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Excelart

Excelart™ combines a high-field, high-performance magnet with an inventive noise reduction technology that reduces acoustic noise by up to 90%, making it the world's quietest MRI system. This noise reduction technology is part of the Toshiba's SPIN Technology concept, a combination of existing technology and works-in-progress that will work together to make exams more efficient for technologists, more accurate for reading physicians, and more comfortable for patients.

With SPIN Technology, Excelart will continue to provide consistently high quality images to satisfy the demands of any exam, from the routine to the advanced.

A 1.5T magnet providing superior homogeneity and low cryogen usage for efficient, cost-effective imaging

- **The industry's widest, short-bore design with a 17% larger aperture for a more "open" feeling that contributes to increased patient comfort**
- **SPIN Technology, which stands for:**
    - **S - SPEEDER parallel imaging technology,* a revolutionary advance in acquisition speed, to reduce scan times for increased patient comfort and excellent quality images**
    - **P - Pianissimo noise reduction technology which helps eliminate patient anxiety associated with gradient coil noise**
    - **IN - Interactive scan parameter adjustments during the scan for optimal image contrast and a user-friendly interface for highly efficient workflow. Version 5 software enhancements,* under development, will provide 3-D real-time interactive scan plane control for faster planning of optimal slice orientation for imaging of complex patient anatomy**
- **A wide range of coils for a variety of advanced and routine applications**

Magnet:

- **Superior homogeneity specs**
- **Comprehensive shimming: passive, active and auto-active**
- **Low cryogen usage**

Independent Gradient Coil:

- **Reduces acoustic noise without sacrificing image quality or scan time**
- **Floor mounted to ensure isolation from magnet**
- **Independent gradient coil structure and vacuum contribute to a 90% reduction in noise**

Aperture:

- **65.5 cm open bore**
- **Widest short bore available**
- **Ensure greater patient comfort**