

Simulation Magnetic Resonance Imaging scanner (MRI dummy)

<https://search.researchequipment.wur.nl/SearchDetail.aspx?deviceid=1628f539-0b89-4eaa-b8c6-7bc999a32cc0>

Brand

Custom-built

Type



Contact

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Organisation

Agrotechnology & Food Sciences Group

Department

Human Nutrition & Health

Description

The simulation scanner has the same size, appearance and sounds as a real MRI scanner. It is mostly used in functional MRI studies for training sessions to acquaint subjects with experimental procedures and the scanner environment. This improves data quality in subsequent real (f)MRI examinations. For patients a training session can reduce anxiety and thereby movement artefacts in a real MRI examination.

Technical Details

A workstation, speakers and a beamer/screen are part of the set-up, to administer sound (e.g. MRI sound) and visual stimuli.

Complementary Techniques

This scanner is complementary to the 3T MRI scanner.