

SIGNA Bolt

3.0T wide bore MRI

Designed to deliver power with purpose



We're innovating with a purpose



Healthcare is facing major challenges



Demand for
precision outcomes



Clinician
shortages



Volume increasing
faster than capacity



Need for higher standard
of preventive care



There is a need for MR
technology that can deliver
**precision, efficiency and
sustainability**

We've listened Introducing SIGNA Bolt

Our wide bore 3.0T platform that marks a bold new chapter for visionary innovation

Prepare your MR department for tomorrow's groundbreaking discoveries in precision care, with next generation advanced gradient systems. SIGNA™ Bolt is powered by our new SIGNA One MRI Workflow Solutions¹ and innovative deep learning tools that help elevate the user and patient experience, all while delivering powerful imaging techniques.



SIGNA Bolt at a glance

Advanced 3.0T performance
65/200 or 80/200



Independent RF chain
130 or 162 channels



Feet-first imaging
70ch AIR Posterior Array XL



High density brain imaging
32ch 3.0T
Head-Neck Array



Noise-cancelling
patient communication
system



**Powered by SIGNA One
MRI Workflow solutions**

Virtually no learning curve
SIGNA One Interface



Real-time workflow and image guidance
In-room console



Built-in mobility and safety
SIGNA One Table



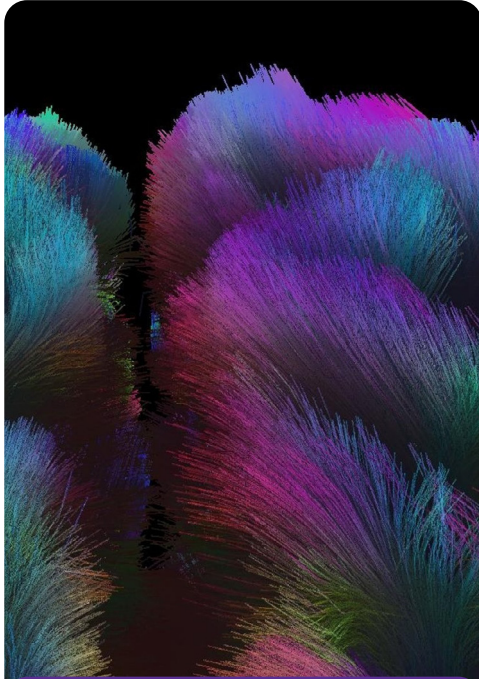
Accurate patient positioning
SIGNA One Camera



