



PHILIPS

Compressed SENSE

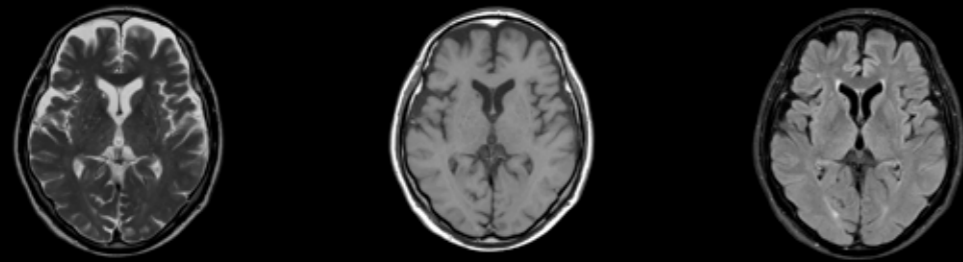
MR Clinical application

Speed done right

Every time

To meet the increased demand for productivity, a technology break-through in acceleration is required. Leveraging our long standing leadership position in speed (i.e. SENSE), Philips brings a breakthrough in productivity. Compressed SENSE is about accelerating full patient examinations and thus guaranteeing the next level in productivity and image quality to empower your staff to focus where it matters the most, enhanced patient care. This new paradigm in productivity is available for all anatomical contrasts and all anatomies, and not only 3D scans but also 2D scans are significantly faster (up to 50%).

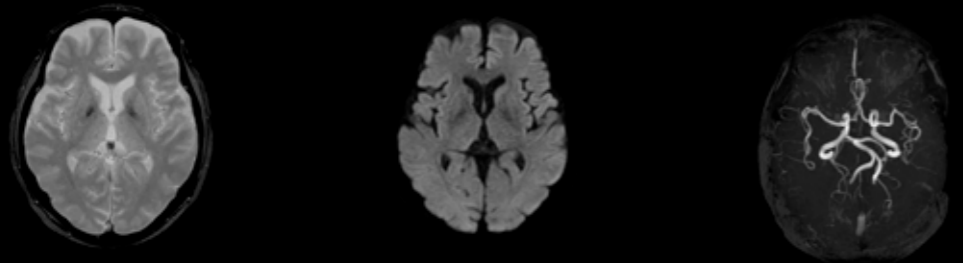
Complete brain exams nearly 2× faster with virtually equal image quality¹



