PHILIPS

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MR 5300

Transform MR Productivity.

Quickly, Easily, Confidently.



Most MRI Departments share similar priorities

In 2021, Top 3 key priority remained as[1]

productivity | patient satisfaction | referring physician satisfaction

Current situation adds to urgency due to

16% decrease in MR reimbursement [2]

COVID-19

- Increased demands of capacity
- Precautions that limit the number of patients

Spine and Brain imaging continue to be the two highest volume categories [3]

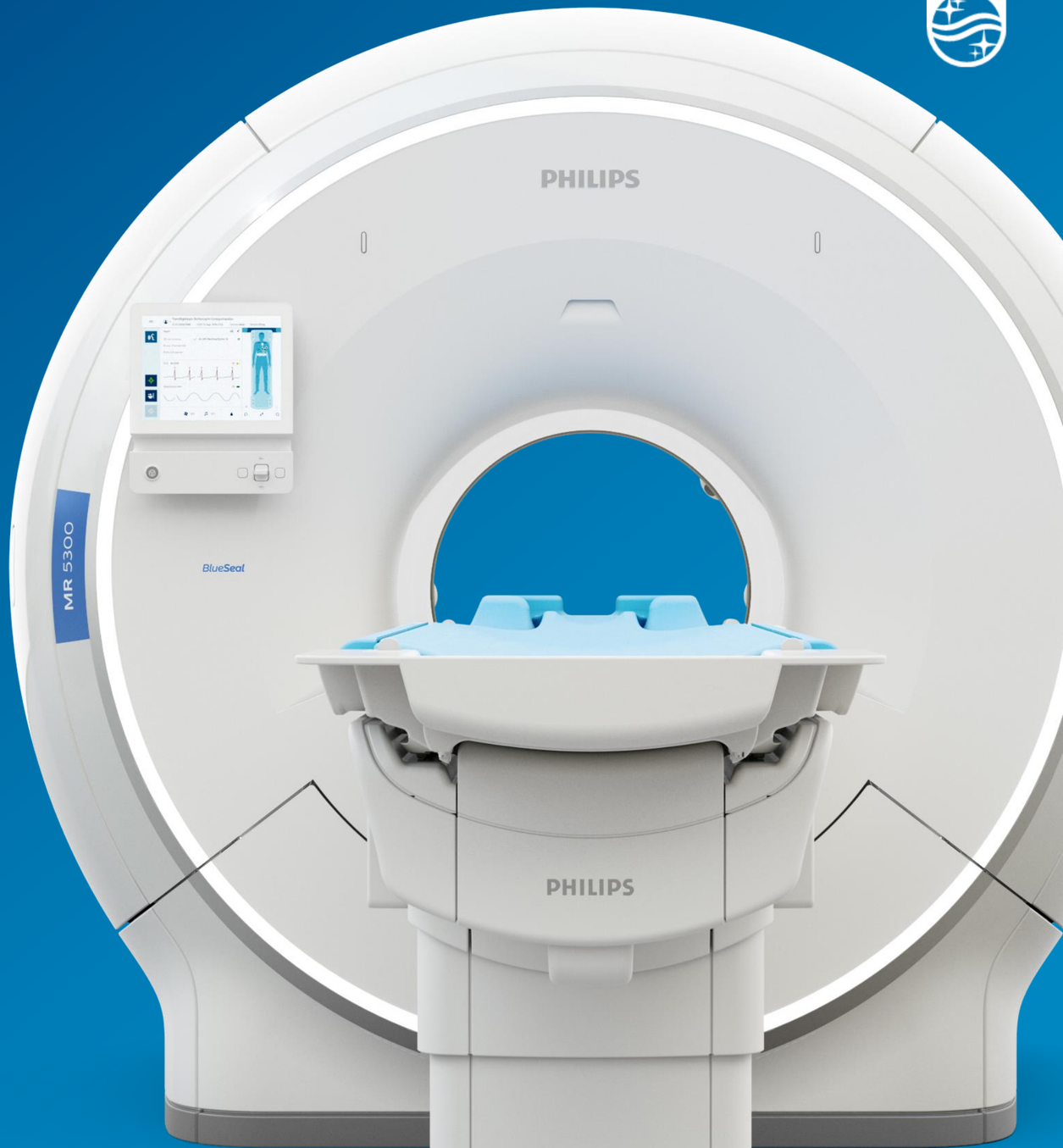
1 MI&A Insights report MR Q1 2021 | 2 https://coder.aapc.com/cpt-codes/76498. Accessed October 11, 2019 | 3 IMV report, December 2020

Introducing MR 5300

It’s not just helium free MR operations.

It’s high performing patient centric 1.5T MR.

Discover MR the way it is meant to be



DESIGN AWARD 2022

PRODUCT DESIGN

reddot winner 2022
best of the best



*MR 5300 has been awarded with an **iF design award** and a **Best of the Best Reddot design award**. These results truly reflect the user centricity focus of our new coil workflow solution.*



Transform MR Productivity.

Quickly, Easily, Confidently.

Automated patient-centric workflow

- < 1 min patient setup for routine exams with SmartWorkflow[3]
- 75% lighter Breeze coils

Ultra-fast exams

- Up to 50%[2] faster exams with visually equal image quality
- < 5 mins[2] for routine exams with Compressed SENSE

High quality imaging

- Quality and standardized results
- Excel on clinical capacities with Breeze

Performance for life

- Predictable TCO with coils for life
- Zero helium refill for life

1 Compared to Philips systems without Breeze | 2 Compared to Philips scans without Compressed SENSE
3 Based on in house testing, results may vary.



Automated Patient Centric Workflow

Less than 1 min[1] patient setup for routine exams

1 Based on in house testing. Results may vary

Guided patient set-up in under a minute

High confidence, even for the less experienced operator[1]

Guidance | *Versatility* | *Automation*

Exam room

VitalScreen



Guided exam set-up & in-room exam start

Breeze Coils



Easy coil positioning

SmartTouch



Automated patient centering

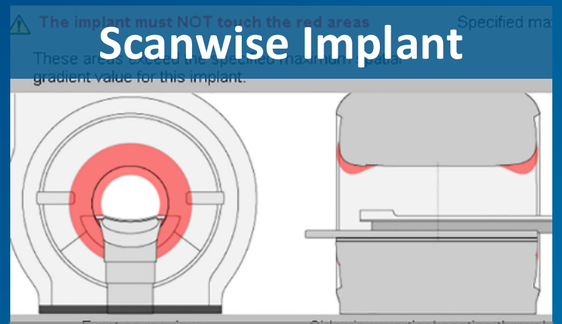
VitalEye



Automated breathing control

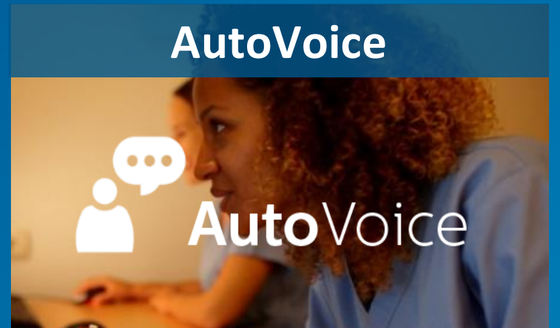
Control room

Scanwise Implant



Guidance for MR conditional implants

AutoVoice



Automated patient coaching

SmartExam



Automated planning and processing

1 Based on in house testing. Results may vary

Guided patient set-up in under a minute

High confidence, even for the less experienced operator[1]

Exam room

Guidance

VitalScreen



Guided exam set-up & in-room exam start

Versatility

Breeze Coils



Easy coil positioning

Automation

SmartTouch



Automated patient centering

VitalEye



Automated breathing control

Designed to reduce change over time
for routine exams (dS MSK M example)



Knee



Shoulder



FootAnkle

1 Based on in house testing. Results may vary

Guided patient set-up under a minute

Breeze versatility



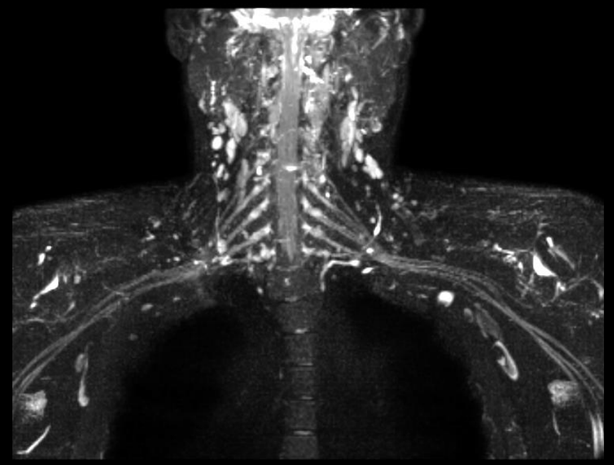

dS MSK 16 solution


dS TorsoBody solution


dS HeadNeckSpine solution

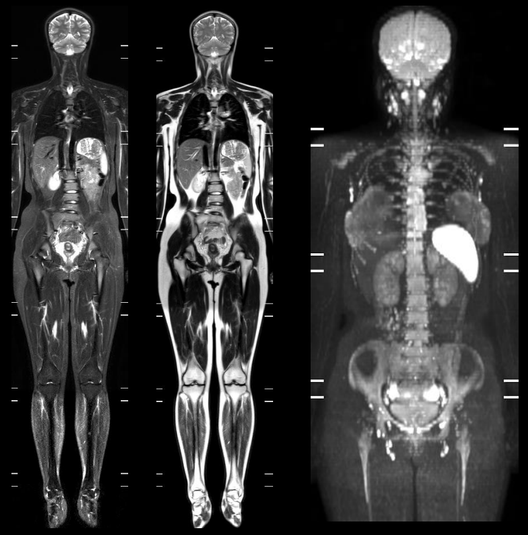
Drive consistent quality with Breeze[1] versatility and dStream SNR

Head-Neck 23
dS HeadNeckSpine solution



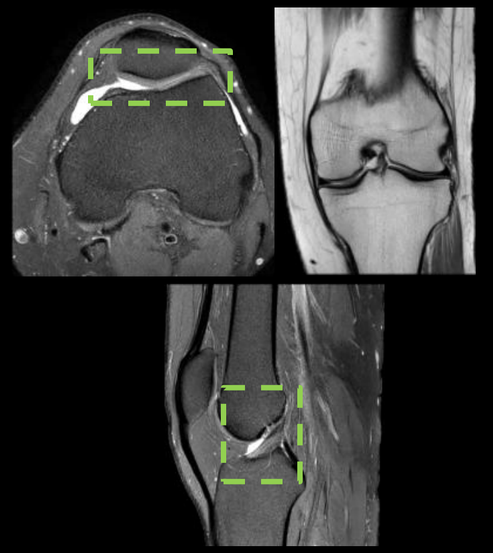
3D NerveVIEW	1.6 x 1.3 x 1.2 mm	3:53 min