Comfortable patient setup
Contactless respiratory and peripheral gating



SIGNA Bolt



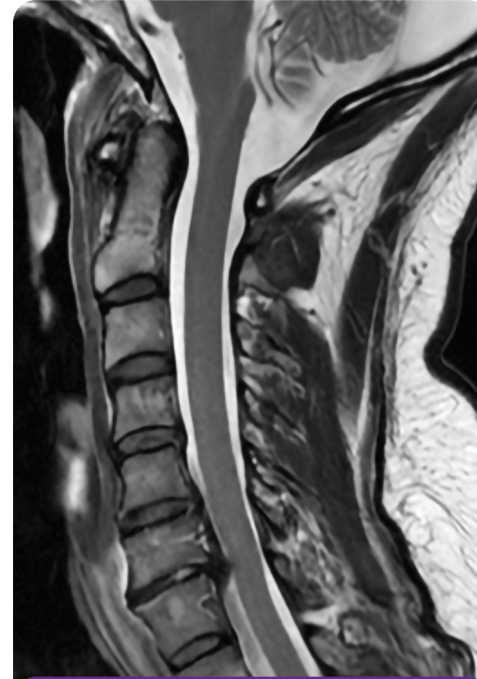
**Powerful 3.0T
performance for all**

Accelerate
groundbreaking
discoveries



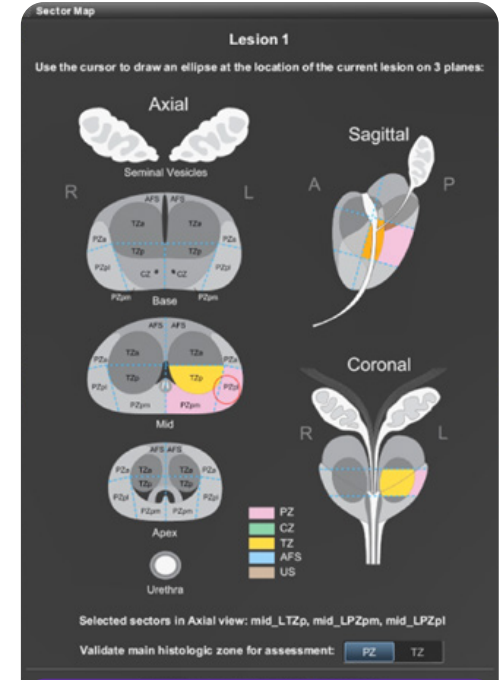
**Streamlined
clinical efficiency**

Helping you to
confront your
hardest challenges



**Deep learning
foundation**

Go far and go
fast with
AI-powered MRI



**End-to-end clinical
pathway solutions**

Support at every
step, from planning
to reporting

Remarkable gradient performance

of up to 80/200

Engineered with the SuperXG Gradient coil, SIGNA Bolt delivers powerful performance with....



65%

Reduced peak power consumption



70%

Less helium consumption



30%

Less gradient energy requirements



27%

Reduced overnight energy consumption



34%

Smaller equipment room size

...to address the ever-increasing need for precision care at lower operational costs

New AIR™ coil technology designed for every patient and user

3.0T AIR 32ch Head-Neck Array



**Patients benefit
from a comfortable,
open design**

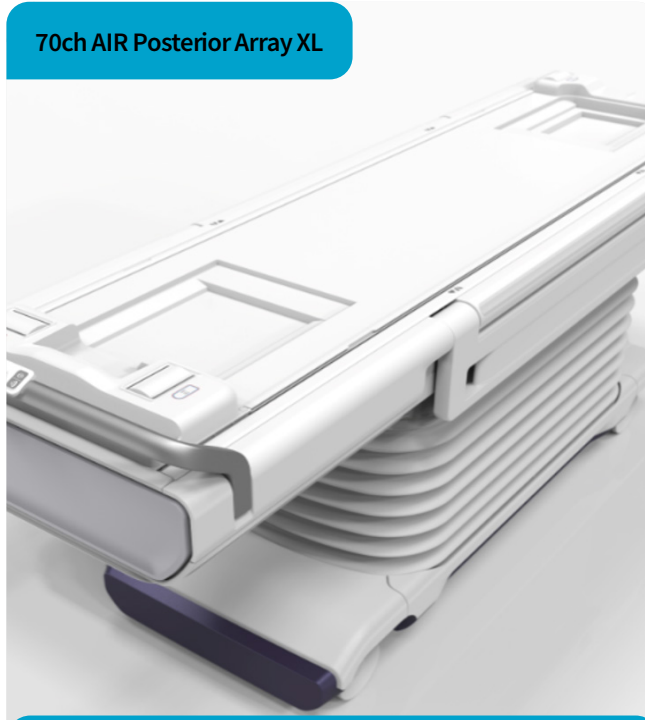
30%

higher
acceleration

70%

open face
design

70ch AIR Posterior Array XL



**Technologists
benefit from
positioning flexibility**

13%

increase
in coverage

Feet-first

imaging for
any exam



**Radiologists get the extra
channels they need for
outstanding image quality**

Exceptional whole-body coverage with up to 162 channels

Unlike traditional electromechanical designs, AIR coils technology removes overlap constraints to enhance signal performance and provide higher parallel imaging acceleration



Highest channel count in the industry¹

Head-neck imaging

68

channels over 50 cm FOV

Body imaging

60

channels over 50 cm FOV

Up to

162

channels for whole-body, multistation imaging

Deliver phenomenal performance for every patient with the 48-channel Head Coil¹

Fits

99.99%

of the patient population



Quality

Excellent penetration for high diagnostic confidence, even in the center of the image

