Developing the Donation and Transplantation System in Bulgaria

Dr. Maryana Simeonova

ACCORD WP6
Development of donation and transplantation system in Bulgaria
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France
Agence de la biomédecine (ABM)

Bulgaria
Executive Agency for Transplantation (BEAT)
Development of donation and transplantation system in Bulgaria

Twinning’s Specific Objectives – fostering the transplantation activity in Bulgaria by strengthening the institutional capacity of the BEAT in three specific areas

- Structuring the procurement system at national and regional level
- Improving the monitoring and evaluation system on organ procurement and transplantation activity in Bulgaria
- Achieving sustainable pediatric kidney transplantation activity in Bulgaria
Component A - Organization of Organ Procurement in Bulgaria

6 transplant centers
27 procurement hospitals
Kidney, heart and liver transplantations

Outcomes:

• Transplant coordinators trained in France

• Organ procurement organized at regional and national level
Outcome - Establishment and harmonization of 9 SOPs and preparation of Transplant Coordinator’s Manual:

SOP 1 - Donor Coordinator’s Missions,
SOP 2 - Identification of potential brain dead donors,
SOP 3 - Brain death diagnosis,
SOP 4 - Family approach,
SOP 5 - Organ donor maintenance,
SOP 6 - Maintenance of Paediatric Organ Donor,
SOP 7 - Donor and organs characterisation,
SOP 8 - Packaging and transport,
SOP 9 - Serious adverse events and reaction management
Development of donation and transplantation system in Bulgaria

Component B - Production of information on organ procurement and transplantation activity

A review of the existing monitoring and evaluation system has been done by ABM with recommendations for improvements and development.

Outcomes:

• Bulgarian IT expert trained at ABM.

• Bulgarian transplant data processed by the Agency of biomedicine, and drafted an activity report, that presents transparent and comparable with other EU countries data.
Component B - Production of information on organ procurement and transplantation activity

Outcomes:
• Successful application for EC funding of two projects that are financed at present by Operational Programme Administrative Capacity:

✓ Establishment of information-communication environment, supporting database for transplantation of organs, tissues and cells

✓ On-line service of citizens and business by development of integrated information system providing administrative services
Component C - Support to kidney paediatric transplantation

Outcomes:

- 6 children kidney transplantations with participation of French (Robert Debré hospital) and Bulgarian transplant teams were carried out in Sofia between 2006 and 2010.

- BEAT and Bulgarian Ministry of Health support the development of a sustainable care network for children.

- Recommendations were made for upgrading the hospital equipment in order to ensure follow-up of the patients when adult.
Development of donation and transplantation system in Bulgaria 2012 - 2014

Milestones of system development

Changes in the legislative base:

• Revision of the Regulation for the transplantation’s expenditure (including the remuneration of the transplant coordinators in 2013)
• Amendment in LTOTC with inclusion of lost income refund for living donors - (2013)
• Establishment of a working group for preparation of an amendment of the LTOTC and inclusion of paired donation in the law

Introduction of extended donor’s criteria – (mean donor age in 2013 – 51 years)
Development of donation and transplantation system in Bulgaria

Milestones of system development – optimization of the Agency’s operation

Applicable systems
- Information system - Transplant
- Documents’ recording
- Human Resources
- Accounting
- Entry control

Personal productivity
- Office applications (Word, Excel)
- Institutional portal
- E-mails
- Unified communications

IT Infrastructure
- System software
- Hardware
- Servers
- PCs
- Communication connectivity

IT Governance
- IT Department
  - IT infrastructure
  - LOB Applications

IT outsourcing
- IT infrastructure
- LOB Applications
Milestones of system development

Additional financing from EC Operations Programme “Administrative Capacity” – 2 projects:

- Development of integrated information system providing on-line administrative services for citizens and business in BEAT

- Development of information-communication environment that supports database for transplantation of organs, tissues and cells.
Development of donation and transplantation system in Bulgaria 2012 - 2014

Milestones of system development

Active work with media

• Establishment of an Internet site dedicated to donation - http://www.bgdonor.com/
• Celebration of the European Donation Day into a week dedicated to transplanted (since 2013 – Parades of the transplanted; Exhibitions; Concerts; Sport events)
• BEAT’s website publishes official statements on issues connected with transplantation
• Interviews on various occasions on TV, radio, newspaper, journal interviews (publications in the press and in Internet; radio and TV interviews, meetings with students at universities and schools)
Development of donation and transplantation system in Bulgaria 2012 - 2014

Milestones of system development:

Participation in EU projects (ACCORD, FOEDUS, ARTHIQS)

Cooperation with EUROTRANSPLANT since December 2013

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<tr>
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Participation in COORENOR platform since 2014
Achievements due to participation in ACCORD project:

Since 2012, transplantations activities have more than doubled in Bulgaria
Thank you to

- all Bulgarian colleagues that contributed to the development
- French twining partners that inspire us for the achievements
- EC Commission that supports us in our work

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