Whole-Body 91
dS TorsoBody Solution



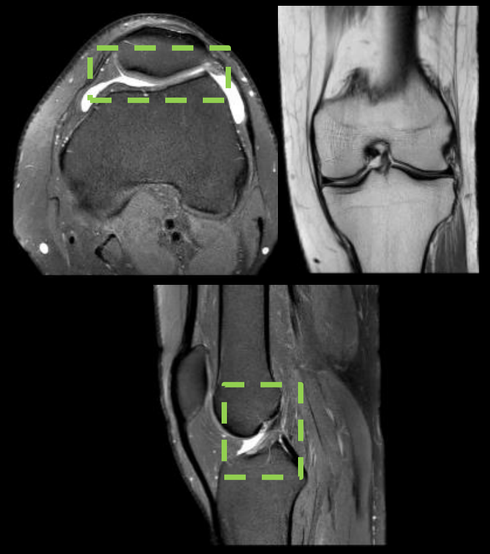
STIR	2.0 x 2.0 x 6.0 mm	31 sec/stn
T2w	2.0 x 2.0 x 6.0 mm	33 sec/stn
DWIBS	3.4 x 3.5 x 6.0 mm	2:17 min/stn

Knee 8
dS MSK M



PDw SPIR ax	0.4 x 0.5 x 2.5 mm	2:50 min
PDw SPIR sag	0.5 x 0.6 x 3.0 mm	2:10 min
PDw TSE cor	0.4 x 0.5 x 3.0 mm	3:46 min

Knee 16
dS MSK 16 solution

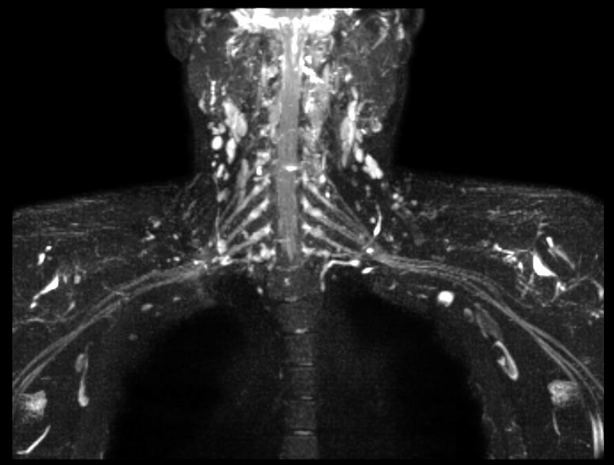


PDw SPIR ax	0.4 x 0.5 x 2.5 mm	2:50 min
PDw SPIR sag	0.5 x 0.6 x 3.0 mm	2:10 min
PDw TSE cor	0.4 x 0.5 x 3.0 mm	1:57 min

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

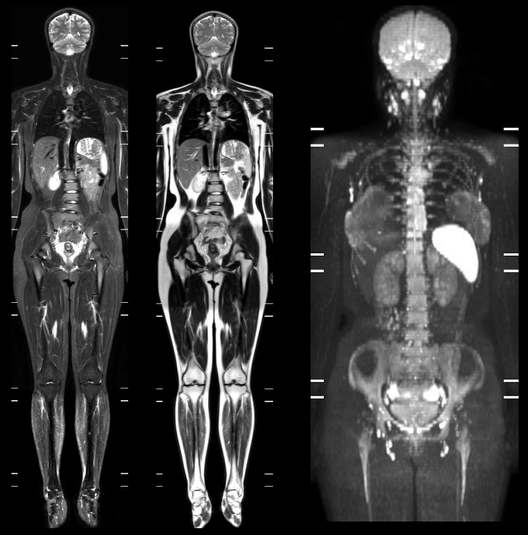
Drive consistent quality with Breeze[1] versatility and dStream SNR

Head-Neck 23
dS HeadNeckSpine solution



3D NerveVIEW	1.6 x 1.3 x 1.2 mm	3:53 min

Whole-Body 91
dS TorsoBody Solution



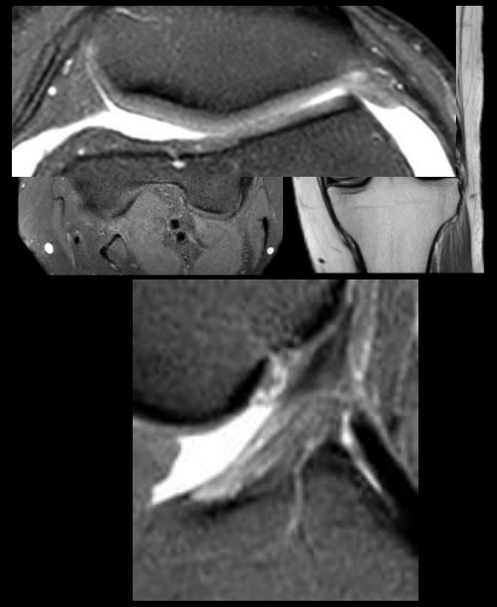
STIR	2.0 x 2.0 x 6.0 mm	31 sec/stn
T2w	2.0 x 2.0 x 6.0 mm	33 sec/stn
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Knee 16
dS MSK 16 solution



PDw SPIR ax	0.4 x 0.5 x 2.5 mm	2:50 min
PDw SPIR sag	0.5 x 0.6 x 3.0 mm	2:10 min
PDw TSE cor	0.4 x 0.5 x 3.0 mm	1:57 min

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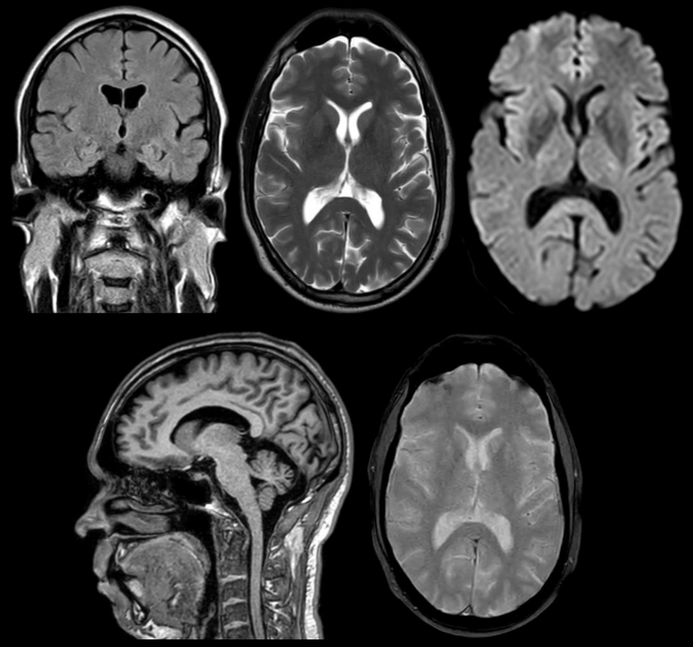
Ultra-Fast Exams

Up to 50% faster MRI exams with virtually equal image quality[1]

1 Compared to Philips scans without Compressed SENSE

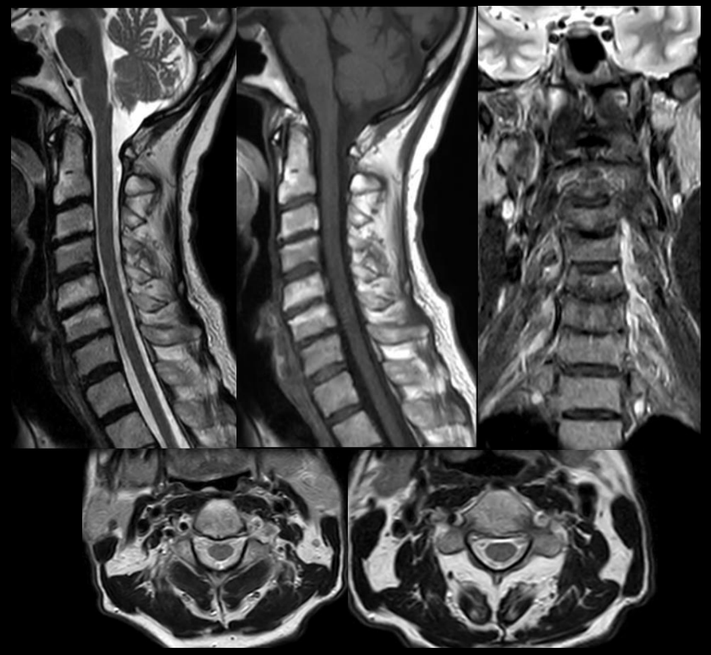
Ultra-fast exams

Routine neuro exams in 5 minutes



T2w FLAIR cor	72 sec
T2w ax	33 sec
DWI ax	32 sec
T1w FFE 3D sag	100 sec
T2w FFE ax	30 sec

4:45 min



cs1.5 T2w sag	52 sec
cs1.5 T1w sag	51 sec
cs1.7 STIR sag	63 sec
cs1.5 T2w ax	118 sec

4:44 min



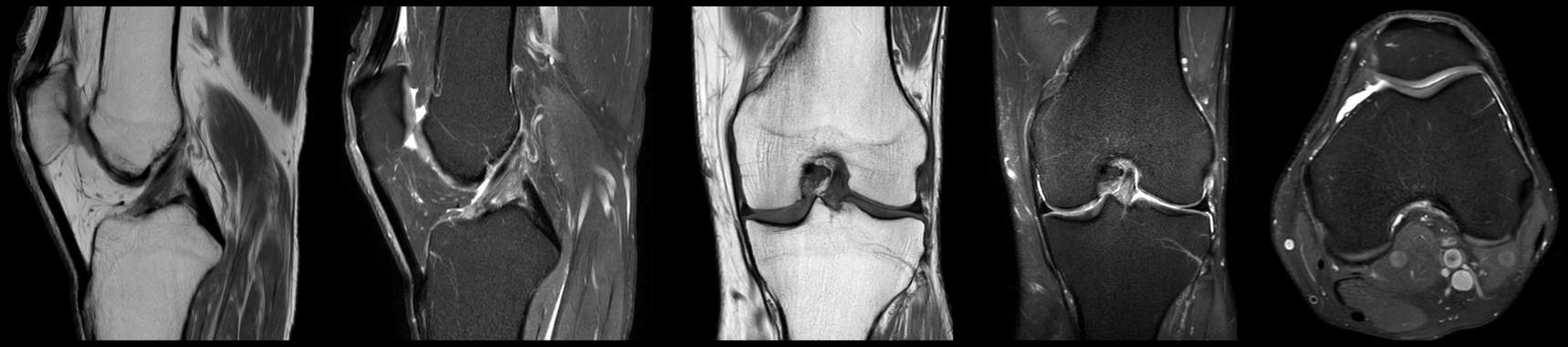
cs2.5 T2w sag	62 sec
cs2.5 T1w sag	68 sec
cs1.8 STIR sag	92 sec
cs2.5 T2w ax	98 sec