Precision

Maximizes the clinical capabilities of advanced imaging applications

Flexibility

Compatible with both EEG and fMRI simultaneously

Workflow solutions to make effortless MR the new normal

Intelligent solutions designed
to **get scans right the first time**

SIGNA One, our suite of AI-powered
MRI workflow solutions, helps
streamline imaging from plan
to scan - and beyond



1 SIGNA One Interface

Predictive, intuitive and
user-centric interface with
virtually no learning curve

2 In-room console

Provides real-time image and
workflow guidance, to give
every user confidence

3 SIGNA One Table

Lowers to 530mm, connects
with autodocking and uses
power-drive technology for
simple and accessible patient
transport

4 SIGNA One Camera

AI-enabled camera guides
patient positioning with up
to 99% accuracy across 27
anatomical landmarks for easy
and precise patient positioning

5 Contactless respiratory and peripheral gating

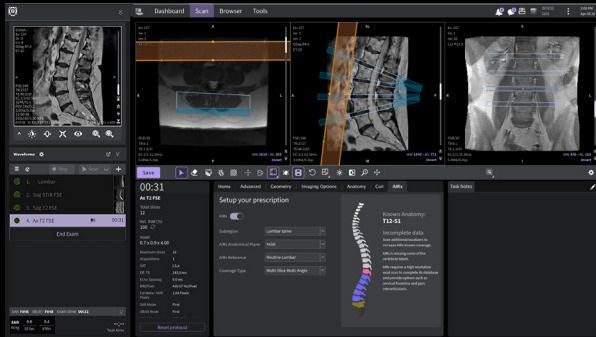
No more belts or additional
devices, for a hassle-free,
comfortable patient setup

Unlock remarkable imaging with our deep learning tools

As industry leaders in AI-powered MRI, our tools help you address every aspect - covering most protocols, anatomies and exam types, so even motion sensitive anatomies can be scanned effortlessly, with diagnostic confidence

AIR x

Automatic slice prescription for brain, knee, spine and prostate exams

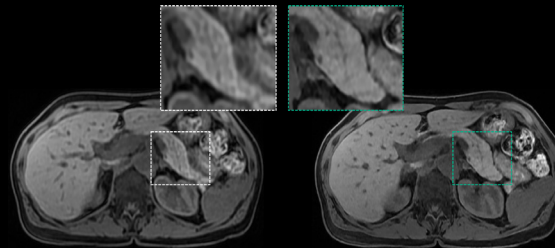


Up to
80%
reduction in mouse clicks
with AIR x Spine ¹

Up to
80%
faster setup
with AIR x Spine ¹

AIR Recon DL

Pioneering deep-learning-based MR reconstruction tool that dramatically improves SNR without compromising scan time



Conventional

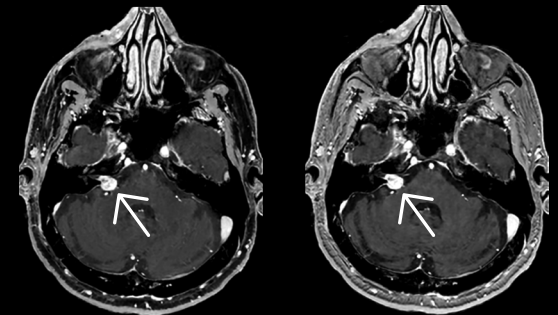
With AIR Recon DL

Cover
99%
of MR exams

Up to
60%
sharper images

Sonic DL

Deep-learning-based MR acceleration technique that slashes scan times without compromising diagnostic quality



Conventional (3:13 min)

With Sonic DL (1:23 min)

Support
75%
of exams²

Up to
12x
acceleration³

Up to
86%
faster scans⁴

Solutions to support every step, from planning to reporting

Our solutions support every step in the patient journey, for efficient and consistent care



SIGNA One whole-body workspace

Seamless whole-body imaging

Unlock fast and simple head-to-toe imaging without repositioning with our whole-body workspace



