

## Increasing profitability in elective orthopaedic surgery through active tracking of patient mobility

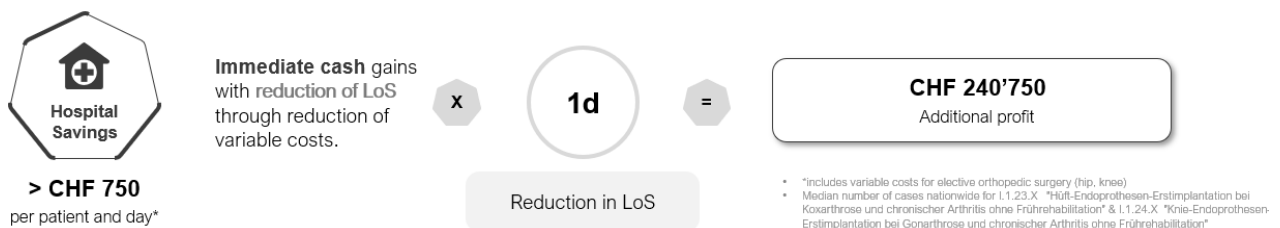
Early mobilisation is a core principle of fast-track models. Effective activity tracking makes progress visible, optimises implementation and shortens the length of stay - with direct financial benefits for the hospital. This increases capacity utilisation and generates additional income - without cost-intensive expansion of bed capacity

### **Pain:** Inadequate mobilisation - an avoidable cost and risk factor

Consistent mobilisation is crucial to the success of treatment, but in practice it often fails due to a lack of time and staff shortages. Nursing staff or case managers must regularly check whether patients have moved sufficiently - a task that is almost impossible to carry out seamlessly in the hectic hospital routine. The result: longer hospital stays, an increased risk of complications such as deep vein thrombosis and ultimately avoidable financial losses.

### **Gain:** Efficient mobilisation - less effort, shorter dwell time, more profit

Effective activity tracking allows mobilisation to be individually controlled and transparently recorded. Patients are divided into activity levels and given personalised movement targets, the achievement of which is automatically documented using activity trackers. In this way, mobilisation is consistently implemented without additional effort for the nursing staff. This shortens the length of stay, reduces complications such as venous thrombosis, relieves the burden on staff and thus optimises the use of resources.



**In - Depth Solution:** Continuous data acquisition with wearables and seamless integration into hospital systems - data sovereignty remains entirely with the hospital.



Leitwert AG, founded in 2014 at ETH Zurich, specialises in seamlessly integrating connected medical wearables into clinical processes and IT systems to exploit the potential of wearable sensors for the benefit of patients and hospitals. Our comprehensive IoMT-Device+Hub platform brings together portable (mobile) sensors and data-driven applications to improve the quality and efficiency of care through digitalisation.

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