5:20 min

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

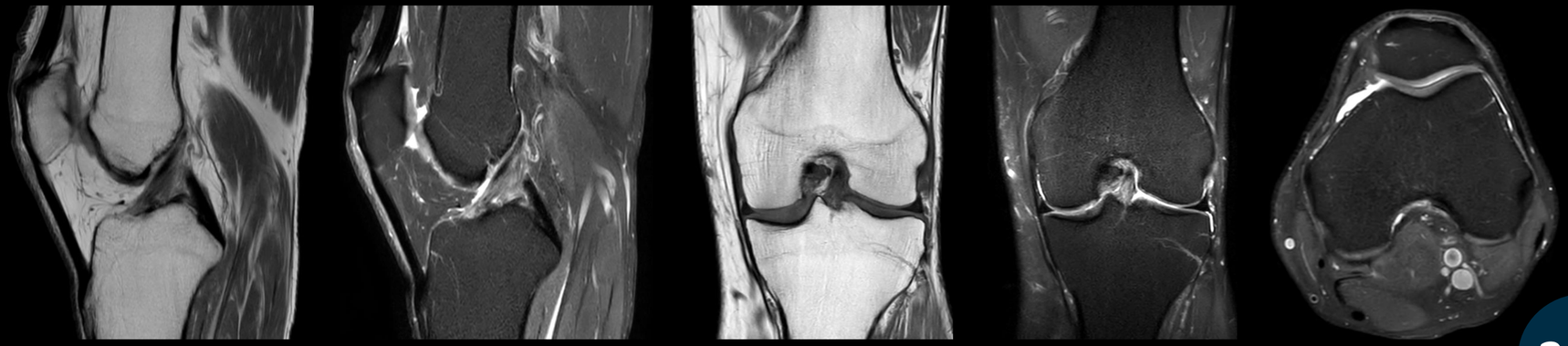
Ultra-fast exams

Compressed SENSE up to 50%[1] faster



Conventional: 18 min

PDw sag	0.4 x 0.6 x 3.0 mm	3:50 min
PDw FatSat sag	0.5 x 0.7 x 3.0 mm	4:39 min
T1w cor	0.4 x 0.6 x 3.0 mm	2:58 min
PDw FatSat cor	0.5 x 0.7 x 3.0 mm	3:07 min
PDw FatSat ax	0.5 x 0.7 x 3.0 mm	3:34 min



Compressed SENSE: 11 min

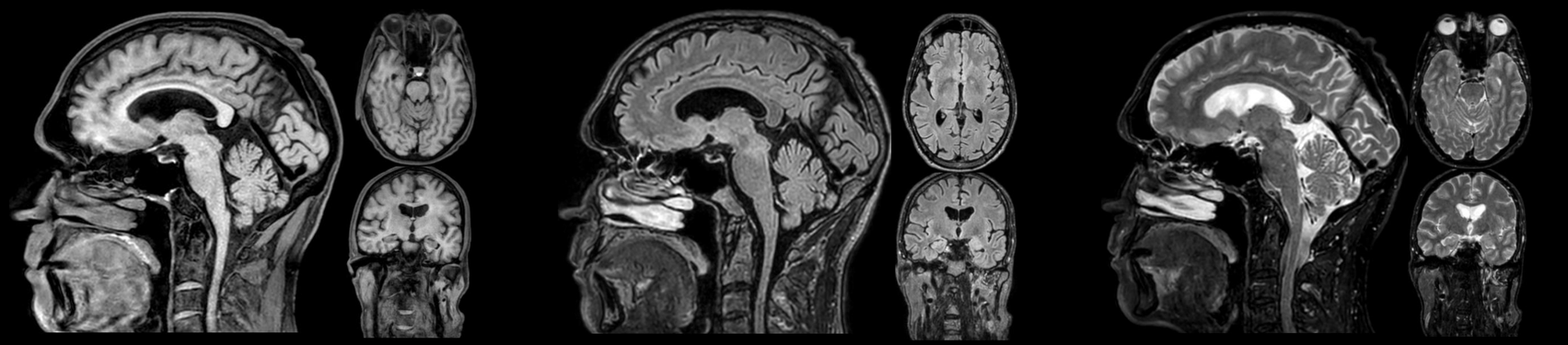
cs2.4 PDw sag	0.4 x 0.6 x 3.0 mm	2:30 min
cs2.2 PDw FS sag	0.5 x 0.7 x 3.0 mm	3:00 min
cs1.8 T1w cor	0.4 x 0.6 x 3.0 mm	1:40 min
cs1.9 PDw FS cor	0.5 x 0.7 x 3.0 mm	1:58 min
Cs2.0 PDw FS ax	0.5 x 0.7 x 3.0 mm	2:01 min

39%

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

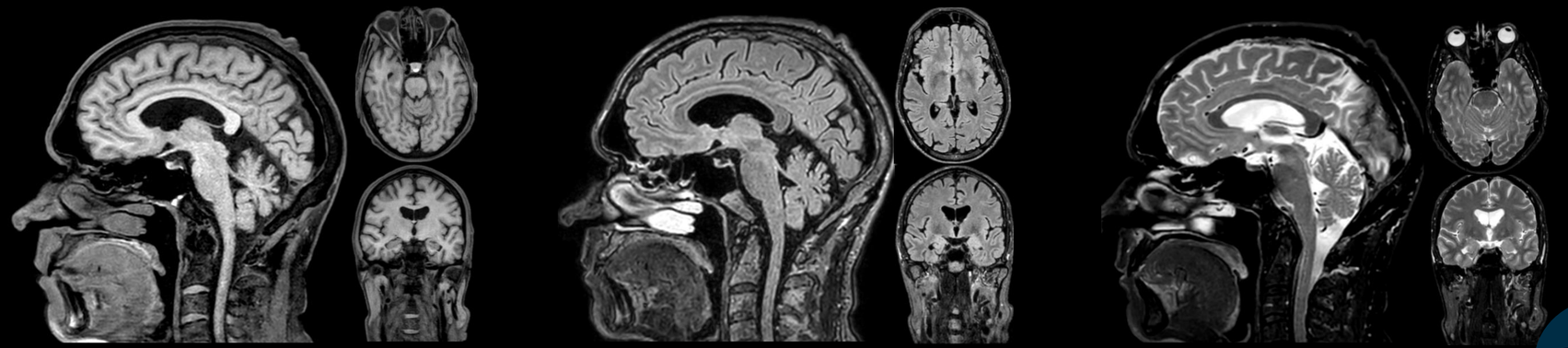
Ultra-fast exams

Compressed SENSE 3D BrainVIEW



Conventional: 15:14 min

T1w	1.0 x 1.0x 1.0	5:51 min
T2w FLAIR	1.2 x 1.2 x 1.2	4:43 min
T2w	1.1 x 1.1 x 1.1	4:40 min



Compressed SENSE: 10.36 min

cs5 T1w	1.0 x 1.0 x 1.0 mm	3:45 min
cs6.5 T2w FLAIR	1.2 x 1.2 x 1.2 mm	3:07 min
cs6 T2w	1.1 x 1.1 x 1.1 mm	3:44 min

33%

Results from case studies are not predictive of results in other cases. Results in other cases may vary.



