EUROPEAN QUALITY SYSTEM INDICATORS AND METHODOLOGY ON ORGAN DONATION (ODEQUS PROJECT)

Summary

1. General objectives
   General
   - To determine the standards of best practices and to develop quality indicators for Donation after Brain Death (DBD), Donation after Cardiac Death (DCD) and Living Donation (LD) in order to create tools to evaluate the overall quality in organ donation.

   Specific
   - To identify and develop Quality Standards (QS) in the 3 types of organ donation (DBD, DCD and LD) in the participating hospitals in order to define Quality Indicators (QI).
   - To define and create Quality Indicators (QI) to determine and measure the organizational structures and clinical procedures on the 3 types of organ donation in the participating hospitals.
   - To train healthcare professionals in the creation and implementation of QS and QI.
   - To develop Auditing tools to evaluate the implementation of the best practices described in the QS and the use of the QI.
   - To train healthcare professionals in the use of the QI checklists and auditing procedures – both for organizational structures and clinical procedures - defined and based on QS.

2. Strategic relevance and contribution to the public health programme
   The ODEQUS counts with the participation of 13 partner organizations from 11 European countries. For the election of the partners the following criteria were taken into consideration, in order to find a representative sample of the diversity of the European countries:
   - Expertise on some type of donation
   - Experience in previous collaborative European projects (such as Alliance-O, ETPOD, DOPKI, EQSTB, EULID)
   - Diverse efficiency of the donation programs in their countries
   - Geographical and social situation

   Moreover, these last two points are added values of the project as the tools to be created would be wide enough to be implemented in the different target hospitals. As a result, the tools may be later exported to other EU Countries.

3. Methods and means
   The project will cover 3 aspects of the donation services: structure, procedures and outcomes.
The best practices will be identified through literature review and research for evidence. Quality Indicators (QI) and a Data Gathering System (DGS) on organ donation services will be created considering its organizational structures and clinical procedures. The main fields considered for measuring the organizational structures will be: legal framework, accreditation and certification, organization, human and material resources, education and research. Concerning the clinical process, the main fields will be: donor identification, clinical evaluation, death diagnosis, family/personal consent, donor maintenance, organ viability, surgical recovery and preservation, number of donors/organs/transplants. Two types of training will be offered for 11 donation experts, to enable them to document the QS, to create the QI, and use the evaluation tools. After the implementation of QS and QI in the respective hospitals, an external Evaluation will be done in at least 1 participating donation service.

4. Expected outcomes
Based on the identification of QS and related QI, the ODEQUS will provide tools to improve the quality in the clinical process and management in 3 types of organ donation (DBD, DCD and LD). The expected outcomes are:
- Quality Standards of best practices on the 3 types of organ donation will be selected and/or developed, systematized and disseminated within the scientific community of the ODEQUS project
- Quality Indicators and a Data Gathering System on organizational structure and clinical procedures of European organ donor services will be developed
- Evaluation Tools addressed to organ donation services will be elaborated and disseminated within the scientific community of the ODEQUS project.
- Organ donor professionals and services from 11 participant hospitals will be trained to develop QS and QI and to use the evaluation tools.
- All outcomes will be accessible and applicable in other hospitals and regions.

Keywords and portfolio
Keywords
Tissue, cell and organ transplants within Healthcare
Pilot testing within Methods
Organ Transplantation within Substances of Human Origin within Health safety & security

Portfolio
Organ Transplantation within Substances of Human Origin within Ensuring health security

✓ Fundació Bosch I Gimpera - FBG (from 16/12/2010) (Spain)
✓ FUNDACION INVESTIGACION BIOMEDICA HOSPITAL GREGORIO MARANON (Spain)
✓ DONATION TRANSPLANT INSTITUTE (Spain)
✓ AGENCE DE LA BIOMÈDECINE (France)
✓ NHS BLOOD AND TRANSPLANT (United Kingdom)
✓ FONDAZIONE PER L’INCREMENTO DEI TRAPIANTI D’ORGANO E TESSUTI ONLUS (Italy)
✓ POLISH TRANSPLANT COORDINATING CENTRE (Poland)
✓ Autoridade para os Serviços de Sangue e da transplantação - ASST (Portugal)
✓ FUNDATIA PENTRU TRANSPLANT ROMANIA (Romania)
✓ KAROLINSKA INSTITUTE (Sweden)
✓ Medizinische Stiftung Universität Wien - MUW (Austria)
✓ MINISTRY OF HEATH AND SOCIAL WELFARE REPUBLIC OF CROATIA (Croatia)

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Reports & deliverables

Final Report
✓ Final Report
✓ Final Report (EN) (C)

Assessment Report
✓ Internal Assessment
✓ PO assessment note (EN) (C)

Deliverables
✓ Deliverables
✓ D01 - Interim Report (3)
  ✓ D01 - Interim Report E(N) (C)
✓ D02 - Final Report + Final Evaluation Report of the Project (3)
  ✓ D02 - Final Report + Final Evaluation Report of the Project (EN) (C)
✓ D03 - Layman brochure (7)
  ✓ D03 - Layman brochure (EN) (P)
✓ D04 - Website (7)
  ✓ D04 - Website (EN) (P)
✓ D05 - Comparative Study on Quality Standards of best practices in the 3 types of organ donation in 11 European countries (6)
  ✓ D05 - Comparative Study on Quality Standards of best practices in the 3 types of organ donation in 11 European countries (EN) (P)
✓ D06 - Manual on QS and QI on the 3 types of organ donation (6)
  ✓ D06 - Manual on QS and QI on the 3 types of organ donation (EN) (P)
✓ D07 - Data Base (6)
  ✓ D07 - Data Base (EN) (P)
✓ D08 - Audit Guide (6)
  ✓ D08 - Audit Guide (EN) (P)
✓ D09 - Training course Manual on QI, Data Gathering System (DGS) an audit for organ donation professionals and services (6)
  ✓ D09 - Training course Manual on QI, Data Gathering System (DGS) an audit for organ donation professionals and services (EN) (P)
✓ D10 - Study Protocol (3)
  ✓ D10 - Study Protocol (EN) (P)

Others
✓ Others