## **SIEMENS**

www.usa.siemens.com/MR

# Quiet the Cost of Care

**Total Sound Solutions for Better Patient Compliance** 

Answers for life.

## Imaging should be seen, not heard.

That's why we've engineered our MAGNETOM® family of MR systems with numerous noise reduction features. Individually and together these features contribute to a quieter MR exam for your patients, which can lead to better patient compliance.

As a result, you can:

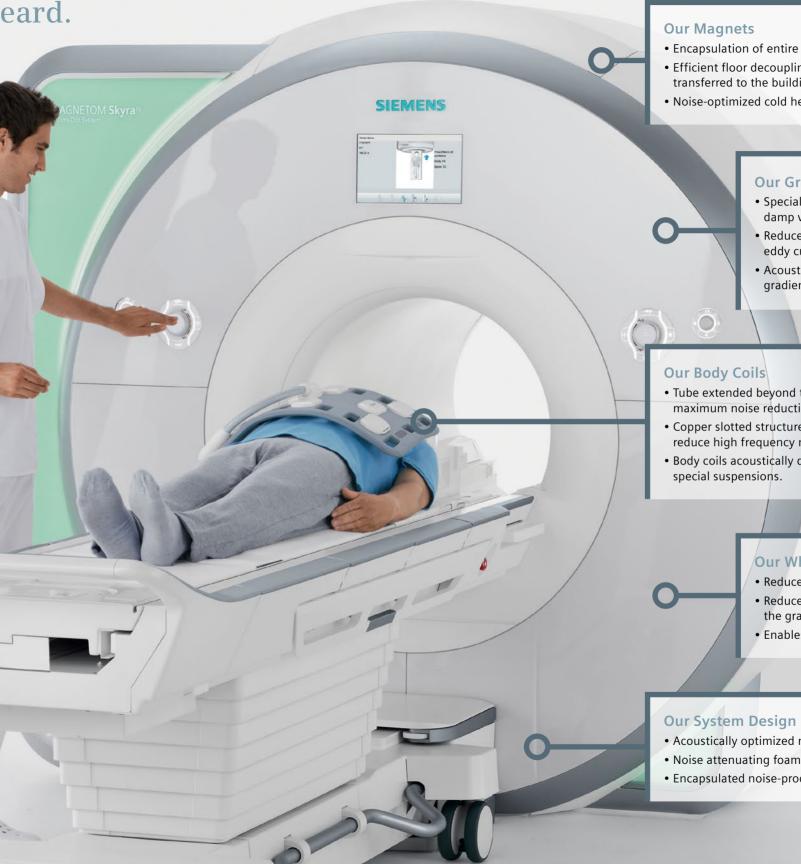
- Perform exams faster for better MR utilization.
- Avoid rescheduling exams for enhanced departmental workflow.
- Improve clinical confidence, which can limit misdiagnosis and readmissions.
- Better manage your cost per case.

Learn more about the MAGNETOM family of MR systems at www.usa.siemens.com/mr.

### **Our Quiet Suite<sup>1</sup>**

- Optimized gradient switching lowers noise.
- Sound pressure reduced by at least 70%.<sup>2</sup>
- Optimized protocols for neurological and orthopedic exams.

<sup>1</sup> Available on MAGNETOM Aera and Skyra systems. <sup>2</sup> Data on file.



- Encapsulation of entire magnet.
- Efficient floor decoupling reduces noise
- transferred to the building.
- Noise-optimized cold head.

## **Our Gradient**

- Special epoxy resins and casting technology damp vibrations.
- Reduced gradient stray field decreases eddy currents.
- Acoustically soft and mechanically rigid gradient coil mount in magnet.

- Tube extended beyond the gradient coil for maximum noise reduction.
- Copper slotted structures glued to tube
- reduce high frequency noise.
- Body coils acoustically decoupled by

### **Our Whisper Mode<sup>3</sup>**

- Reduces the maximum slew rate.
- Reduces the maximum amplitude of the gradients.
- Enables very quiet imaging techniques.

- Acoustically optimized mountings.
- Noise attenuating foam.
- Encapsulated noise-producing components.

<sup>3</sup> Available on MAGNETOM Avanto.

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The information in this document contains general technical descriptions of specifications and options as well as standard and optional features which do not always have to be present in individual cases.

Siemens reserves the right to modify the design, packaging, specifications and options described herein without prior notice. Please contact your local Siemens sales representative for the most current information.

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