

New opportunities with mid/low field MRI

- High-performance lower field MRI technology
- New clinical applications
- Lower cost MRI
 MRI-guided cardiovascular procedures
- 3. Comprehensive lung imaging
- 4. Other: high susceptibility regions, implant accessibility









MRI system performance

High performance =

Gradient performance

- Magnet design
- Receiver hardware
- RF transmission
 B1 homogeneity
- SAR limitations
- Pulse sequences
- Computational capabilities





9





MRI system performance

n meth

High performance =

Magnet designReceiver hardware

RF transmission

Pulse sequence

New acquisition

Optimized sequeFree breathing

Computational capabilities

Gradient performance

b = 50

b = 800

Artifact reduction

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P.

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ADOK!

3D SP

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