

Our outcomes

- Transnational collaboration
- 4 new regional fracture registries
- Transnational fracture registry platform
- Innovation reports
- Transnational R&I infrastructure
- 3 transnational pilots (infections, diagnostics of osteoporosis and post-surgery complications within fracture treatment)
- Education and training

Impact on target groups

- Companies: Innovation needs and potentials, cooperation, product performance, efficient post-market surveillance
- Hospitals: Quality benchmark with other hospitals/countries, reduce complications, reduce costs, cooperation
- Medical professionals: Professional development in fracture treatment, benchmark with other medical professionals, benchmark of different treatment methods
- Clinical research: Real life data, mirroring real life conditions, epidemiological data
- Health authorities and health insurances: Potentials for cost reductions, planning of health care provision

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Project Management

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B FCC
Baltic Fracture Competence Centre



Interreg
Baltic Sea Region



- Life Science Nord Management GmbH (Germany)
- Stryker Trauma GmbH (Germany)
- University Medical Center Schleswig-Holstein (Germany)
- University Medicine Greifswald (Germany)
- Sahlgrenska University Hospital (Sweden)
- ScanBalt fmba (Denmark)
- Lithuania University of Health Science (Lithuania)

- LifeScience Krakow Klaster (Poland)
- University Hospital in Krakow (Poland)
- University of Tartu (Estland)
- Tartu Biotechnology Park (Estland)
- Bone Index Finland Ltd. (Finland)
- BONESUPPORT (Sweden)

**Fostering innovation
for better fracture
management**

Project

The **Baltic Fracture Competence Centre (BFCC)** is a pan-Baltic fracture cooperation network fostering innovation within fracture management. The project consortium consists of a transnational cross-sector partnership involving five hospitals, three companies from the medical technology industry, a university, three clusters and one technology transfer organisation.

Due to an ageing society the need for innovative products and clinical procedures for fracture treatment is increasing as a response to age-related fractures and co-morbidities such as osteoporosis, infections and non-unions. Innovations in fracture management must reduce the cost of care or clearly improve the quality of care.

Lack of information

Clinicians and companies often lack insight information about the total costs and effectiveness of fracture management and causes of adverse health outcome in the hospitals. To overcome this information gap the BFCC will develop and implement a transnational fracture registry of five hospitals from Estonia, Germany, Lithuania, Poland, and Sweden providing evidence about fracture treatment in the clinical "real world" and reveal clinical needs and potentials for innovation.

Identifying the clinical needs

Clinicians will support the innovation process by identifying the clinical needs to ensure user-oriented product development. The collaboration between

hospitals across countries will foster the innovation of clinical procedures through the exchange of best practice in fracture management influenced by different national, organisational and regulatory conditions.

Tests in pilots

To test the BFCC platform for its performance regarding industry-hospital cooperation, three demonstration pilots will be carried out within the research areas of I) infections after fractures, II) bone density measurement after fractures and III) complication management after fracture treatment.



Project facts

- Partners: 13 organisations from 7 Baltic Sea countries
- Duration: 36 months (2016–2019)
- Total budget: about EUR 3.6 million
- Programme: Interreg Baltic Sea Region
- Fund: European Regional Development Fund
- Flagship project of the EU Baltic Sea Region strategy
- Lead Partner: Life Science Nord Management GmbH



Our objectives

- To strengthen the capacity of the five hospitals within fracture management in Estonia, Germany, Lithuania, Poland, and Sweden.
- To collaborate amongst the five hospitals and with companies for the demand driven identification of innovation needs and potentials, co-development of products and clinical procedures as well as facilitation of transnational market understanding and access within the industrial sectors: trauma devices, imaging, pharmaceuticals and wound care.
- To develop and implement a transnational fracture registry providing a unique multinational research and innovation infrastructure for evidence based clinical research and innovation between hospitals and companies in the field of fracture management.
- To implement and test the BFCC innovation platform in three transnational hospital-industry collaboration pilots within the innovation topics infections, diagnostics of osteoporosis and post-surgery complications within fracture treatment.



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