2D T2w TSE
0.6 x 0.7 x 5.0 mm
2:04 min

2D T1w SE
0.9 x 1.3 x 5.0 mm
2:35 min

2D T2w FLAIR
1.0 x 1.2 x 5.0 mm
2:12 min

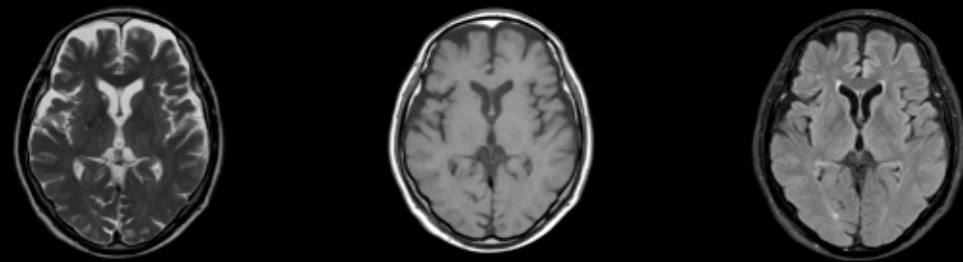


2D T2w FFE
0.9 x 1.1 x 5.0 mm
1:15 min

2D DWI (b1000)
1.8 x 1.4 x 5.0 mm
0:45 min

3D Inflow
0.7 x 1.3 x 1.4 mm
7:11 min

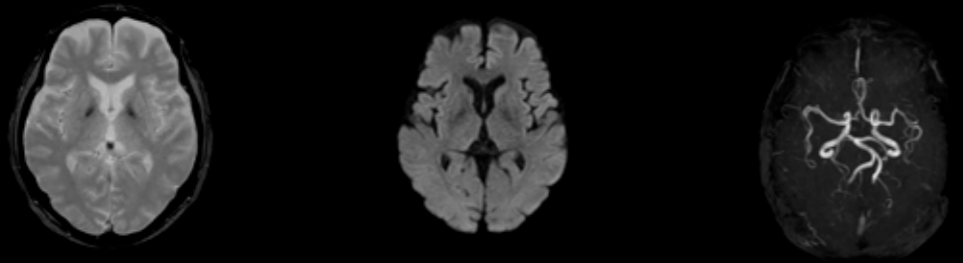
Total Exam time
17:02 min
(without Compressed SENSE)



2D T2w TSE
0.6 x 0.7 x 5.0 mm
C-SENSE 3.2, 1:04 min

2D T1w SE
0.9 x 1.3 x 5.0 mm
C-SENSE 2.8, 1:09 min

2D T2w FLAIR
1.0 x 1.2 x 5.0 mm
C-SENSE 2.5, 1:30 min



2D T2w FFE
0.9 x 1.1 x 5.0 mm
C-SENSE 3.0, 0:49 min

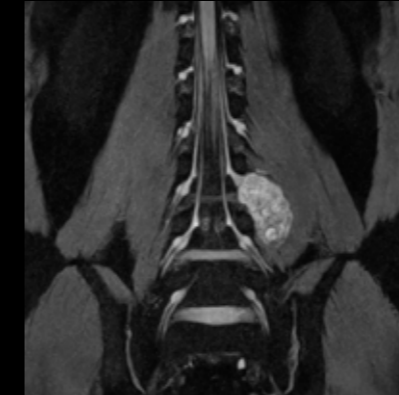
2D DWI (b1000)
1.8 x 1.4 x 5.0 mm
0:45 min

3D Inflow
0.7 x 1.3 x 1.4 mm
C-SENSE 4.5, 3:06 min

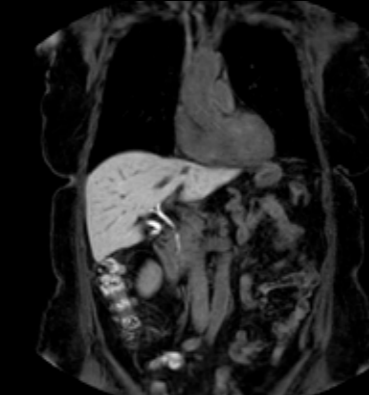
Total Exam time
10:28 min
(with Compressed SENSE)

Courtesy: Kumamoto Chuo Hospital, Japan, Ingenia 3.0T
1 Compared to scans without Compressed SENSE

Faster 2D and 3D scans with virtually equal image quality¹



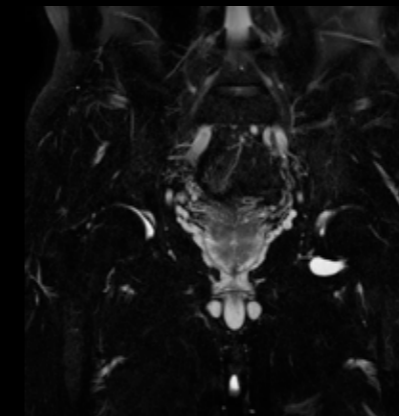
3D Neurography
1.0 x 1.0 x 6.0 mm
C-SENSE 3.0, 2:53 min



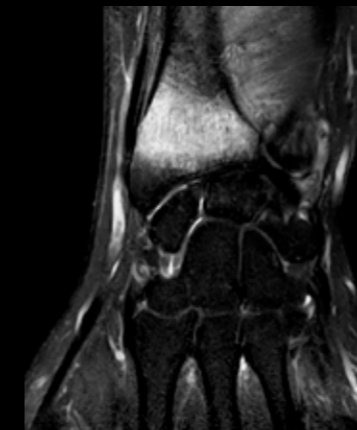
3D T1w mDIXON XD FFE
2.0 x 2.0 x 4.0 mm
C-SENSE 8.0, 8.7 sec



