



## Ambition 1.5T - Shorten breath holds in Cardiac MR imaging

### ExamCard

#### Download ExamCard

Download

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

Ambition

Release 5

4 chamber view, Aorta, blood, Cardiac, Cardiac Morphology, Cardiology, Compressed SENSE, Heart Flow, short axis view heart

#### ExamCard description

Comprehensive ExamCard for cardiac imaging on Ingenia Ambition 1.5T Release 5.5. Compressed SENSE (= C-SENSE) is used to reduce breath hold times.

#### ExamCard overview

Sequence Name	Parameter	Scan Time
sBTFE cine 8.4...	sa	8.4 sec
csBTFE cine 4...	sa	4.8 sec
sBTFE cine 7.2...	4ch	7.2 sec
csBTFE cine 4...	4ch	4.8 sec
sBTFE cine	la	Breath hold
sBTFE cine	lvrot	Breath hold
T2 TSE BB 12sec	sa	12 sec
csT2 TSE BB 9...	sa	9.6 sec
T2 STIR BB 14...	sa	14.4 sec
csT2 STIR BB...	sa	9.6 sec
T1 BB 15.6sec	sa	15.6 sec
csT1 BB 10.8sec	sa	10.8 sec
cs5 3D BTFE...	wh	2:25 min
sQFLOW Aorta	qf	

#### ExamCard parameters

Sequences		Scan time	Voxel size [mm]
bTFE short axis	without C-SENSE	8.4 sec	1.7 x 1.9 x 8.0
bTFE short axis	with C-SENSE	4.8 sec	1.7 x 1.9 x 8.0
bTFE 4 chamber	without C-SENSE	7.2 sec	1.7 x 1.8 x 8.0
bTFE 4 chamber	with C-SENSE	4.8 sec	1.7 x 1.8 x 8.0
bTFE long axis		Breath hold 8.4 sec	1.7 x 1.8 x 8.0
bTFE left ventricular outflow tract		Breath hold 8.4 sec	1.7 x 1.8 x 8.0
T2w TSE Black Blood	without C-SENSE	12 sec	1.4 x 1.8 x 8.0
T2w TSE Black Blood	with C-SENSE	9.6 sec	1.4 x 1.8 x 8.0
T2w STIR Black Blood	without C-SENSE	14.4 sec	1.4 x 1.8 x 8.0
T2w STIR Black Blood	with C-SENSE	9.6 sec	1.4 x 1.8 x 8.0
T1w TSE Black Blood	without C-SENSE	15.6 sec	1.4 x 1.7 x 8.0
T1w TSE Black Blood	with C-SENSE	10.8 sec	1.4 x 1.7 x 8.0
3D bTFE whole heart		2:25 min	1.5 x 1.5 x 1.5

QFlow - Aorta		Breath hold 10.8 sec	2.5 x 2.7 x 8.0
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**MRI • ExamCard**

Comprehensive Release 5.5 ExamCard for cardiac imaging on Ingenia Ambition 1.5T. Compressed SENSE is used to reduce breath hold times.

On: Jul 03, 2020

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