novel

loadsol®

for controlled weight bearing

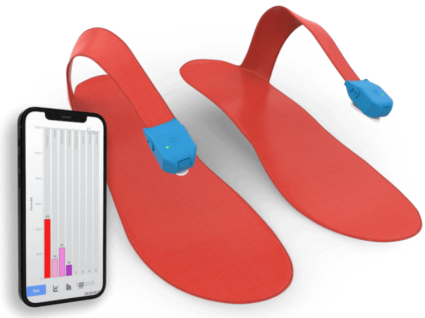
Load monitoring for lower extremity rehabilitation

Use loadsol® for **rehabilitation** after lower extremity interventions (e.g. surgery). **Support fracture healing** with controlled weight bearing monitoring and feedback **during therapeutic training.**

Capture the interaction between body and ground accurately, effortlessly, and with flexibility.

loadsol® key benefits for practitioner:

- record extremity loads and monitor load bearing accurately and reliably using novel's high quality standards
- collect data sets remotely and in realtime
- measure during daily activities and provide the easy-to-use system for monitoring home progress
- synchronize using loadsync with lab equipment via TTL pulse



Application package

Utilized system and software

Insoles:
6 x loadsol® - mlp of each size

+

Measurement:
loadapp

+

Evaluation:
loadpad Analysis

For unrestricted implementation we recommend 6 pairs of loadsol® in various sizes and the loadpad® analysis software to comprehensively evaluate the individual's progress.

References and publications

Published literature using the loadsol® for load monitoring after lower extremity intervention:

Ability to control the load after surgery
Gait & Posture (Mittlmeier, T. et al., 2006). Partial weight bearing after surgery for fractures of the lower extremity

Effect of insole feedback training on partial weight bearing retention
Gait & Posture (Augat, P. et al., 2022).

Plantar force loading after achilles tendon rupture repair
Journal of Sports Medicine (Ackermann, P. W., et al., 2019).

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