



PHILIPS

ScanWise Implant

A key to confidence with **MR Conditional implants**

Philips ScanWise Implant for 1.5T MR systems

Key benefits

- Confidently scan patients within the MR Conditional limits
- Easily set up scanning parameters
- Set parameters for all scans in the ExamCard just once
- Streamline your workflow

Patients with MR Conditional implants are often denied MRI exams. That is because it is not always easy for clinicians to set the MR system parameters as to adhere to the implant's safety conditions. This can reduce diagnostic options for this growing population of patients and cut off a stream of potential referrals to your institution. To simplify your scanning process for patients with MR conditional implants, ScanWise Implant software provides step-by-step guidance to enter the condition values of the implant manufacturer. Your MR system then automatically applies these values for the entire examination. ScanWise Implant empowers you to serve this growing patient population with confidence and to increase your referrals.

ScanWise Implant

Implant Conditions

MR conditional

This is a 1.5T. Does the implant documentation state that scanning is allowed at 1.5T?

Allowed at 1.5T Not allowed

Implant Conditions

MR conditional

Is a maximum spatial gradient field value specified for the implant?

Maximum spatial gradient field value of the implant 390 Gauss/cm

Not specified

The spatial gradient field is sometimes referred to as static field gradient, MSG, SFG, SGF

[Know More](#)

Implant Conditions

MR conditional

What is the maximum specific absorption rate (SAR) specified for the implant?

Select the SAR type for the implant

Whole body

Head

Do not confuse implant SAR type with the anatomy to be examined. [Know More](#)

Enter the maximum SAR for the implant

1.1 W/kg

Implant Conditions

MR conditional

For an MR Conditional implant other conditions may be specified by the implant manufacturer, including, but not limited to:

- Use of a specific coil
- Configuration of the implant itself
- Patient preparation/condition (such as no sedation, good communication and other)
- Maximum dB/dt. The dB/dt refers to the rate of change of the magnetic field generated by switching gradients.

Are there any additional constraints specified for this implant for use in MRI?

Optional enter a maximum dB/dt condition, if specified in the implant documentation:

Specified dB/dt value for the implant Trs

Not specified

Implant Conditions

MR conditional

Confirm implant conditions

Allowed field strength 1.5 T

Maximum SAR 1.1 W/kg, Whole body

Maximum spatial gradient 390 Gauss/cm

Additional conditions Call John...

I confirm that:

- All values for the implant are entered correctly
- The responsible physician approves this patient for MR scanning

The implant must NOT touch the red areas

These areas exceed the specified maximum spatial gradient value for this implant

Details

ScanWise Implant guided User Interface: Entering condition values, as specified by the implant manufacturer, before start of patient scanning

Examination conditions

Maximum SAR 1.1 W/kg, Whole body

Spatial gradient field 390 Gauss/cm

Additional conditions Call John before starting

The implant must NOT touch the identified areas

Restricted Area for the implant

The implant must NOT touch the red areas

These areas exceed the specified maximum spatial gradient value for this implant

Specified maximum spatial gradient field value: 390 Gauss/cm

Front cover view

Side view, vertical section through the scanner

Top view, horizontal section through the scanner

Print Close

All scan parameters are automatically adjusted and the MR scanner will adhere to the conditions throughout the whole examination.