

Rapid Recovery Programme Hip / Knee

Case Study

University Medical Centre of the
Johannes Gutenberg University Mainz,
Centre for Orthopaedics and Trauma

University Medical Centre of the Johannes Gutenberg University Mainz

- More than 60 specialist clinics, institutes, and departments
- 1,642 beds
- More than 300,000 patients per year

Centre for Orthopaedics and Trauma Surgery

- Certified endoprosthesis centre
- Certified Tumour Centre at UCT
- Centre of Reference Clinic for Rapid Recovery
- 108 beds, five of which are monitoring beds
- 4.5 operating rooms
- Start of Rapid Recovery implementation: July 2014
- Start of Rapid Recovery pilot: June 2015
- Primary knee endoprostheses 2017: 248 (only RR patients)
- Primary hip endoprostheses 2017: 160 (only RR patients)
- Funding of the project “**PRO**cess **OptiMI**zation through interdisciplinary and cross-**SE**ctoral care using the example of patients with hip and knee endoprostheses (PROMISE)” (funded with € 5.1 million by the Innovation Fund of the G-BA*)

“With the help of Zimmer Biomet, we have established a standardized evidence-based treatment process to optimize treatment outcomes as well as increase patient and employee satisfaction. This has enabled us to become the first Fast Track Research Centre in the German-speaking countries. In the future, we will make a significant contribution to the proof and further development of the concept”.

“The University Medical Centre of the Johannes Gutenberg University Mainz is the second hospital in which I have established the Rapid Recovery Programme with great success. The regular interdisciplinary exchange leads to a continuous improvement of treatment results and patient satisfaction with high employee motivation”.

Prof. Dr Philipp Drees MD,
Head of Orthopaedics and Rheumatism Orthopaedics, Deputy Director
of the Centre for Orthopaedics and Trauma Surgery at the University
Medical Centre of the Johannes Gutenberg University Mainz

Objectives

- Expansion of the endoprosthesis focus and certification as a certified endoprosthesis centre
- Establishment of the University Hospital of Mainz as the leading clinic in endoprosthetics
- Introducing the first Fast Track Research Centre in German-speaking countries
- Creation of a standardized evidence-based treatment procedure to optimize the treatment result and increase patient and employee satisfaction

Activities

- Development of interdisciplinary and cross-sectoral standards along the care process
- Continuous review and optimization of the clinical treatment concept based on Fast Track principles and currently available evidence
- Active patient involvement through standardized and comprehensible information about the entire course of treatment
- Launching of the Centre for Orthopaedics and Trauma Surgery as the first German-speaking Fast Track Research Centre in the European network, through ongoing evaluation of the Rapid Recovery Programme and scientific publication of the results

* The Federal Joint Committee (G-BA) is the highest decision-making body of the joint self-government of physicians, dentists, hospitals and health insurance funds in Germany.

It issues directives for the benefit catalogue of the statutory health insurance funds (GKV) for more than 70 million insured persons and thus specifies which services in medical care are reimbursed by the GKV.

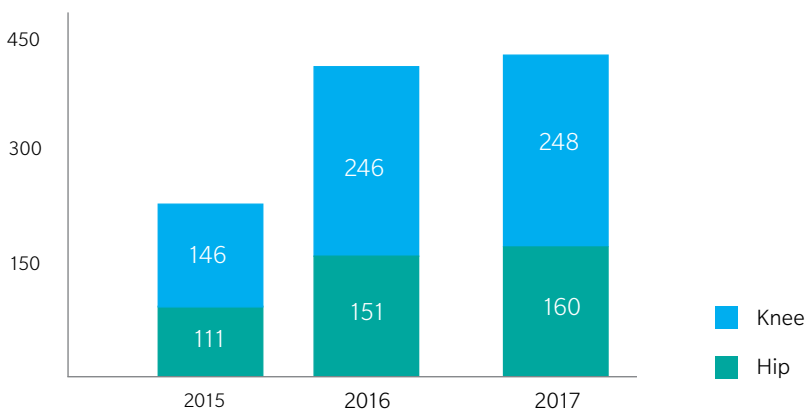
The Rapid Recovery Programme of Zimmer Biomet Germany



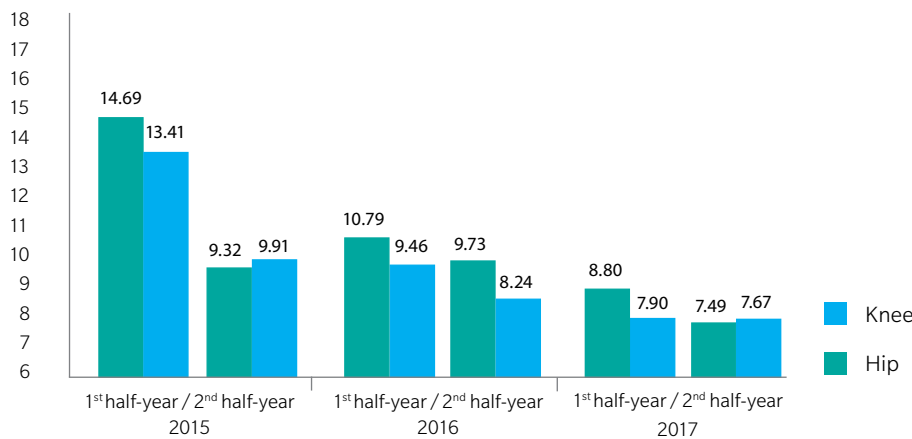
- ← Proactive communication of medical successes and increase of positive reputation
- ← Collection and evaluation of patient-relevant data as a basis for continuous improvements
- ← Optimisation of clinical results based on evidence-based Fast Track approaches
- ← Process optimisation through the development of pathways, patient engagement and an interdisciplinary team approach
- ← Compass: Actual analysis of current care concepts compared with Rapid Recovery protocols; derivation of priorities and the project plan

Results

Number of cases



Length of stay (LOS) time



DRG revenues based on the case based lump sum catalogue

