



Ingenia 1.5T Wrist 2D vs 3D

ExamCard

ExamCard

Ingenia 1.5T
Release 5
2D vs 3D, Compressed
SENSE, dStream,
Musculoskeletal

Download ExamCard 1.5T Wrist 2D vs 3D

The ExamCard will be downloaded as a zip file and needs to be unzipped before you can use it on your MRI scanner. Please use the Feedback button on the home page if you experience download problems.

ExamCard description

This is a comprehensive Release 5.4 ExamCard for wrist imaging on Ingenia 1.5T.

Compressed SENSE is used in all sequences, reducing the scan time while maintaining virtually equal image quality compared to scans without Compressed SENSE.

Some 3D sequences have been added, which have a in-plane resolution that is comparable to 2D, but much thinner slices.

As Compressed SENSE now allows to achieve shorter scan times for these 3D sequences with thinner slices, these become attractive to potentially replace the 2D sequences, providing more confidence for making a diagnosis thanks to the higher spatial resolution.

ExamCard overview

Sequences, scan times and voxel sizes:

Sequences			Voxel size	Scan time
Coronal	PDw SPAIR	2D	0.3 x 0.4 x 2.0 mm	3:32 min.
Coronal	PDw SPAIR	3D	0.3 x 0.4 x 0.5 mm	3:40 min.

Coronal	T1w TSE	2D	0.3 x 0.4 x 2.0 mm	2:01 min.
Coronal	T1w SPIR	2D	0.3 x 0.4 x 2.0 mm	2:39 min.
Axial	PDw SPAIR	2D	0.3 x 0.5 x 2.0 mm	2:39 min.
Axial	PDw SPAIR	3D	0.3 x 0.5 x 0.5 mm	3:28 min.
Sagittal	PDw SPAIR	2D	0.3 x 0.4 x 2.5 mm	3:44 min.
Sagittal	PDw SPAIR	3D	0.4 x 0.5 x 0.8 mm	3:38 min.
Axial	T1w SPIR post contrast	2D	0.4 x 0.5 x 2.0 mm	2:09 min.

Courtesy of Radiologie am St. Joseph-Stift, Bremen, Germany

Ingenia 1.5T Wrist, 2D vs 3D

This Release 5.4 ExamCard for wrist imaging on Ingenia 1.5T includes 3D sequences with a comparable in-plane resolution but much thinner slices than 2D. The short scan times achieved thanks to Compressed SENSE, make these 3D sequences attractive to potentially replace the 2D sequences.

MRI • ExamCard

On: Jun 08, 2020

[Print](#)

[Contact](#) | [Philips](#) | [Terms of use](#)

© Koninklijke Philips N.V., 2017. All rights reserved.