



Ambition 1.5T Head/Neck MRA

ExamCard

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ExamCard

Ambition
 Release 5
 angiography, Carotid, car
 Circle of Willis, Head, He
 MRA, Neck, TOF, Vascula

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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 1.5T ExamCard is used for MR angiography in the head/neck area. It was developed on Ingenia Ambition at Release 5.5.



1. Survey
2. PCA Survey
3. Diffusion
4. Ax MRA 3D TOF MC, head

5. Ax T1 TSE fatsat, head
6. Ax T1 TSE fatsat, neck

- Axial T1 FS MSDE is performed to visualize for dissections. Voxel size is 0.75 x 1.00 x 4 mm, no SENSE or C-SENSE, but MSDE is set to flow ghost suppression to minimize vessel input. Scan time is 4:43 min.

Note that the two scans 5 and 6 may be replaced by one scan with coverage from sella to lung apices

7. MRA Ax 3D TOF MC, neck

- Voxel size is 0.54 x 0.82 x 1.6 mm, SENSE P reduction of 2, scan time is 5:08 min. Compressed SENSE (C-SENSE factor 1.3) can be used to decrease scan time further.

8. 3D Cor MRA carotid

- Voxel size is 0.8 x 0.8 x 1.6 mm, C-SENSE factor 5.4 with BolusTrak, breath hold is 25 sec.
Having the patient hold breath during this acquisition helps to obtain excellent visualization of the origins of the great vessels.

The Base of the dS Head coil, dS Head Top and Anterior coil are used for high SNR and coverage, but the dS Head/Neck Top could be used as an alternative

Patient preparation

Patient is instructed that there is a breath hold so they know what to expect.
Breath holding during the acquisition of the 3D Carotid CE-MRA sequence helps to obtain excellent visualization of the origins of the great vessels.

Postprocessing

Source images are loaded into VolumeView for background cropping and appropriate MIP projections per radiologist protocol.



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MRI • ExamCard

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