PROView

Streamline decision making

End-to-end solutions that support decision making in neurology and oncology imaging, from planning to scanning and reporting

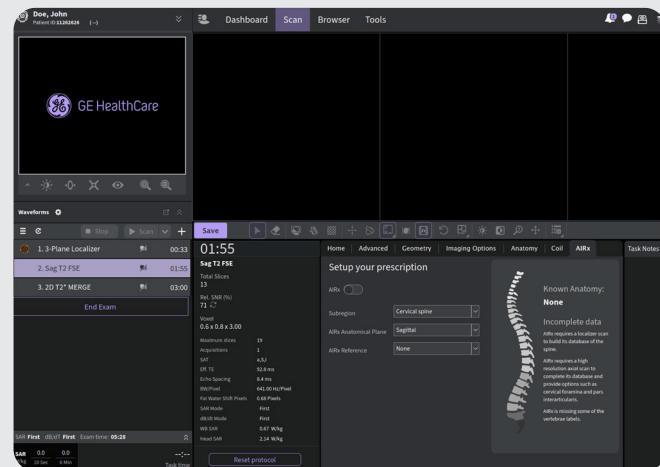


icobrain¹

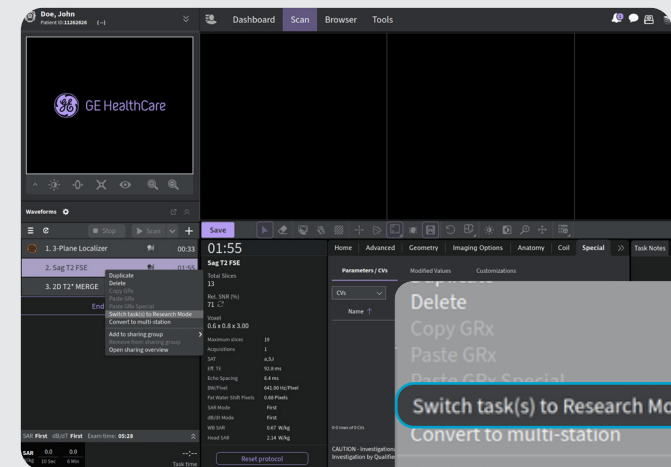
Robust research and collaboration tools

Conquer your research ambitions with SIGNA Bolt's open and flexible research environment designed to empower groundbreaking discoveries

