

## Echelon™ Technology The Value of Motion-free Imaging with RADAR™

**RADAR™** is a method of collecting image information that compensates for motion artifacts to significantly improve image quality and expedite interpretation.

While many patients can hold still throughout an exam, many will voluntarily or involuntarily move.

RADAR provides a method to reduce motion artifact, potentially without constraining or sedating patients.

Entire MR examinations can be performed motion-free.

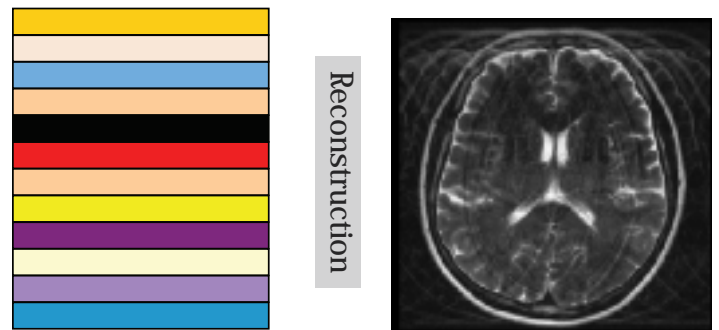
### RADAR Advantages:

- Reduces repeat scans
- Increases image quality
- Expands clinical capability
- Use in any plane
- Compatible with all RF coils
- Comprehensive pulse sequence offering:
  - FSE, SE, BASG, primeFSE and primeFIR
  - Echo train and non-echo train applications
  - T2, T1, FLAIR, STIR, fat saturation
  - 2D/3D applications

### How does RADAR work?

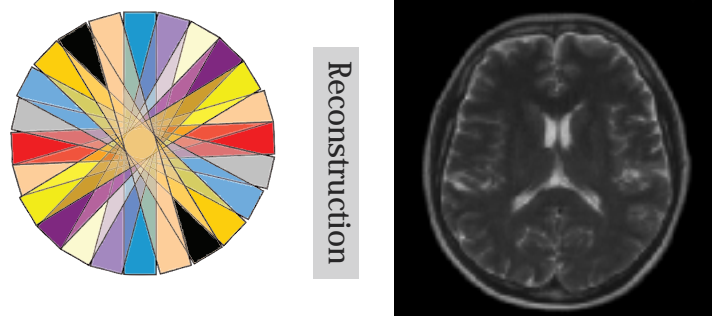
RADAR's method of data collection compensates for patient motion by collecting data in a radial fashion, repeatedly sampling the center of k-space.

#### Conventional Imaging



Patient motion during conventional scanning results in the propagation of an artifact throughout the reconstructed image.

#### RADAR



RADAR acquires the data radially. The result is a reduction of motion artifacts and a signal-to-noise ratio increase, with a small increase in scan time.

