



**PHILIPS**

O-MAR

MR Clinical application

# Efficient near-metal soft tissue and bone imaging

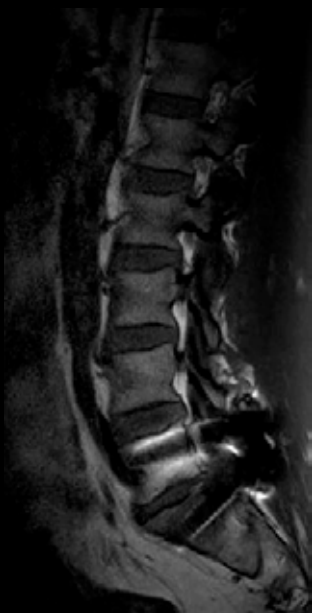
**O-MAR** (Metal Artifact Reduction for Orthopedic implants) allows you to improve visualization of more soft tissue and bone in the near vicinity of MR Conditional orthopedic implants<sup>1</sup> by reducing in-plane susceptibility artifacts<sup>2</sup> caused by metal implants<sup>1</sup>. This allows you to offer post-operative MR imaging to patients with implants who could develop implant-related conditions.

<sup>1</sup> Only for use with MR Safe or MR Conditional implants by strictly following the Instructions for Use

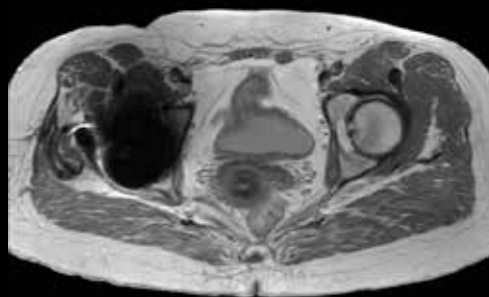
<sup>2</sup> Compared to standard high bandwidth spin-echo based techniques

# O-MAR

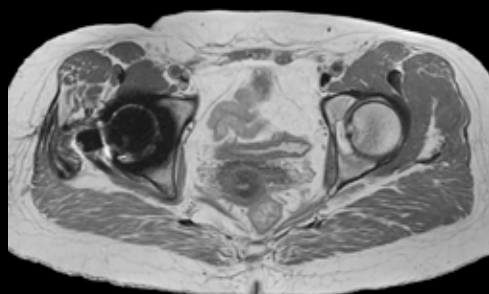
Field strength	1.5T, 3.0T.
Main applications	Spine, MSK. Also available for other anatomies.
Sequence	Extending MARS (Metal Artifact Reduction Sequence) with the View Angle Tilting (VAT) technique.
Image contrast	Supporting most relevant image contrasts like T1w, T2w, PDw, STIR.
Speed	Leverages the efficient dS SENSE parallel imaging technology to provide superior speed performance.
Image quality	Optimal signal-to-noise due to dStream's digitization at the patient.



T1w TSE – O-MAR  
0.8 x 1.0 x 4.0 mm, 2:30 min  
Ingenia 3.0T



PDw TSE – High bandwidth  
1.1 x 1.4 x 3.0 mm, 2:38 min  
Ingenia 1.5T



PDw TSE – O-MAR  
1.1 x 1.4 x 3.0 mm, 4:10 min  
Ingenia 1.5T