Clinical mode



Research¹ mode

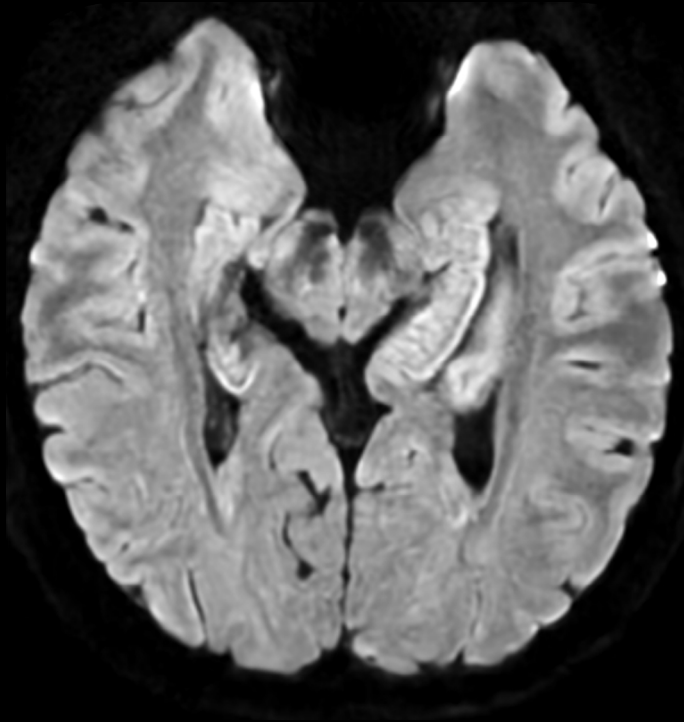


1-click switch between clinical and research mode

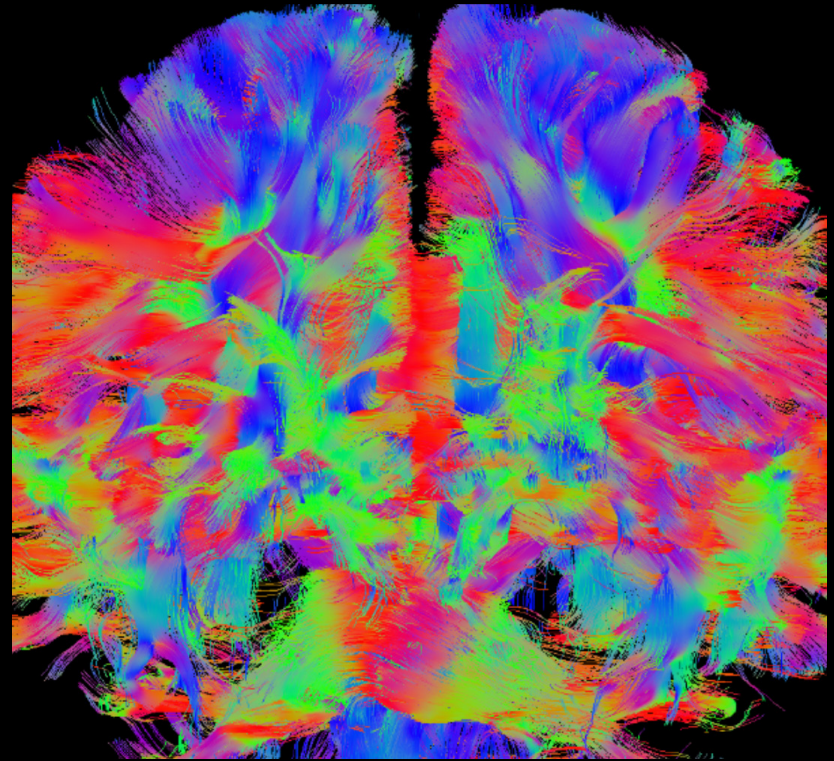
Exceptional 3.0T imaging with SIGNA Bolt

Neuroimaging

DWI MUSE AIR Recon DL Phase Correction
 $b = 1200 \text{ s/mm}^2$
Resolution $0.8 \times 0.8 \times 1.5 \text{ mm}$



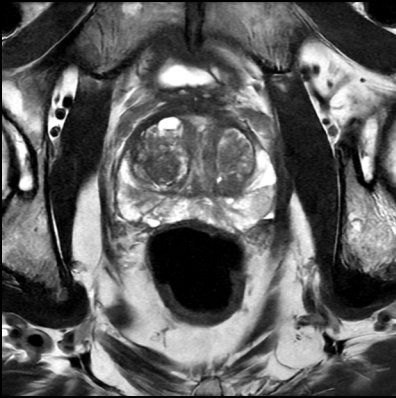
HARDI
128 directions, $b = 3000 \text{ s/mm}^2$
Resolution $2 \times 2 \times 2 \text{ mm}$



Exceptional 3.0T imaging with SIGNA Bolt

Spine and prostate imaging

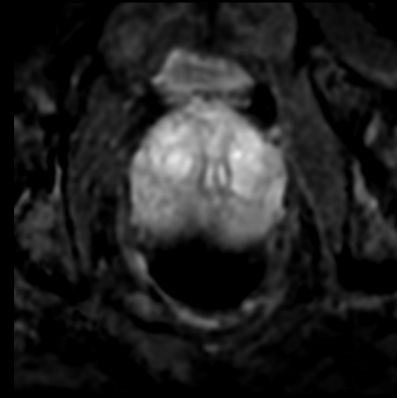
Axial T2 FSE
0.4 x 0.7 x 3 mm
3:40 min/26 slices



