

# MRI Implant Integrity

Updated

11/18/2023

Indications: implant rupture, implant deformity, assess implant deformity.

Patient is scanned in the prone position to decrease respiratory motion artifact.

Rotate images to anatomic position prior to sending images to PACS.

IV contrast is not given for this protocol.

| Pulse Sequence | PACS Name     | plane | fat sat | slice (mm) | first slice |
|----------------|---------------|-------|---------|------------|-------------|
| STIR           | STIR AX BILAT | ax    | no      | 4          | top         |
| T1             | T1 AX BILAT   | ax    | no      | 5          | top         |
| STIR           | STIR RIGHT    | sag   | no      | 4          | right       |
| T1             | T1 RIGHT      | sag   | no      | 5          | right       |
| STIR           | STIR LEFT     | sag   | no      | 4          | right       |
| T1             | T1 LEFT       | sag   | no      | 5          | right       |

# MRI Implant Integrity

Updated

03/03/25

Reviewed

05/14/25

Indications: implant rupture, implant deformity, assess implant deformity.

Patient is scanned in the prone position to decrease respiratory motion artifact.

Rotate images to anatomic position prior to sending images to PACS.

IV contrast is not given for this protocol.

| Pulse Sequence | PACS Name          | plane | fat sat | water sat | slice (mm) | gap (mm) | first slice |
|----------------|--------------------|-------|---------|-----------|------------|----------|-------------|
| T1             | T1 AX BILAT        | ax    | no      | NA        | 4          | 1        | top         |
| T2             | T2 AX BILAT        | ax    | no      | NA        | 4          | 1        | top         |
| STIR           | STIR AX BILAT      | ax    | no      | no        | 4          | 1        | top         |
| STIR           | AX SILICONE        | ax    | no      | yes       | 4          | 1        | top         |
| STIR           | SAG RIGHT SILICONE | sag   | no      | yes       | 4          | 1        | right       |
| STIR           | SAG LEFT SILICONE  | sag   | no      | yes       | 4          | 1        | right       |