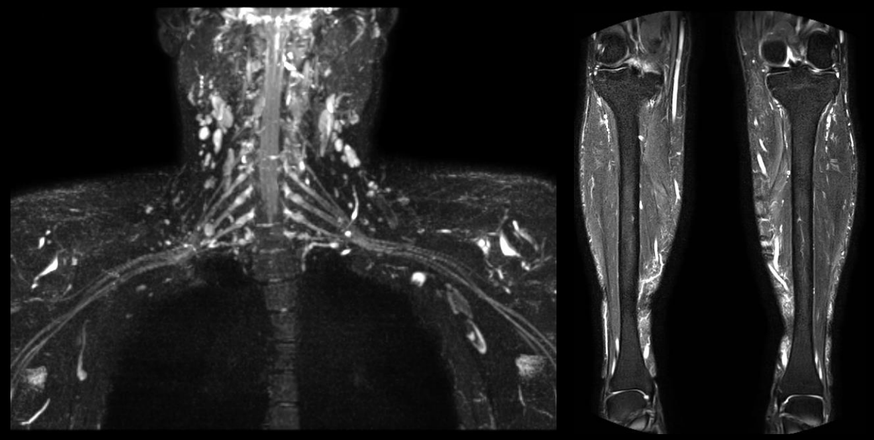
High Quality Diagnostic Imaging

Consistent high quality for challenging anatomies

High performance by design

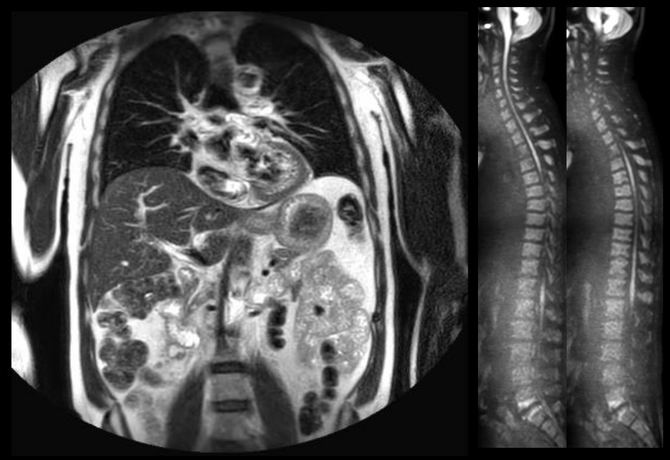
Quality imaging using Breeze[1] coils

Large FOV Imaging



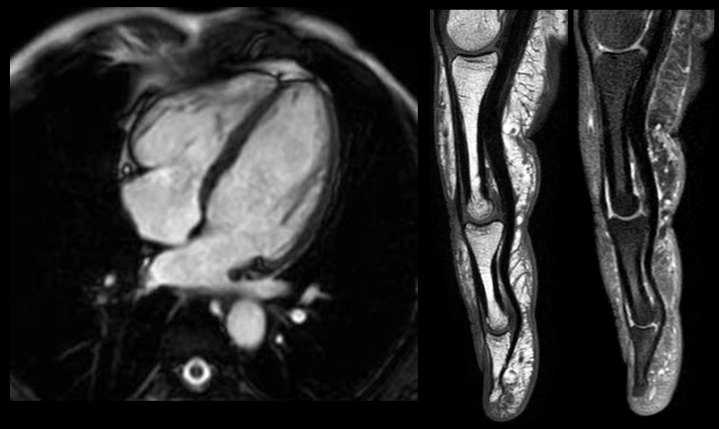
Uniform fat suppression
over large FOV

Gradient Linearity



Large FOV Imaging &
2 station total spine DWI

High End Imaging using Breeze Coils



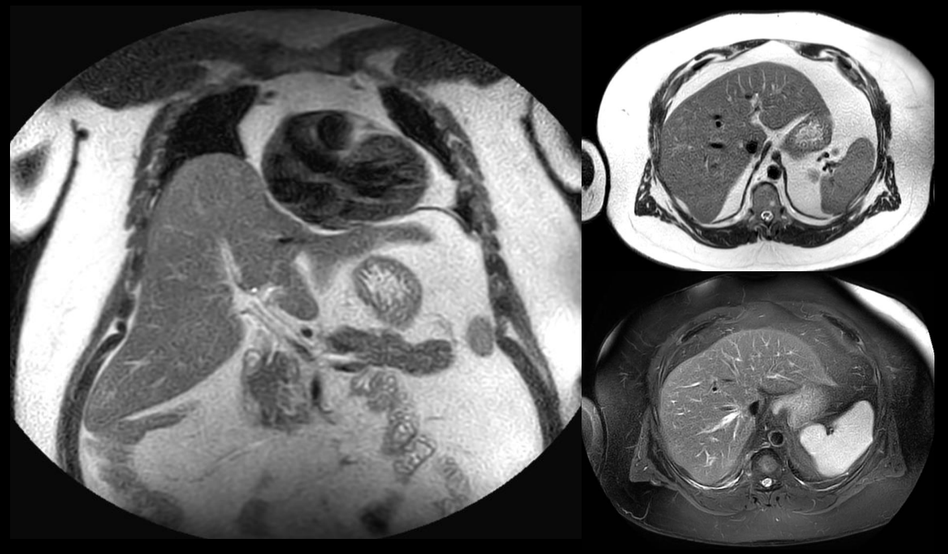
Cardiac imaging &
Ultra high resolution imaging

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

Designed for consistent quality and standardized results

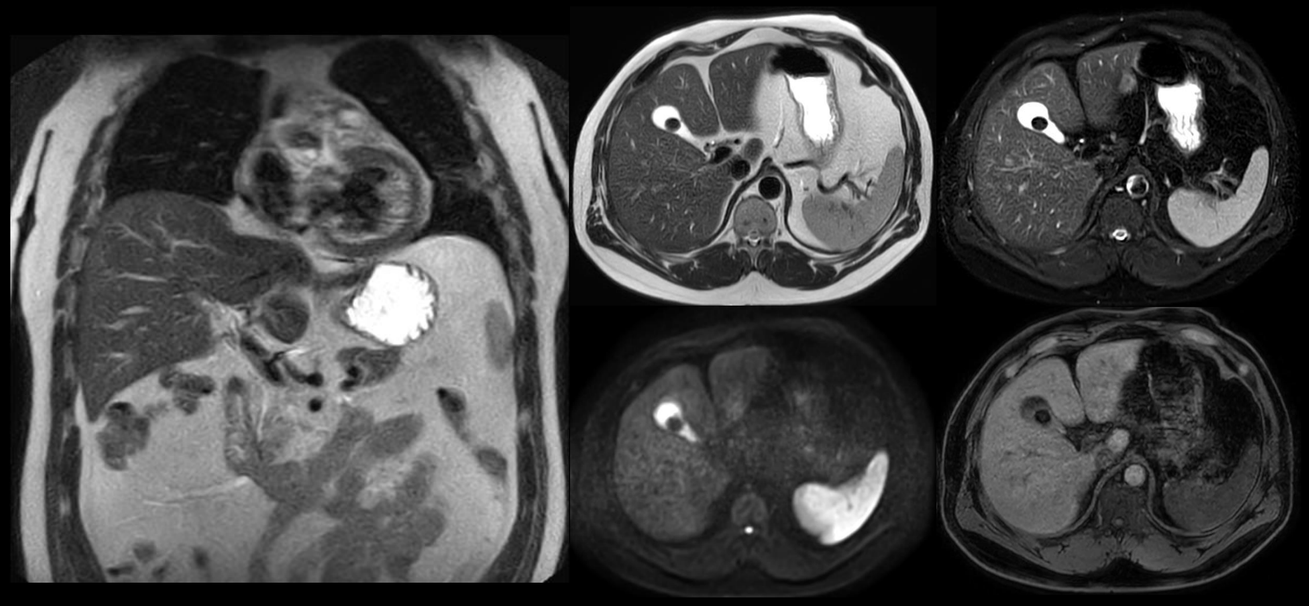
Using Breeze[1] coils on high-BMI patients

140kg (308lb) patient



T2w SSh cor, 6mm	1:48 min
T2w SSh ax, 6mm	1:30 min
T2w FatSat SSh ax, 6mm	1:30 min

110kg (242lb) patient

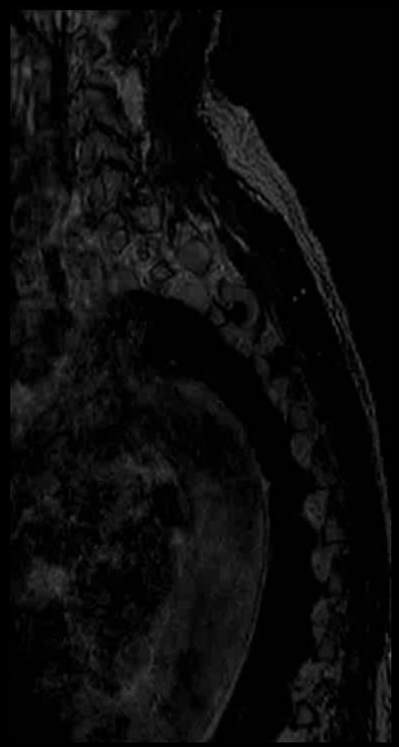


T2w SSh cor, 6mm	1:48 min
T2w SSh ax, 6mm	1:30 min
T2w FatSat SSh ax, 6mm	1:30 min
DWI, b600 ax, 6mm	3:09 min
3D mDIXON FFE ax	0:14 min

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

Designed for consistent quality and standardized results

Quality Spine imaging using Breeze[1] coils



cs6 3D SpineVIEW
4:47 min



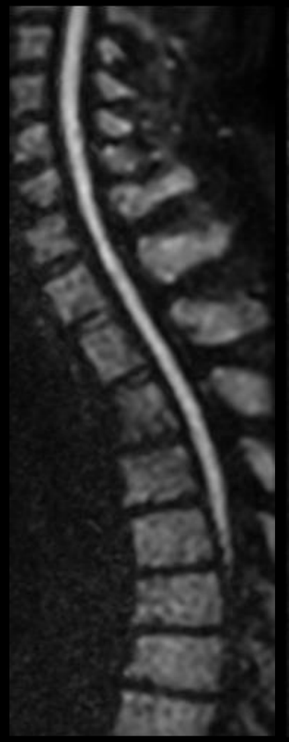
Oblique MPR

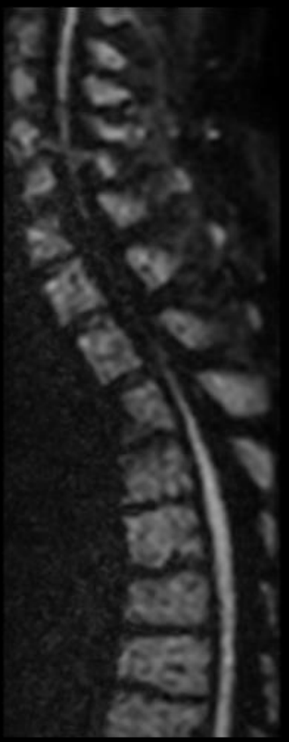


Cor MPR



Tra MPR



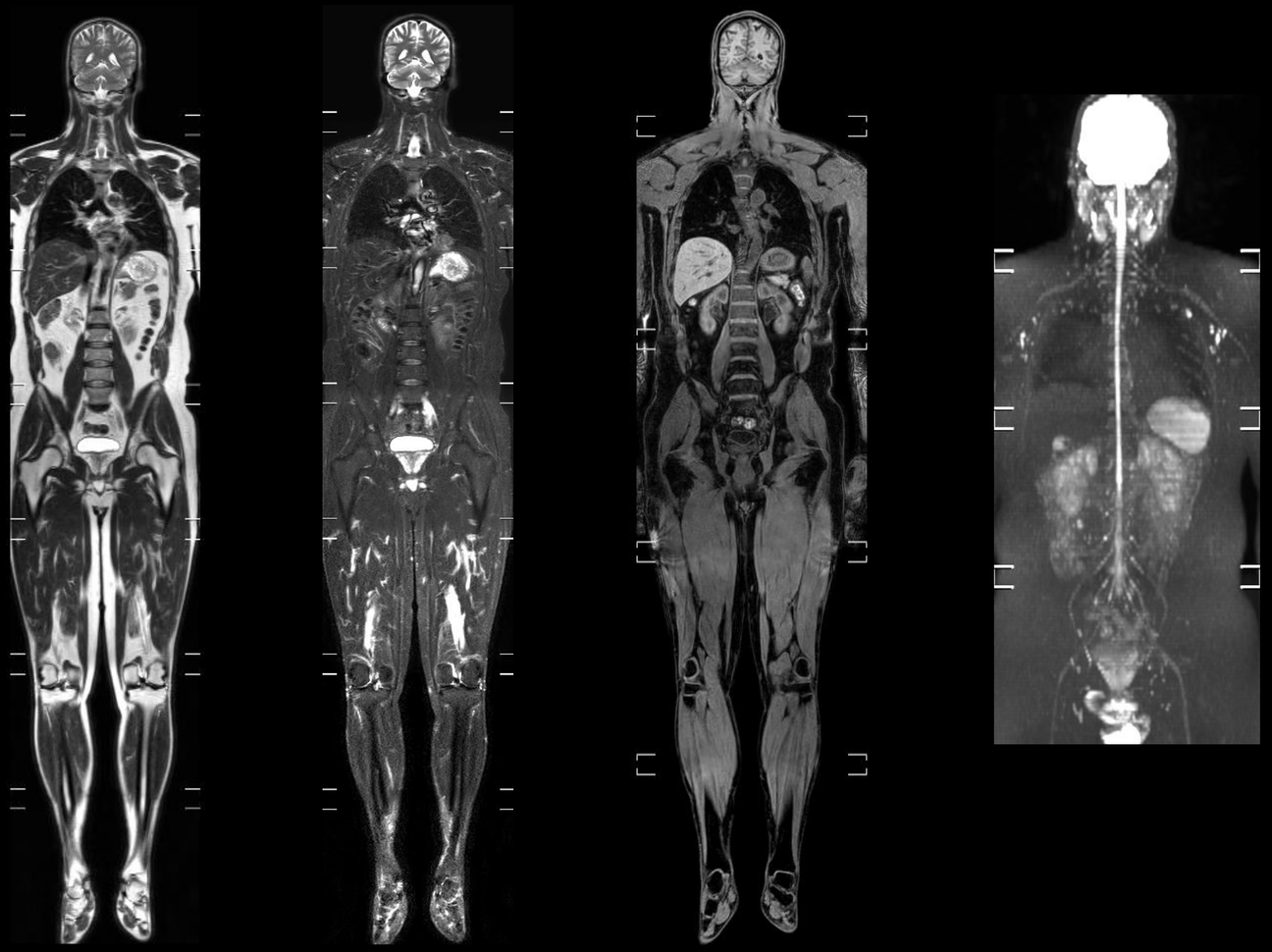


IRIS ZOOM DWI
b800, 3:36 min

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

Expand on your clinical capabilities

Quality whole body imaging with Breeze[1] coils in less than 20 mins



Whole Body Imaging		18:28 min
T2w cor, 6mm	33 sec /station	3:51 min
STIR cor, 6mm	31 sec /station	3:37 min
mDIXON, 2mm	16 sec /station	1:52 min
DWIBS	2:17 min /station	9:08 min

Results from case studies are not predictive of results in other cases. Results in other cases may vary.



