Open Your Eyes to the Future of MRI:

0.6 Tesla Open MRI
Setting A Higher Standard

FSE (ETL = 15)
TE = 160 ms
TR = 5600 ms
5.0 mm slice
FOV = 23.0 cm
Scan Time = 2:01

FSE (ETL = 15)
TE = 160 ms
TR = 4000 ms
4.0 mm slice
FOV = 22.0 cm
Scan Time = 3:21

FSE (ETL = 15)
TE = 160 ms
TR = 4000 ms
5.0 mm slice
FOV = 28.0 cm
Scan Time = 3:53

Gradient Echo
TE = 22.5 ms
TR = 506 ms
Flip Angle = 20°
3.0 mm slice
FOV = 20.0 cm
Scan Time = 5:18

High Resolution 3DFT
Isotropic Acquisition
80 1.25 mm slices
(Coronal Multiplanar Reformatting also shown)

Speed, Resolution and Contrast...
T1 FSE (ETL = 3)
TE = 34 ms
TR = 1122 ms
7.0 mm slice
FOV = 35.0 cm
Scan Time = 2:42

High Resolution
Quadrature Coil (WIP)
Spin Echo
TE = 25 ms
TR = 855 ms
3.0 mm slice
FOV = 12.0 cm
Scan Time = 5:42

Spin Echo (Ungated)
TE = 15 ms
TR = 589 ms
7.1 mm slice
FOV = 36.0 cm
Scan Time = 6:32

FSE (ETL = 15)
TE = 160 ms
TR = 3575 ms
4.0 mm slice
FOV = 18.0 cm
Scan Time = 3:15

FSE (ETL = 15)
TE = 160 ms
TR = 5525 ms
7.5 mm slice
FOV = 32.0 cm
Scan Time = 3:54

Spin Echo
TE = 20 ms
TR = 380 ms
3.9 mm slice
FOV = 10.0 cm
Scan Time = 3:18

the Winning Combination for Open MRI
Selected QUAD™12000 Specifications

**Magnet**
- 0.6 Tesla
- Vertical Field, Non-Superconducting, Iron-Core Electromagnet
- Four-Side Access

**Patient Aperture:**
- Vertical – 19" (48 cm)
- Horizontal – 49" (124 cm)

**Gradients**
- **Strength:**
  - 12 mT/m
- **Rise Time:**
  - 600 µsec

**Computer Subsystem**
- **Image Display Computer:**
  - 550 MHz Pentium III Processor
  - 256-Byte Memory
- **Image Reconstruction:**
  - 2DFT
  - 3DFT
- **Reconstruction Time:**
  - 0.7 seconds

**Operator Console**
- Fully Integrated Operator-Friendly Console
- Two High-Resolution Monitors

**High Performance Software**
- Full Multi-Tasking
- Off-Center FOV Imaging
- Multi-Angle Oblique Imaging™
- SMART™ Scanning
- User-Defined Protocols
- User-Selectable Scan Parameters
- Variable Screen Format
- Real-Time Continuous Zoom

**Standard Pulse Sequences**
- Fast Spin Echo
- MRA
- STIR (Fat Suppression)
- Gradient Echo
- Inversion Recovery
- CRISP™ Motion Compensation

**Minimum FOV:**
- 8.0 cm

**Minimum Slice Thickness:**
- 2.5 mm – 2DFT
- 0.8 mm – 3DFT

**Patient Handling System**
- 500 lbs. (227 kg) Capacity

Specifications subject to change without notice

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