Coronal T2 FSE
0.4 x 0.7 x 3 mm
3:40 min/26 slices



AIR Recon DL Phase Correction
Axial MUSE DWI b800
1.7 x 1.7 x 3 mm
3:06 min/26 Slices



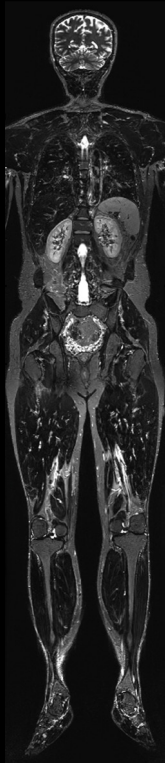
Sagittal STIR FSE
0.7 x 0.9 x 3mm
1:52 min/12 Slices



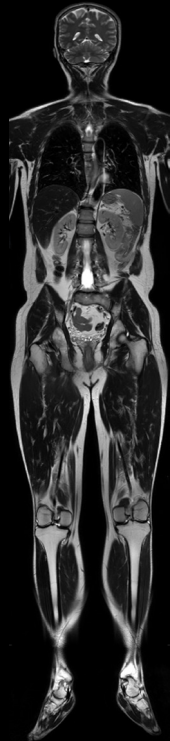
Exceptional 3.0T imaging with SIGNA Bolt

Whole-body & large field-of-view imaging

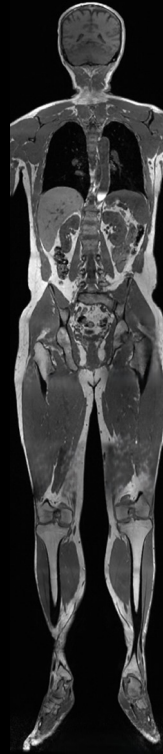
Coronal SSFSE STIR
1.3 x 2 x 4 mm
48 Slices/4:12 min



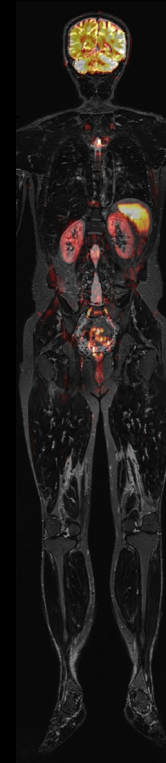
Coronal SSFSE T2
1.3 x 2 x 4 mm
48 Slices/3:36 min



MPR Coronal Inphase
LAVA Flex
2 x 1.6 x 1.7 mm
250 Slices/2:48 min



Fusion Coronal
SSFSE STIR
& MIP Coronal MUSE
DWI b800



MIP Coronal
MUSE DWI b800
1.7 x 1.7 x 5 mm
35 Slices/11:33 min



Get ready for visionary 3.0T imaging with SIGNA Bolt



Powerful 3.0T performance, streamlined clinical efficiency, deep learning foundation and end-to-end clinical pathway solutions

Up to 80/200

gradient designed with 30% less energy consumption

34%

reduction in equipment room size¹

1-click

switch between clinical and research mode

162ch

simultaneous whole-body imaging

Up to 86%³

faster scan time with Sonic DL

50%

more channels for head-neck imaging²

Up to 99%

accurate patient positioning with SIGNA One Camera



Learn more about SIGNA Bolt



Learn more about the SIGNA
family of MR solutions



About GE HealthCare Technologies Inc.

GE HealthCare is a leading global healthcare solutions provider of advanced medical technology, pharmaceutical diagnostics, and AI, cloud and software solutions that help clinicians tackle the world's most complex diseases. Serving patients and providers for 130 years, GE HealthCare is delivering bold innovations designed for the next era of medicine across its Imaging, Advanced Visualization Solutions, Patient Care Solutions, and Pharmaceutical Diagnostics segments to help clinicians deliver more personalized, precise patient care. We are a \$20.6 billion business with approximately 54,000 colleagues working to create a world where healthcare has no limits.

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SIGNA One represents features that are 510(k) cleared with SIGNA Bolt by the U.S. FDA. Not CE marked. Not available for sale in all regions.

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