



**PHILIPS**

O-MAR XD

MR software

# Efficient near-metal soft tissue and bone imaging

Philips O-MAR XD for 1.5T systems

## Key benefits

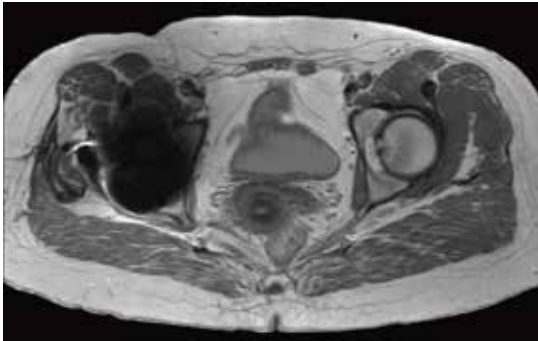
- Effective reduction of in- and through- plane susceptibility artifacts caused by metal implants<sup>1</sup>
- Supports most relevant clinical MR contrasts (T1, T2, PD, STIR)
- Compatible with dS SENSE for parallel imaging

O-MAR XD provides you with efficient in-plane and through-plane susceptibility artifact reduction in the vicinity of metal implants<sup>1</sup> by combining the View Angle Tilting (VAT) and the Slice Encoding for Metal Artifact Correction (SEMAC) techniques. Diagnostic images of the near-metal bone and soft tissue can be obtained with most relevant image contrasts (T1, T2, PD, and STIR).

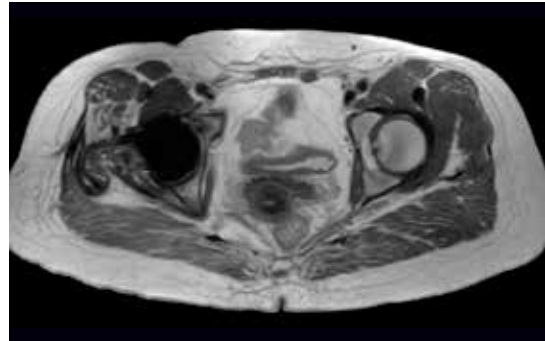
This allows you to offer post-operative MR imaging to patients with implants who could develop implant-related conditions, such as osteolysis, metallosis, pseudotumors, and fluid retention.

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

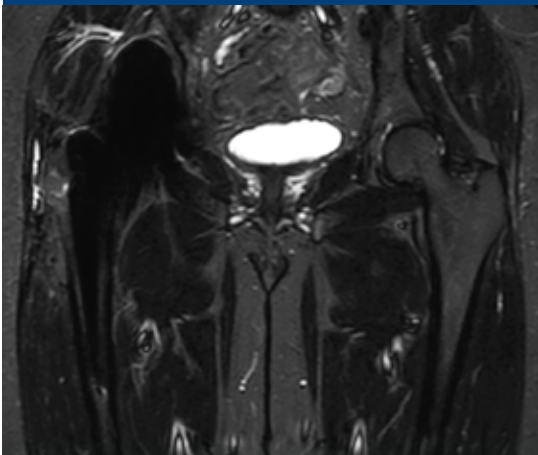
# O-MAR XD



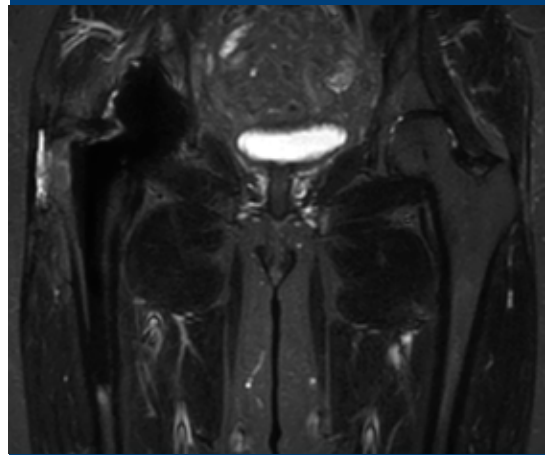
PDw TSE – High bandwidth  
1.1 x 1.4 x 3.0 mm, 2:38 min



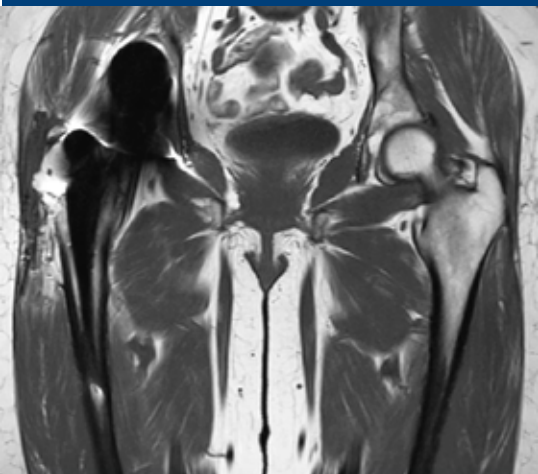
PDw TSE – O-MAR XD  
1.3 x 1.6 x 3.0 mm, 7:55 min



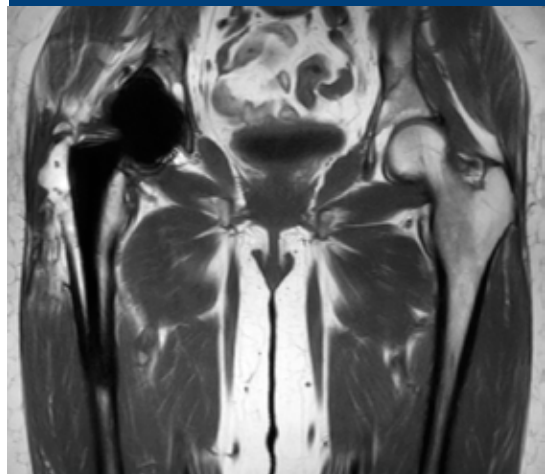
STIR – High bandwidth  
1.7 x 2.0 x 5.0 mm, 1:51 min



STIR – O-MAR XD  
1.7 x 1.7 x 5.0 mm, 7:16 min



T1w TSE – High bandwidth  
1.1 x 1.4 x 5.0 mm, 0:58 min



T1w TSE – O-MAR XD  
1.1 x 1.4 x 5.0 mm, 6:20 min

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