



Ingenia 1.5T Comprehensive knee exam with Compressed SENSE

ExamCard

Ingenia 1.5T
Release 5
aTSE, Compressed SENSE
dStream, Knee, Muscul
SPAIR

ExamCard

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Note: Change the "Save as Type" to "All Files" (default is "Text Document") to ensure that the ExamCard is saved in the correct format (.ExamCard).

Please note that the ExamCard will be downloaded as a zip file. You will need to unzip the ExamCard first, before you can use it on your MRI scanner.

ExamCard description

This is a comprehensive Release 5.6 ExamCard for knee imaging on Ingenia 1.5T. Compressed SENSE is used in 2D sequences to reduce the overall examination time without losing image quality.

This ExamCard includes comparisons of all sequences showing virtually no compromise in image quality when using Compressed SENSE to shorten the scan time of 2D Knee sequences.

ExamCard overview

Knee CS comparison		00:40:56
SURVEY		
s2_SAG PDW...	SAG	
cs2.6_SAG PD...	SAG	
s2_SAG T2W...	SAG	
CS LT SAG T2...	Geo8	L
s1.4_PDW_aTSE	COR	
cs1.9_COR PD...	Geo9	L
s1.5_COR PD...	COR	
cs1.8_COR PD...	Geo10	L
s2_AX T1W 30...	TRA	
cs2.4_AX T1W...	Geo11	L
s2_AX PDW_S...	TRA	
cs2.2_AX PDW...	Geo12	L

ExamCard parameters

Sequences		Scan time	Voxel size
Sagittal PDw aTSE	No Compressed SENSE	2:54 min.	0.3 x 0.4 x 3.0 mm
Sagittal PDw aTSE	With Compressed SENSE	2:10 min	0.3 x 0.4 x 3.0 mm
Sagittal T2w SPAIR	No Compressed SENSE	5:31 min.	0.4 x 0.5 x 3.0 mm
Sagittal T2w SPAIR	With Compressed SENSE	4:38 min.	0.4 x 0.5 x 3.0 mm
Coronal PDw aTSE	No Compressed SENSE	2:44 min.	0.3 x 0.4 x 3.0 mm
Coronal PDw aTSE	With Compressed SENSE	1:56 min	0.3 x 0.4 x 3.0 mm

Coronal PDw SPAIR	No Compressed SENSE	4:35 min.	0.4 x 0.5 x 3.0 mm
Coronal PDw SPAIR	With Compressed SENSE	3:35 min.	0.4 x 0.5 x 3.0 mm
Axial T1w TSE	No Compressed SENSE	3:05 min.	0.3 x 0.4 x 3.0 mm
Axial T1w TSE	With Compressed SENSE	2:33 min.	0.3 x 0.4 x 3.0 mm
Axial PDw SPAIR	No Compressed SENSE	3:49 min.	0.4 x 0.5 x 3.0 mm
Axial PDw SPAIR	With Compressed SENSE	3:12 min.	0.4 x 0.5 x 3.0 mm

Courtesy of University of Vermont Medical Center, Burlington, USA



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MRI • ExamCard

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On: Jul 03, 2020

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