22 countries)



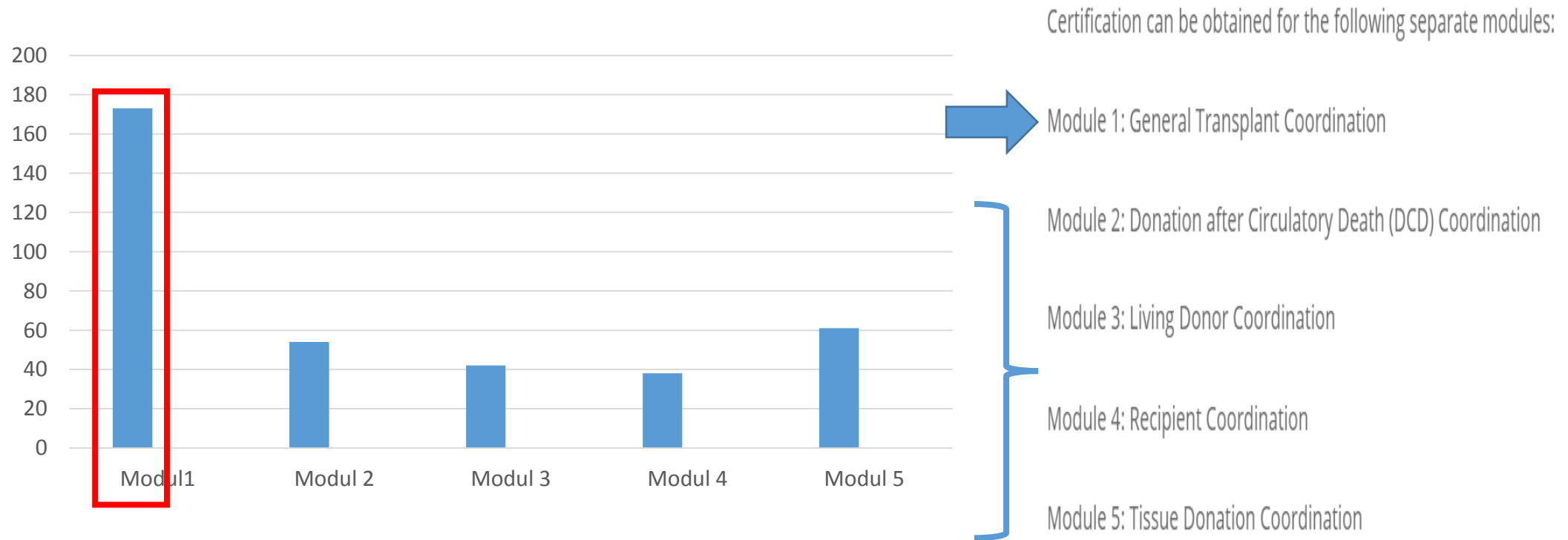
# CETC 2019, 2018, 2017 results



- Written exam : positive result over 80% (85% passed)
  - Between 70-80% grey zone- additional questions focused on weak points
  - After 2019 EC BTC decided for 75% , no grey zone
- Oral exam 2019 results (64% passed):
  - 5 candidates 9-10
  - 3 candidates 8-9
  - 1 candidate 7-8



# CETC Moduls: 2010-2019



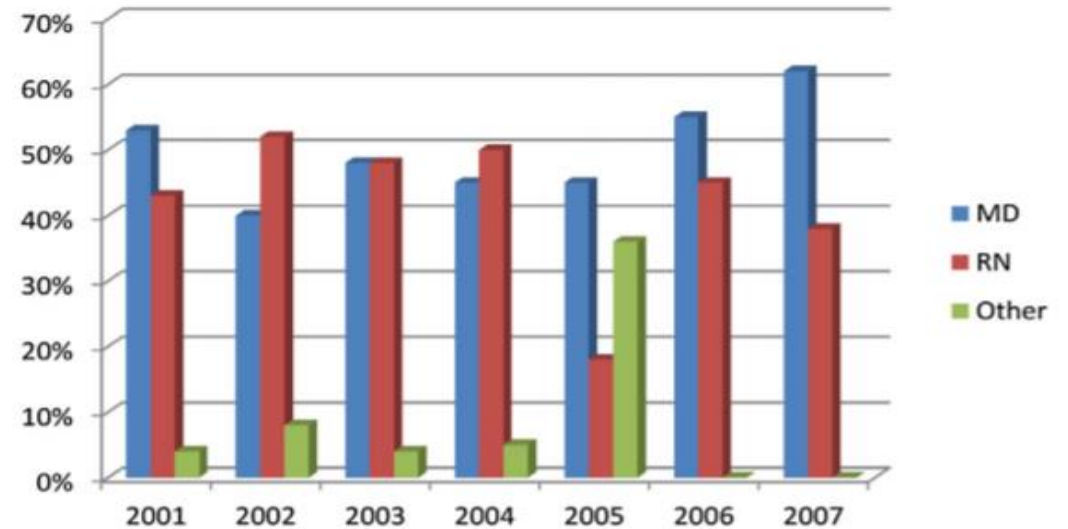


# Honorary certification

2001-2007: 360  
 2010-2012: 86  
 after: as an exceptional case

**Table 1. Distribution of the Type of Application Per Year (Honorary or Exam)**

	Direct Certification	Exam Certification
2001	236	3
2002	77	2
2003	20	3
2004	18	2
2005	6	5
2006	3	6
2007	0	13
Total	360	34
Total (Direct + Examination)	394	



**Fig 2.** Participant's professional profile.

# ACHIEVEMENTS AND CHALLENGES

New legislative requirements

Higher medical needs



# EC BTC Meetings:

Barcelona, October 2017 and Bled, January 2018, Munich 2018, Maribor 2019, Copenhagen 2019



## 1. Renewal of the list of references

- **Current (7<sup>th</sup>) Edition of the Council of Europe “Guide to the Quality Safety of Organs for Transplantation”**
- A complementary and easily accessible tool to prepare the Exam from an European perspective.

