

Overview CHARE GD-II sub projects.

Title : Early and Late Infections following Implant Surgery: DE-NL cross-border comparison

Scientific project leaders:

| German side | Dutch side |
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| Prof. Rudy Leon De Wilde, MD, PhD University Hospital for Gynecology, Pius Hospital Oldenburg Faculty of Medicine and Health Sciences Carl von Ossietzky University Oldenburg | Ben R. Saleem MD, PhD University of Groningen and UMCG Faculty of Medicine Department of Vascular surgery Groningen |

Student / researcher conducting the project: Francine Vos

Starting date of the project: 01.04.2022

Project description:

We expect to disclose the cross-border incidence of breast implants (BI) and vascular grafts (VG) related surgical site infections (SSI) and their causative micro-organisms, get insight in the differences in protocols, guidelines and standard operating procedure (SOP) and thereby expect to be able to identify best practices. Implementation of best practices in BI and VG surgery will be the logical next step of this project, which will hopefully contribute to improve the health care quality in the northern NL-DE cross-border region, while reducing the rate of infections, antibiotic resistance, implant loss, disability and mortality of these groups of patients. Our results may help the development of e-health tools to better implement and monitor the use of new guidelines, protocols and SOPs to prevent SSI following BI and VG surgery, and antibiotic resistance in all participating centers in NL and DE.

Methods: In a retrospective cohort study, we will examine the data of the approximately 1000 patients that underwent BI and VG surgeries in the last 10 years in northern NL and DE hospitals (UMCG-NL, Nij Smellinghe Drachten-NL, Ommelander Ziekenhuis Groningen-NL, Pius hospital Oldenburg -DE, Klinikum Oldenburg-DE and Bonifatius Lingen-DE). In addition, a cross-border quantitative electronic survey (based on prior research, 5) will be used to compare the relevant protocols, guidelines and SOP's used in the involved hospitals on both sides of the border to study healthcare system differences.