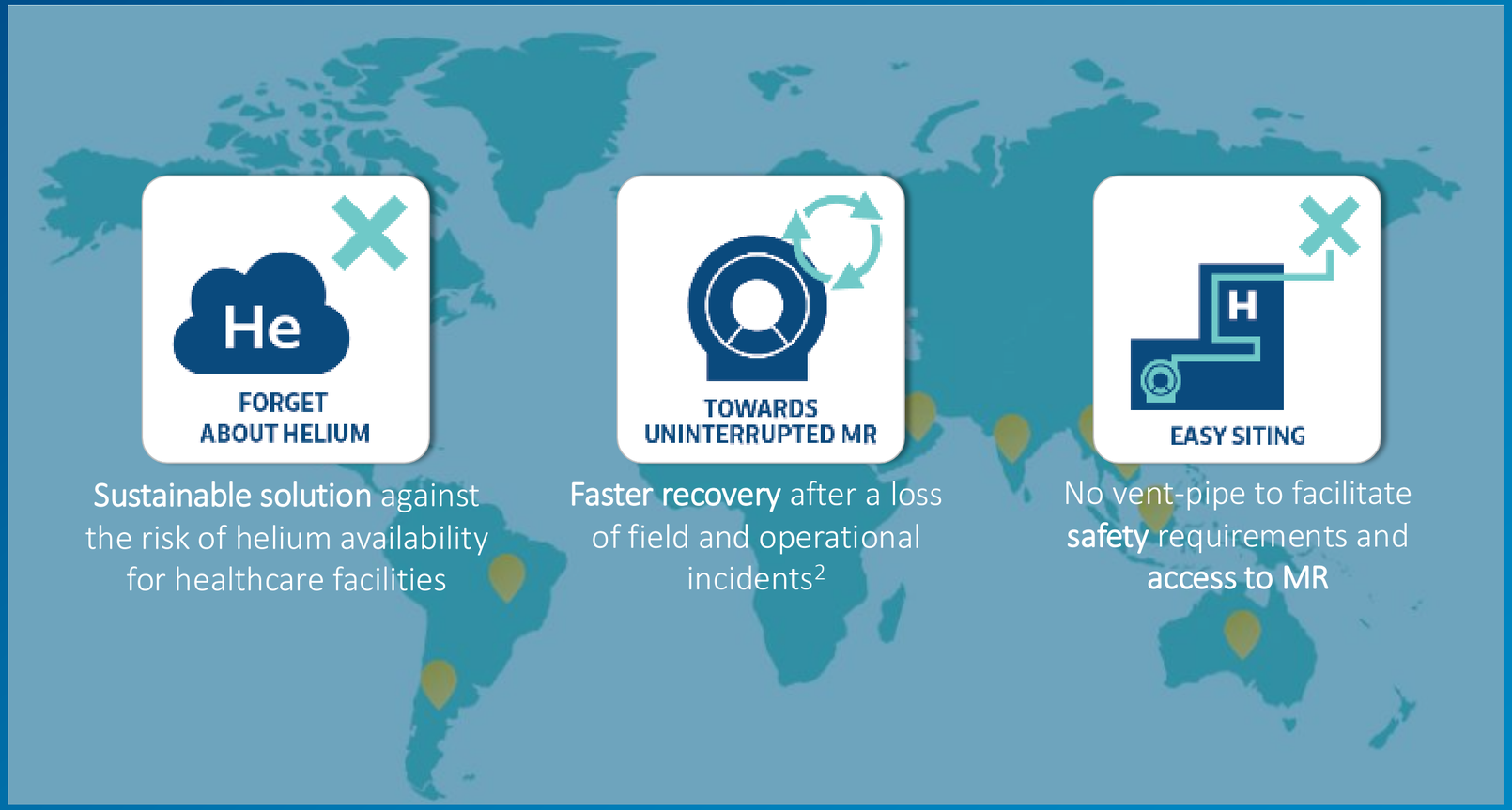
Performance for Life

Lower maintenance cost, higher uptime & frequent updates

Performance for Life with MR 5300

Our most stable 70cm 1.5T magnet ever[1]





Sustainable solution against the risk of helium availability for healthcare facilities

Faster recovery after a loss of field and operational incidents[2]

No vent-pipe to facilitate **safety** requirements and **access to MR**

1 Based on service data on loss of field between ZBO and BlueSeal magnets. Results may vary
2 EasySwitch: Small incidents can be resolved in just a few hours, no dependency on scarce helium supply and prevent unexpected helium costs
AI: According to the definition of AI from the EU High-Level Expert Group

Performance for Life with MR 5300

Experience this unique All-inclusive service offering

Coils for life
All coils and essential positioning aids entitlements

Upgrades for life
Keep state-of-the-art with frequent HW and SW upgrades

Connected for life
AI-enabled system intelligence and predictive maintenance

Helium free operations for life
Helium and EasySwitch entitlements



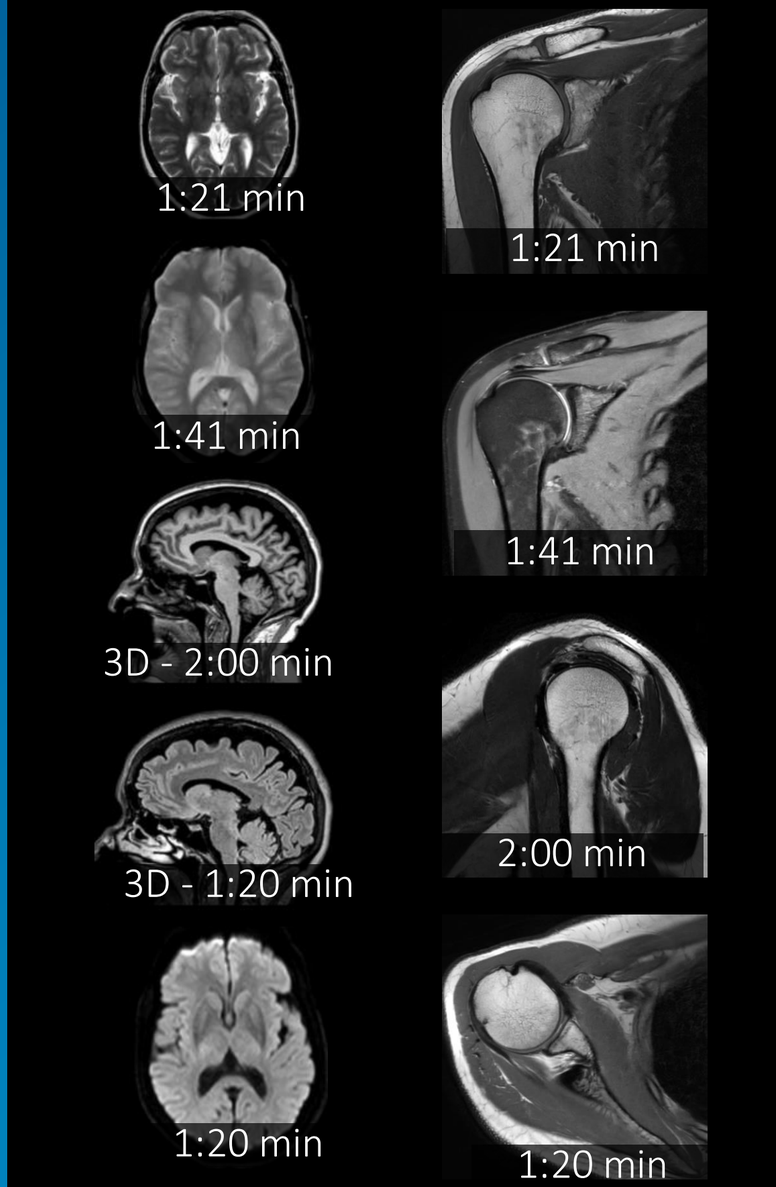
Count on Philips for a lifetime of support.

