Nearly a quarter of all MR imaging is done on the spine, and Echelon Oval provides the power, coils and sequences for fast, intuitive, high quality spine imaging, from routine views to advanced functional studies.

The inherent patient comfort and compliance of the widest widebore and the SynergyDrive workflow tools combine for efficiency and productivity.
User-defined protocols for easy scan set-up and efficient workflow. QuickScan protocols for short exam times and high throughput.

CERVICAL
For sharp, detailed cervical spine imaging with short scan times and high SNR.
Phase Balanced SARGE (PBSG) provides bright CSF and detail of the cord.

THORACIC
T1 and T2 weighted images, with or without STIR clearly depict anatomy and pathology in the central spine region.
opFSE minimizes lung field susceptibility effects in axial views.

LUMBAR
WIT spine coil elements are strategically shaped and placed to maximize signal in spine imaging.
isoFSE sequence provides the high resolution needed for depiction of nerve roots.
**Metal Imaging**

opFSE/primeFSE with user selectable bandwidth reduces distortion due to metal implants. Flexible acquisitions including T1, T2, PD or Inversion Recovery weighting.

**Adage**

Multi-echo gradient echo sequence combining up to 32 echoes for a unique contrast weighting.

High SNR/CNR acquisition with reduced chemical shift provides improved gray/white matter contrast.

**Radar**

Voluntary or involuntary motion compensation with the industry’s leading radial scanning technique.

Spin Echo, FSE and Gradient Echo sequences yield diagnostic results even with the most challenging patients.

**QuickScan**

opFSE and VIVID image processing provide increased sharpness and SNR enabling shortened scan times – Complete lumbar spine exams in less than 10 minutes.
MYELOGRAPHY

Non-invasive assessment of the spinal cord and canal is achieved using heavy T2 weighting (FSE), Inversion Recovery or Balanced SARGE for high contrast resolution.

WHOLE SPINE

Multiple station imaging with Auto Table Step and Image Stitching nets an extended field of view for depiction and diagnosis of systemic conditions.

Up to eight acquisition stations can be stitched, and exported as a single DICOM file.

DIFFUSION

DWI identifies pathology with confidence, aiding in characterization of cord lesions.