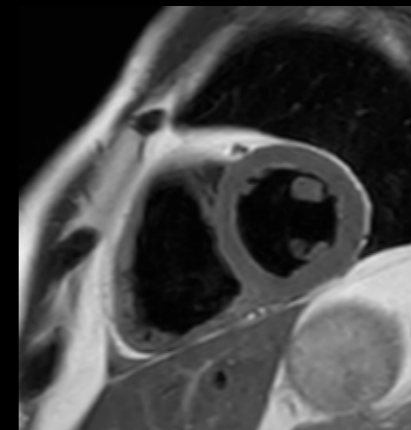
2D T1w TSE
0.7 x 0.9 x 3.0 mm
C-SENSE 1.6, 1:37 min



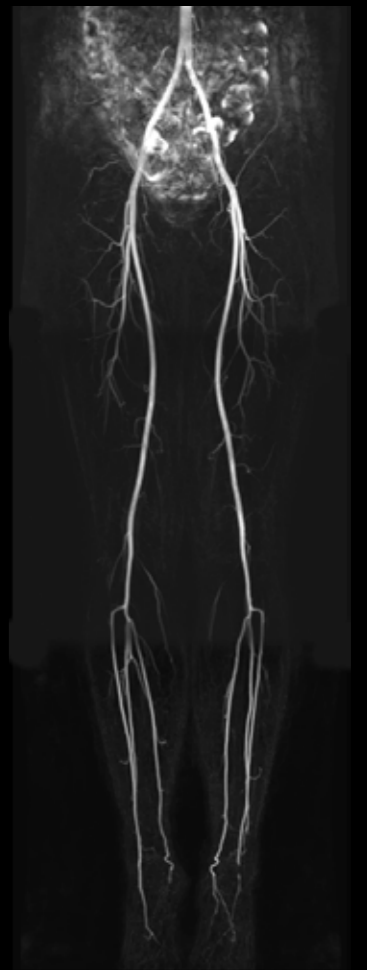
2D T2w mDIXON XD TSE - Hips (Water Only and In Phase)
0.8 x 1.0 x 5.0 mm
C-SENSE 2.0, 2:39 min



2D PDw SPAIR
0.4 x 0.5 x 2.5 mm
C-SENSE 1.5, 2:57 min



2D Black Blood imaging
1.4 x 1.7 x 8.0 mm
C-SENSE 2.3, 10 sec



Non-CE 3D TRANCE
1.4 x 1.4 x 4.0 mm
C-SENSE 7.0, 1:14 min /stack

Courtesy: Kurashiki Central Hospital, Okayama, Japan, Ingenia 1.5T (neurography, hips) | University Hospital Geneva, Switzerland, Ingenia 1.5T (abdomen, wrist) | Mahajan imaging, Gurgaon, India, Ingenia 3.0T (spine) | Ingenia 1.5T (cardiac, vascular run-off)
1 Compared to scans without Compressed SENSE

Compressed SENSE

Field strength	1.5T, 3.0T.
Applications	Available for all anatomies (Brain, Spine, HeadNeck, MSK, Body, Breast, Prostate, Cardiac, Vascular)
Sequence	Available for multiple cartesian scan techniques like FFE, SE, TFE and TSE
Image contrast	Available for all anatomical contrasts (e.g. T1, T2, PD, FLAIR, DIR, fat sat)
Speed	A break-through acceleration technique speeding up not only sequences but your entire exam
Image quality	Unique implementation enabling 2D and 3D scans to be up to 50% faster with virtually equivalent image quality ¹ .

¹ Compared to scans without Compressed SENSE

© 2017 Koninklijke Philips N.V. All rights reserved.
Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips N.V.
or their respective owners.

4522 991 31361 * NOV 2017



www.philips.com/mrclinicalapplications