AI: According to the definition of AI from the EU High-Level Expert Group

Faster

SmartSpeed

Productivity



SmartSpeed Essential

Brain 3D Flair





Conventional
1.2x1.2x1.2mm
4m43s

SmartSpeed*
1.2x1.2x1.2mm
2m34s

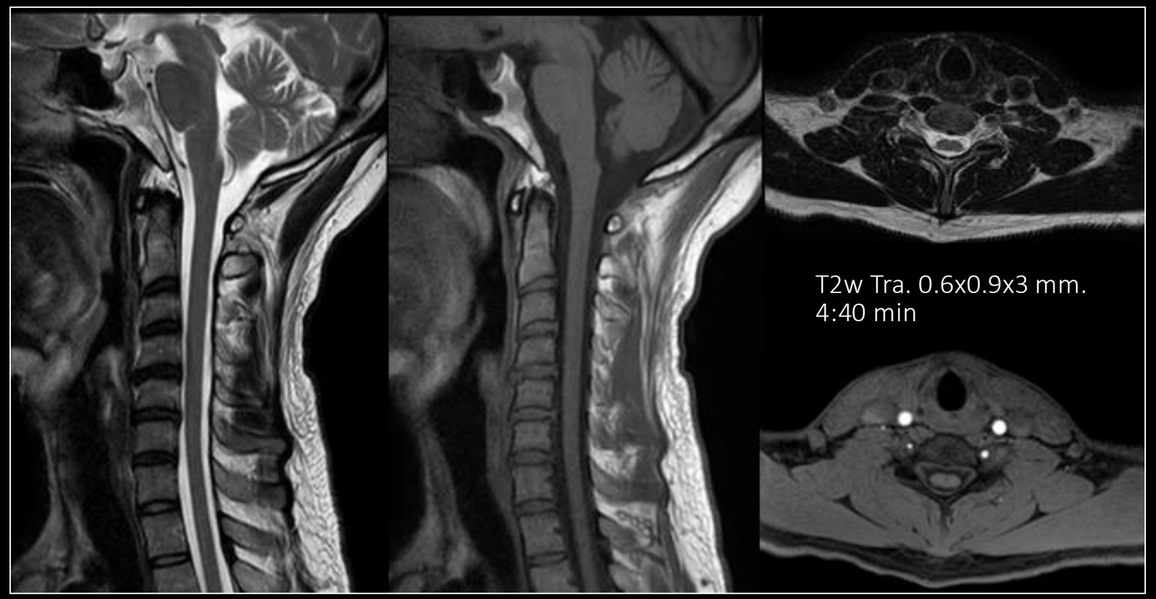
MR 5300

** Philips SmartSpeed availability with MR 5300 is work in progress and it is not yet CE marked, and not available for sale*

SmartSpeed Essential

C Spine: Exam Time

Conventional ExamTime: 13m54s



T2w Sag. 0.7x0.9x3 mm.
2:27 min

T1w Sag. 0.9x0.9x3 mm.
3:15 min

T1mDIXON Tra. 1.0x1.0x3 mm.
3:30 min

SmartSpeed* ExamTime: 7m33s



T2w Sag. 0.7x0.9x3 mm.
1:18 min

T1w Sag. 0.9x0.9x3 mm.
1:39 min

T1mDixon Tra. 1.0x1.0x3 mm.
2:05 min

MR 5300

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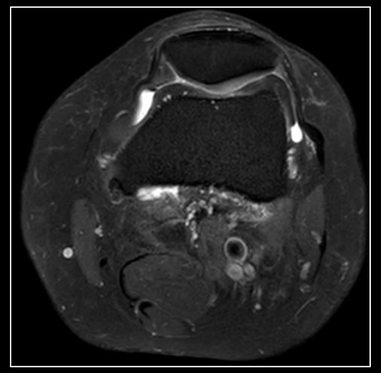
SmartSpeed Plus - MSK

Knee: Exam Time

Conventional ExamTime: 14m06s



PDw Sag. 0.5x0.6x3 mm.
2:47 min



PD Spair Tra. 0.5x0.6x3 mm.
3:00 min



T1w Cor. 0.5x0.6x3 mm.
1:55 min



PD Spair Cor. 0.5x0.6x3 mm.
2:36 min

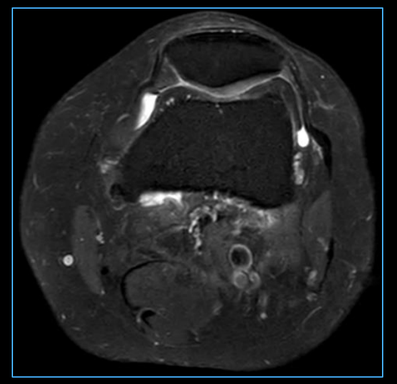


PD Spair Sag. 0.5x0.6x3 mm.
3:48 min

SmartSpeed* ExamTime: 7m08s



PDw Sag. 0.5x0.6x3 mm.
1:14 min



PD Spair Tra. 0.5x0.6x3 mm.
1:40 min



T1w Cor. 0.5x0.6x3 mm.
0:47 min



PD Spair Cor. 0.5x0.6x3 mm.
1:27 min



PD Spair Sag. 0.5x0.6x3 mm.
2:00 min

MR 5300

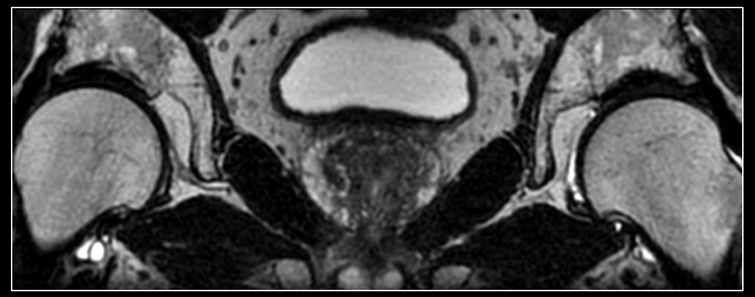
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SmartSpeed Pro - Body

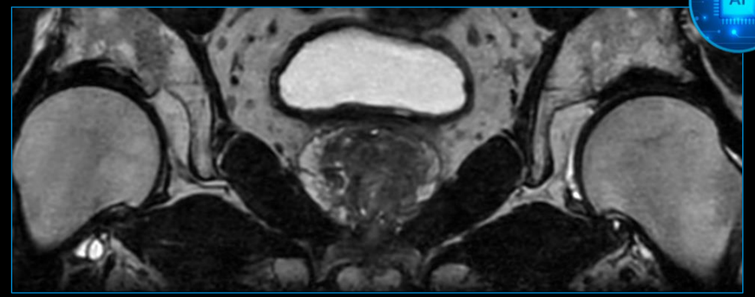
3D T2 ProstateView





Conventional
1.0x1.0x1.0mm
5m47s





SmartSpeed*
0.9x0.9x0.9mm
3m37s

MR 5300

** Philips SmartSpeed availability with MR 5300 is work in progress and it is not yet CE marked, and not available for sale*

SmartSpeed Essential

3D T2 SpineView



Conventional
0.9x0.9x0.9
8m02s



SmartSpeed*
0.9x0.9x0.9
5m16s

MR 5300

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SmartSpeed Plus - MSK

Knee: < 5 min (Breeze MSK 16 Channel Coil Solution)

SmartSpeed* Exam time: 4m16s



PD Spair Cor. 0.5x0.6x3 mm. **66sec**

T1 Sag. 0.4x0.6x3 mm. **56sec**

PD Spair Tra. 0.5x0.7x3 mm. **77sec**

PD Sag. 0.4x0.5x3 mm. **57sec**

MR5300

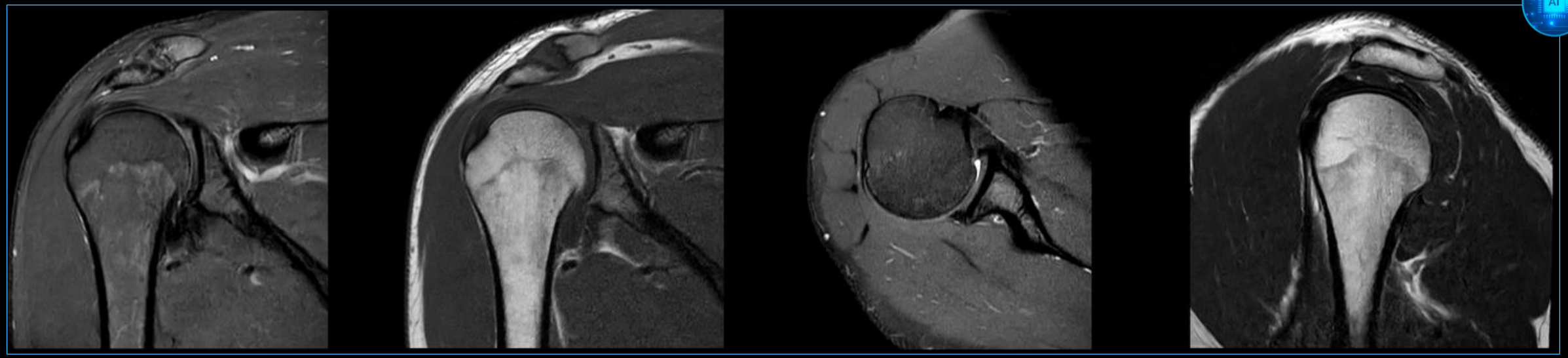
** Philips SmartSpeed availability with MR 5300 is work in progress and it is not yet CE marked, and not available for sale*

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SmartSpeed Plus - MSK

Shoulder: < 5 min (Breeze MSK 16 Channel Coil Solution)

SmartSpeed* Exam time: 4m50s



PD Spair Cor. 0.6x0.7x3 mm. **95sec**

T1 Cor. 0.5x0.7x3 mm. **70sec**

PD Spair Tra. 0.5x0.7x3 mm. **83sec**

T2 Sag. 0.5x0.7x3 mm. **42sec**

MR5300

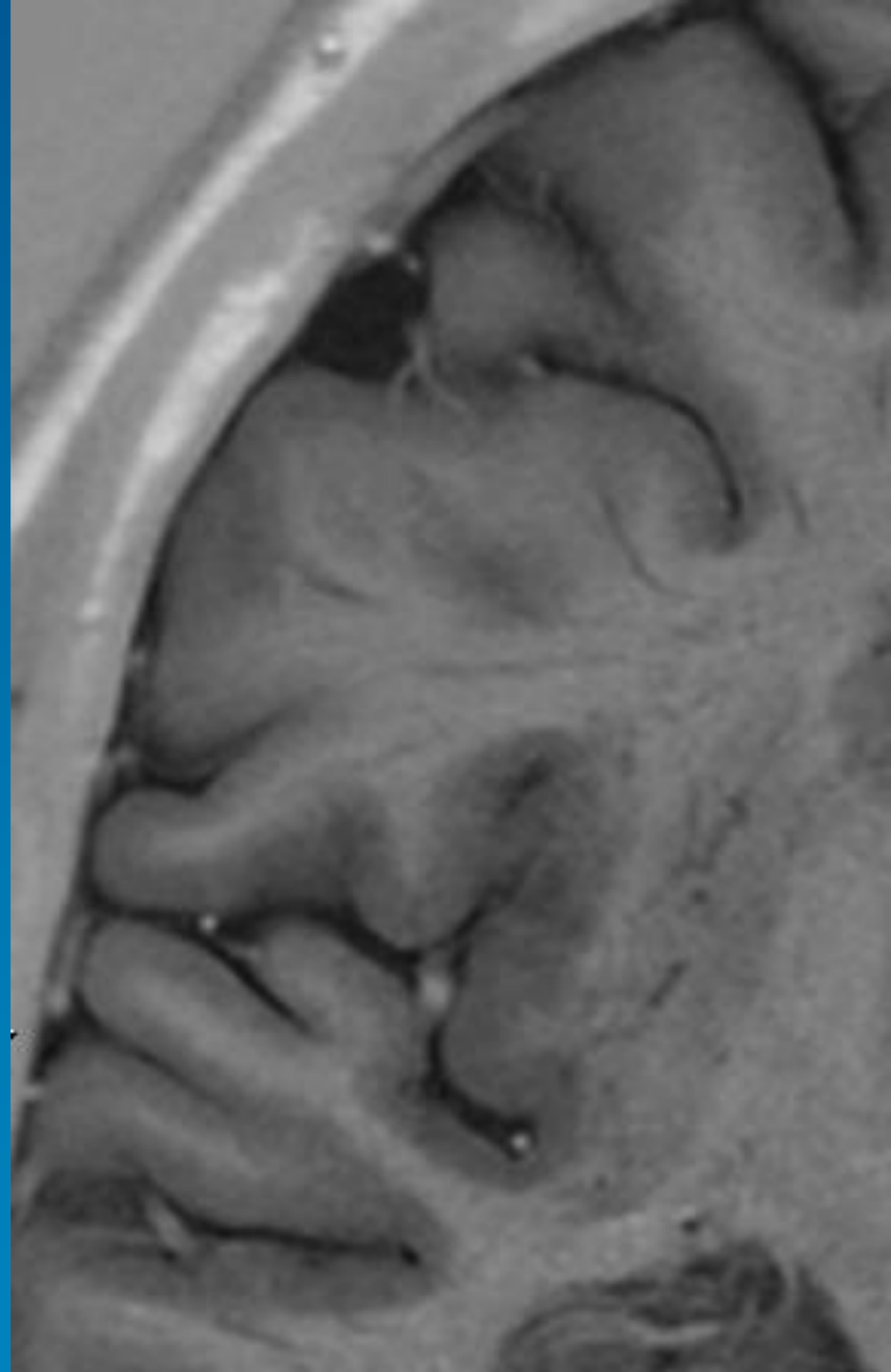
** Philips SmartSpeed availability with MR 5300 is work in progress and it is not yet CE marked, and not available for sale*

