Emergency suited external orthopedic fixator for intuitive and independent translational motions

Technology Market

Orthopedic device (reconstructive, trauma)

Orthopedic external fixation systems are used for reduction and stabilisation of joint dislocations and fractures.

External fixators can be used as a primary means of reduction and stabilisation of dislocations and articular fractures for: A) temporary external fixation to stabilize the injury, allow soft tissue to recover, plan the definitive internal fixation and B) definitive fixation when internal osteosynthesis is not possible.

The UCL / Saint-Luc invention

The present orthopedic external system provides an easy-to-use fixator for ankle and hindfoot fracture-dislocations, well-suited for emergency situations, and implementing simple motion compared to existing systems.

Key figures

- At least pure relative translations between the frame elements, independently in three directions,
- Easy to use even with basic training in orthopedic fixators,
- No need for any software performing the calculation of the necessary adjustments,
- Reduction within a single plane without modifying the adjustments made in the two other planes.

Technology Status

Proof-of-concept successfully validated on synthetic bone models.

This work is the subject of an EP patent application filed on 29/05/2015 (application number EP15169978.2).

Preferred Partnership

Joint development, licensing opportunities

INTERESTED TO DEVELOP AND / OR COMMERCIALISE THIS TECHNOLOGY?

Please contact:

Sébastien ADAM
Technology Transfer Advisor

+32 (0)10 47 24 43
sebastien.adam@uclouvain.be
www.LTTO.com