## 2. Refreshing of written part and translation to Spanish, French, Turkish, German language

## 3. Some corrections related to web page

## 3. Changes of statute/ slight:

- More in line with current organizational aspects
- Prologation of EC BTC mandates to 3 years
- Reimbursement for examiners

## 4. Still ongoing discussion on promotion of CETC

## 5. Organization of CETC Prep-courses



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# CETC Preparatory course 2018, 2019

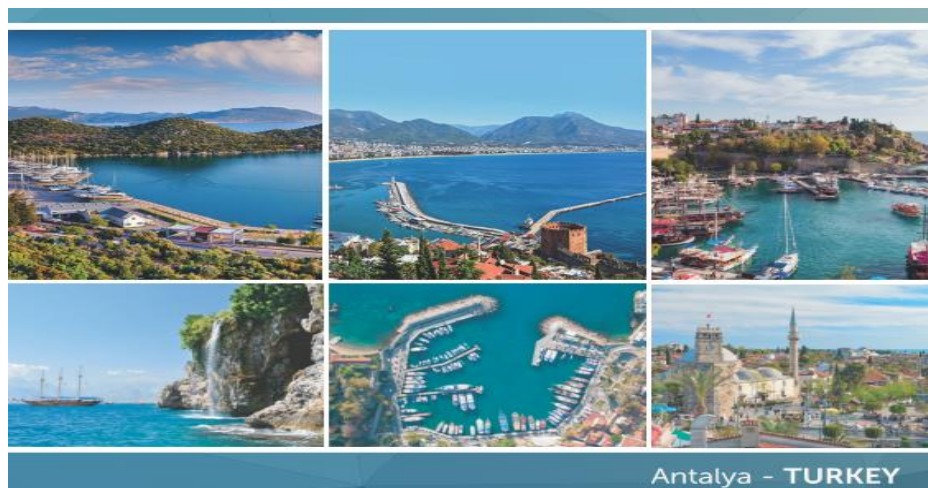
- Organised by EC BTC, hosted by international Transplant Network
- Coordinated by Turkish Transplant Foundation with support of our colleague dr. Eyup Kahveci
- 15 experts
- 25 participants







# Prep course – brief evaluation



Antalya - TURKEY

Register Your Professional Expertise  
**UEMS CETC EXAMINATION 2019**  
(Certification of European Transplant Coordinator)  
*The Division of Transplant Surgery*  
The Board of Transplant Coordination

**2<sup>nd</sup> PREPARATORY COURSE OF CETC EXAM**  
August 1-2, 2019 Istanbul • Turkey

*Exam Date:* September 14, 2019 Copenhagen / Denmark  
[www.uemssurg.org](http://www.uemssurg.org)



Hosted by

- Realization of long lasting dreams
- Covered main topics in line with basic reference
- Good quality prs
- Excellent organization and venue
- Good start for further progress
- At the 2nd course too small number of participants



# FUTURE TASKS - to conclude



- Better promotion to make the CETC popular and interesting and useful
- More active cooperation between BTC members
- CETC should be enforced by CA and NTO
- Continuation with Preparatory courses
- Project on certification needs, requirements, education, consultation experts list
- Cooperation on education
- ICU doctors



#### \*Emerging Economy Countries:

Afghanistan, Angola, Armenia, Bangladesh, Benin, Bhutan, Bolivia, Burkina Faso, Burundi, Cabo Verde, Cambodia, Cameroon, Central African Republic, Chad, Comoros, Congo, Ivory Coast, Djibouti, Egypt, El Salvador, Eritrea, Ethiopia, Gambia, Georgia, Ghana, Guatemala, Guinea, Guinea-Bissau, Haiti, Honduras, India, Indonesia, Jordan, Kenya, Kiribati, Dem. People's, Kosovo, Kyrgyz, Lao PDR, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Micronesia, Moldova, Mongolia, Morocco, Mozambique, Myanmar, Nepal, Nicaragua, Niger, Nigeria, Pakistan, Papua New Guinea, Philippines, Rwanda, São Tomé and Príncipe, Senegal, Sierra Leone, Solomon Islands, Somalia, South Sudan, Sri Lanka, Sudan, Swaziland, Syria, Tajikistan, Tanzania, Timor-Leste, Togo, Tunisia, Uganda, Ukraine, Uzbekistan, Vanuatu, Vietnam, West Bank and Gaza, Yemen, Zambia, Zimbabwe.



# On behalf of UEMS Board of Transplant Coordination Executive Committee



## Executive Committee 2016-2019

- **Chairman**

Danica Avsec, Slovenia

- **Vice Chairman**

Nikola Žgrablić, Croatia

- **Senior Secretar**

Sándor Mihály, Hungary

- **Junior Secretary**

Franziska Beyeler, Switzerland

- **Treasurer**

Barbara Uštar, Slovenia

- **EDTCO representative**

Julien Charpentier, France

- **EDTCO Certification Committee**

Jose-Maria Dominguez-Roldán, chairman,  
David Paredes, Spain

Anne Floden Sweden,

Luc Colenbie, Belgium,

Nikola Zgrablic, Croatia

- **Examiners :**

**Alberto Sandiumenge, David Paredes, Danica Avsec, Franziska Beyeler, Julien Charpentier, Nikola Zgrablić, Sandor Mihaly, Nuria Maslou**