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Better

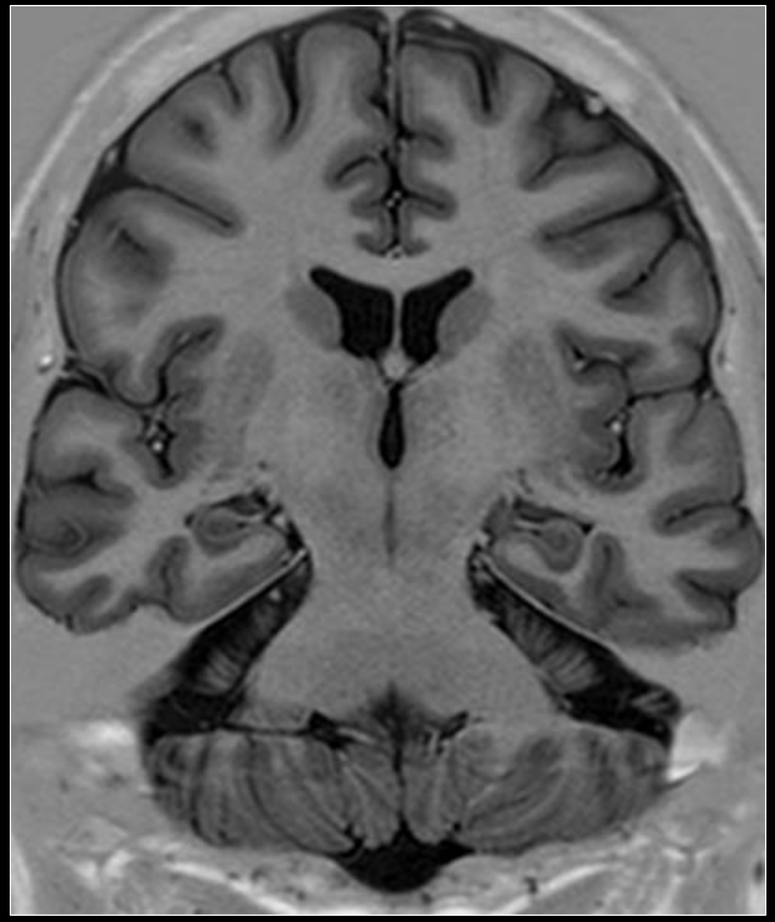
SmartSpeed

Diagnostic Confidence



SmartSpeed Essential

Brain T1 IR



Conventional
0.80x0.9x3.0mm
5m09s



SmartSpeed
0.50x0.56x2.0mm
5m13s

MR 5300

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SmartSpeed Essential

Brain Inflow Angio



Conventional High Acceleration
0.4x0.7x0.5mm
3m43s



SmartSpeed*
0.4x0.7x0.5mm
3m43s

MR 5300

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SmartSpeed Pro - Body

Prostate T2 PIRADS standard



Conventional
0.4x0.7x3mm
5m56s

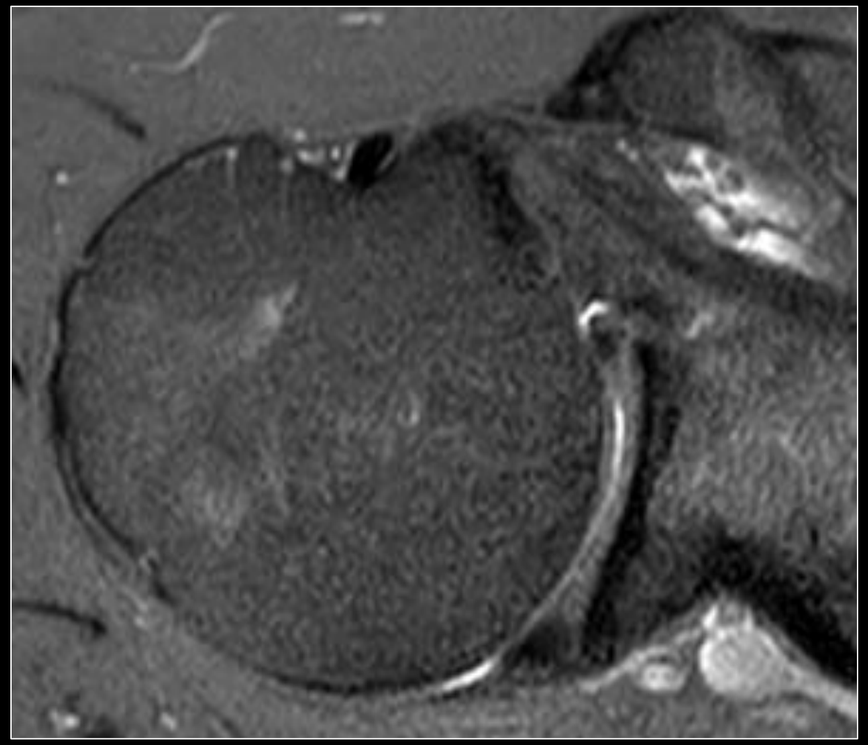


SmartSpeed*
0.4x0.7x3mm
2m36s

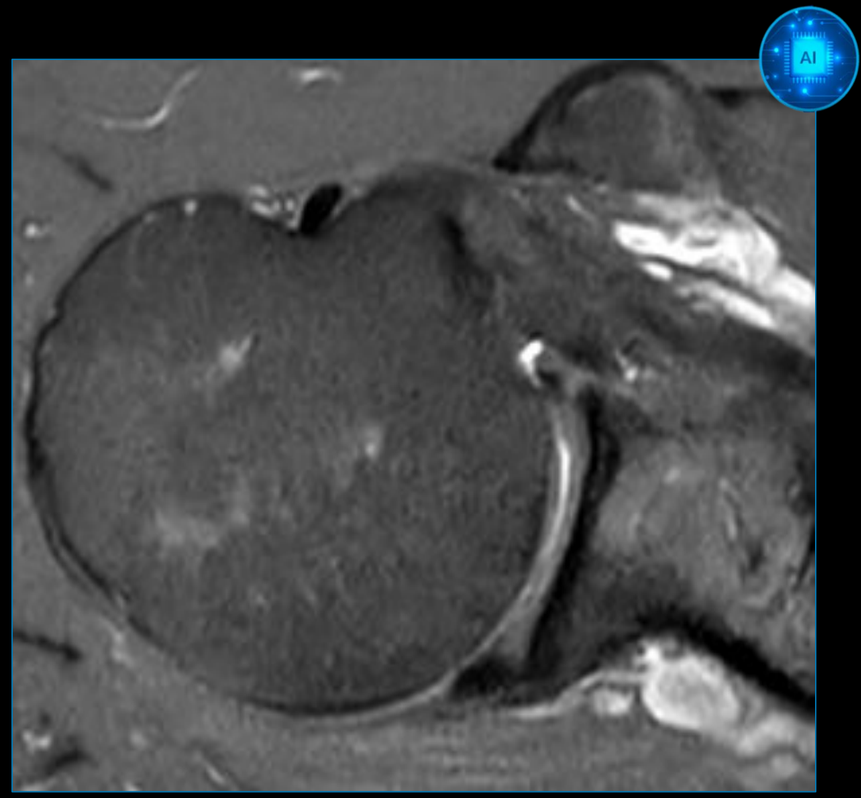
MR 5300

** Philips SmartSpeed availability with MR 5300 is work in progress and it is not yet CE marked, and not available for sale*

SmartSpeed Plus - MSK
Shoulder PD Spir



Conventional
0.5x0.6x3mm
1m59s



SmartSpeed*
0.5x0.6x3mm
1m59s

MR 5300

** Philips SmartSpeed availability with MR 5300 is work in progress and it is not yet CE marked, and not available for sale*

SmartSpeed Plus - MSK
Shoulder PD Spir



Conventional
0.65x0.81x3mm
3m32s



SmartSpeed*
0.45x0.51x3mm
2m36s

MR 5300

** Philips SmartSpeed availability with MR 5300 is work in progress and it is not yet CE marked, and not available for sale*

