Development, optimization and evaluation of MRI technology for improved visualization and quantification of tissue and organs in healthy volunteers.

Published: 23-10-2024
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To develop, optimize and evaluate MRI sequences and technology.

Ethical review	Approved WMO
Status	Pending
Health condition type	Other condition
Study type	Observational invasive

Summary

ID

NL-OMON57170

Source
ToetsingOnline

Brief title
Mri healty volunteers

Condition

- Other condition

Synonym
tissues and organs

Health condition

gezonde vrijwilligers

Research involving

Human

Sponsors and support

Primary sponsor: Erasmus MC, Universitair Medisch Centrum Rotterdam
Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: Development, healthy volunteers, MRI-technology, Sequences

Outcome measures

Primary outcome

Parameters of image quality: artefacts, signal to noise, contrast to noise,

reproducibility, accuracy.

Secondary outcome

na

Study description

Background summary

MRI sequences/technologies have to be developed, optimized and evaluated in healthy volunteers in order to assess the performance of these sequences/technologies in the visualization and quantification of tissues and organs.

Study objective

To develop, optimize and evaluate MRI sequences and technology.

Study design

Observational diagnostic study.

Study burden and risks

Burden: MRI examination for maximum 90 minutes. Exposure to acoustic noise. Contrast media injection if applicable. Risks: incidental findings. Allergic

reaction due to contrast media injection.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

Healthy subject (defined as a volunteer who is not referred to Erasmus MC with signs and symptoms of disease)
- At least 18 years old
- Signed informed consent

Exclusion criteria

- Personen met een typische contra-indicatie voor een MRI-onderzoek.
- Vrijwilliger met metalen implantaten.
- Vrijwilliger met contrastallergie - Zwangerschap
- Lichamelijk of geestelijk beperking voor toestemmig geven
- Niet-geïnformeerd willen worden over nevenbevindingen

Study design

Design

Study type: Observational invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Diagnostic

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	15-11-2024
Enrollment:	1000
Type:	Anticipated

Ethics review

Approved WMO

Date:	23-10-2024
Application type:	First submission
Review commission:	METC Erasmus MC, Universitair Medisch Centrum Rotterdam (Rotterdam)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
CCMO	NL85764.078.23