The standard in Ergometry

MR Ergometer

Dorsal Ankle Flexion

A specialized medical device designed for precise and controlled ankle flexion exercises during magnetic resonance imaging (MRI) examinations.

Specialized ergometry for ankle muscles

The MR Ergometer – Dorsal Ankle Flexion has been engineered to meet the high demands of clinical and research applications in magnetic resonance imaging and spectroscopy. Specifically designed for spectral analysis of the tibialis anterior, m. Soleus, and m. Gastrocnemius, it enables highly targeted examination of muscle function and performance.

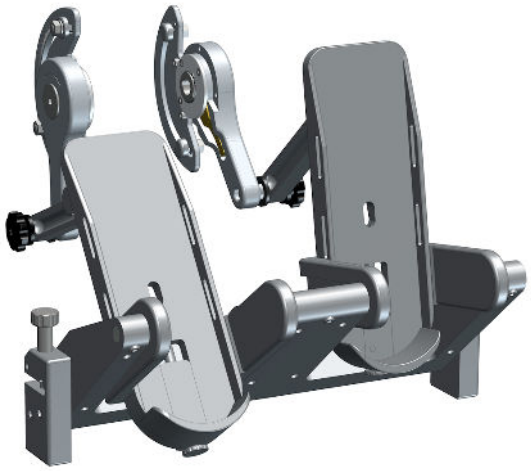
Optimized positioning for accurate imaging

This MR Ergometer ensures stable and reproducible dorsal ankle flexion inside the MRI bore, minimizing motion artifacts while enabling precise loading of the desired muscle groups. Its design supports both functional imaging and advanced spectroscopy, making it a valuable tool for sports medicine, orthopaedics, and rehabilitation research.

MR conditional for safety and compatibility

Fully MR conditional, the ergometer integrates seamlessly into the MR environment, ensuring safety, compatibility, and artifact-free results. This compliance guarantees reliable performance under the specific electromagnetic conditions of MRI systems, essential for high-quality diagnostics and reproducible research outcomes.

- Works with LEM software for precise control, monitoring, and data analysis.
- Part of MR Ergometer range.
- Trusted by 100+ hospitals worldwide.
- Adjustable workload up to 100 watts.



Why the MR Ergometer?

High standards

Lode is a socially and environmentally responsible company. All Lode products are RoHS/WEEE compliant and Lode is ISO 9001:2015, and ISO 13485:2016 certified. All medical products comply to MDD 93/42/EEC, incl. IEC 60601-1.

Tesla independent

The choice of materials and the special design makes that the Lode MRI ergometer is useable for various Tesla MRIs without giving artifacts on the imaging.

Exercise instead of medicine

When a test subject is able to do exercise, it is always recommended above pharmacologic stress. It allows objective measurement in either level of cardiac conditioning and/or level of cardiac work. It is safe and perfectly reproducible.

Unique ergometer for MRI

With this unique ergometer it is possible to perform an exercise test in an MRI. An ergometer on the tabletop of an MRI ensures minimal time stress induction and imaging without coursing artifacts on the imaging.

Designed for use with MRIs at 1.5 and 3 Tesla

The ergometer can be used with various types of MRI scanners from renowned brands, like:

- Philips
- Siemens
- GE
- United Imaging

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