SmartSpeed Plus - MSK

Shoulder PDw



Conventional
0.44x0.54x3mm
2m47s



SmartSpeed*
0.3x0.36x2.5mm
2m02s

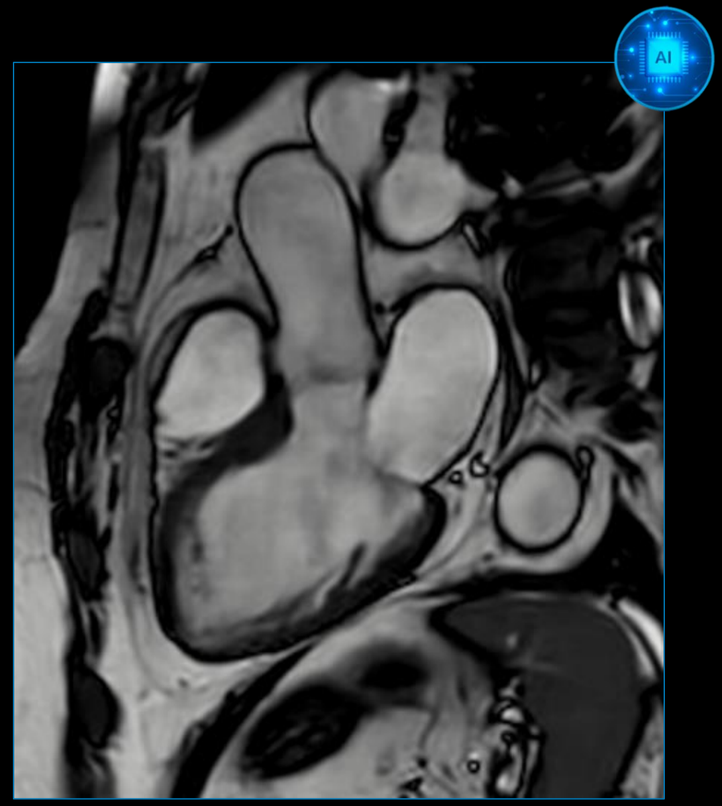
MR 5300

** Philips SmartSpeed availability with MR 5300 is work in progress and it is not yet CE marked, and not available for sale*

SmartSpeed Cardiac
BFFE cine



Conventional
34 phases, 8mm
10s



SmartSpeed*
52 phases, 8mm
10s

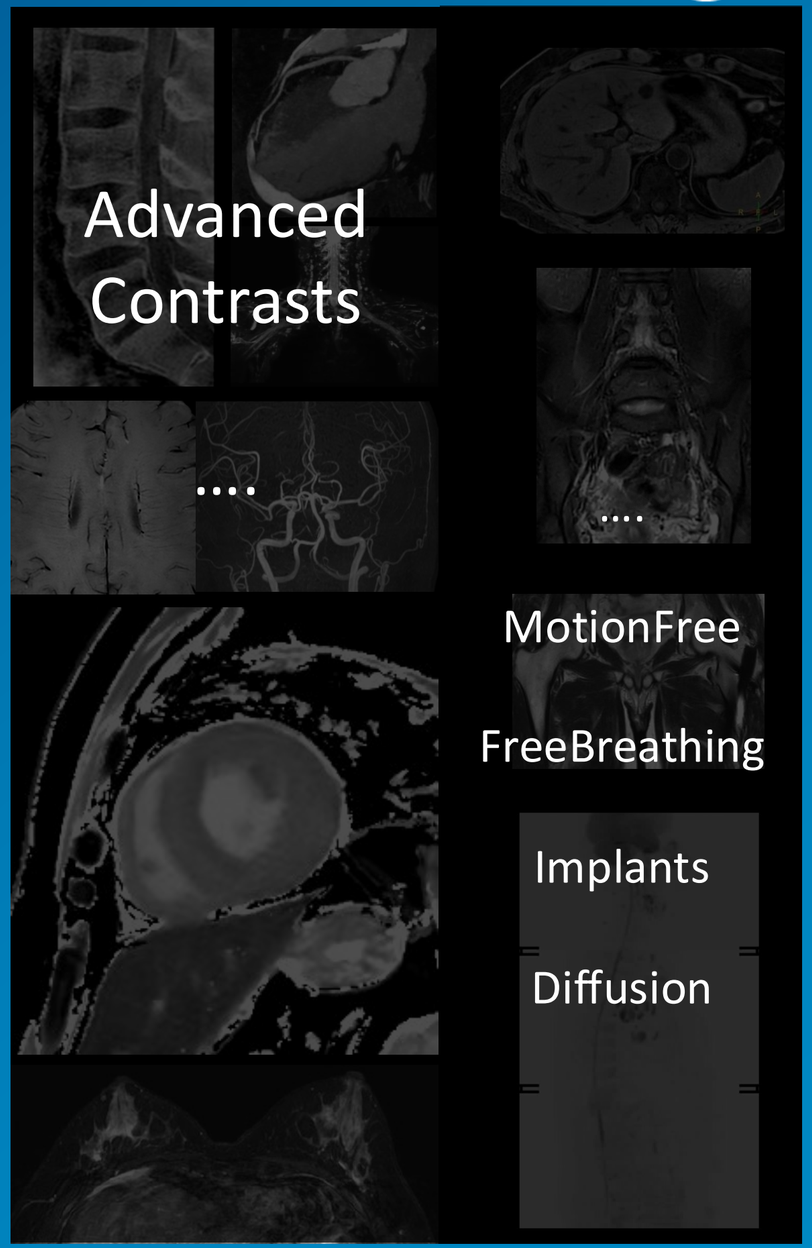
MR 5300

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Every Patient

SmartSpeed

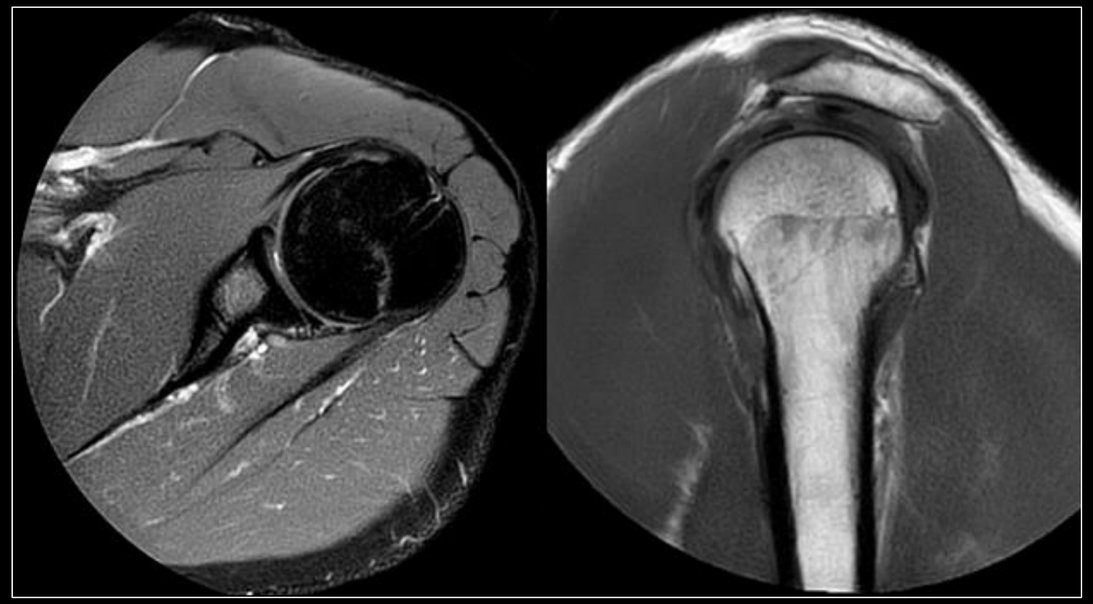
Patient Accessibility



SmartSpeed MotionFree

Shoulder

Conventional MVXD



T2 Spir
0.7x0.7x3.5
2m36s

T1
0.65x0.65x3.5
2m1s

SmartSpeed* Motion Free



T2 Spir
0.7x0.7x3.5
2m8s

T1
0.65x0.65x3.5
1m19s

MR 5300

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SmartSpeed MotionFree

T2 mDixon TSE



W only IP

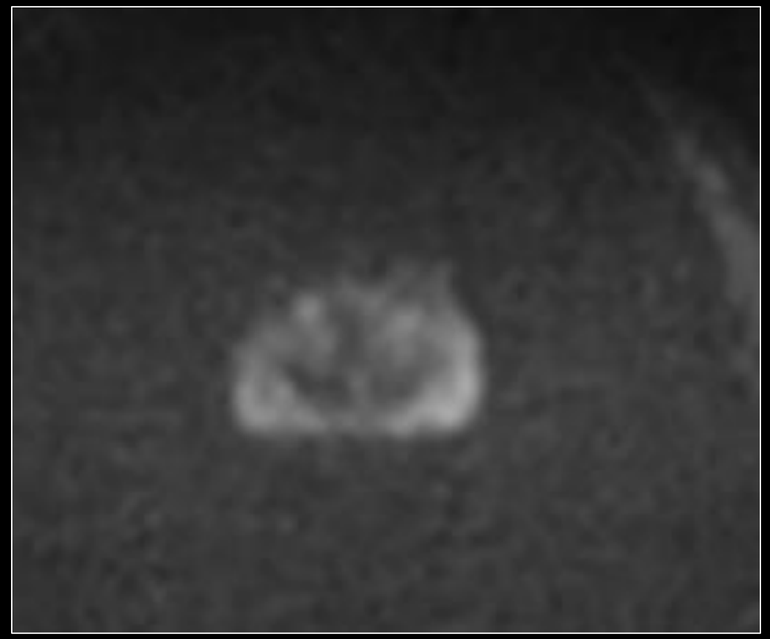
SmartSpeed* Motion Free
0.95x0.95x4
3m10s

MR 5300

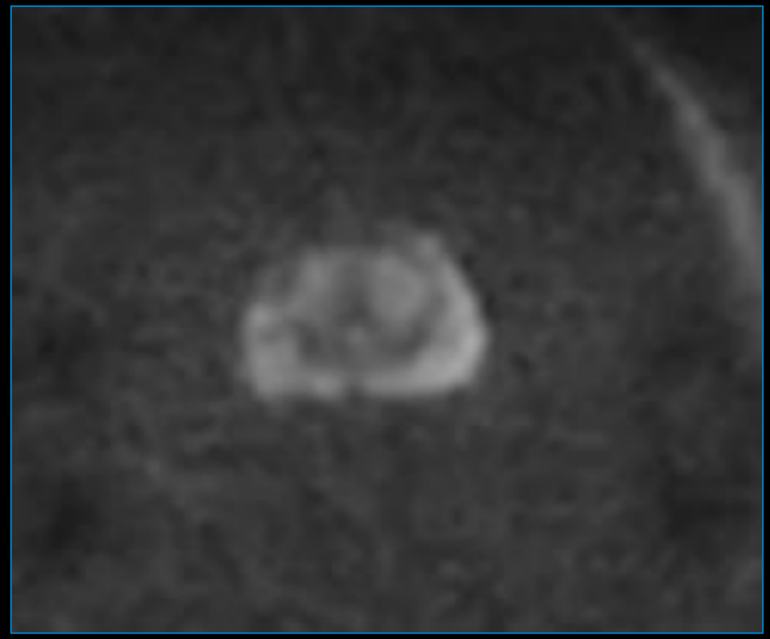
** Philips SmartSpeed availability with MR 5300 is work in progress and it is not yet CE marked, and not available for sale*

SmartSpeed Body

Prostate DWI



Conventional
b1500
3m41s



SmartSpeed*
b1500
2m17s

MR 5300

** Philips SmartSpeed availability with MR 5300 is work in progress and it is not yet CE marked, and not available for sale*


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