



Neues MRT Prodiva CX - Erfahrungsbericht -

Referentin:
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Prodiva 1.5T



Praxis Schiffer

- 2 MRT (Ingenia und Prodiva)
- CT Ingenuity Flex
- Dura Diagnost
- Affinity 70
- 32 Mitarbeiter (davon 6 Ärzte, 12 MTRA's)
- Radiologie und Allgemeinmedizin
- Nuklearmedizin in Planung
- 2 Standorte (Berlin und Brandenburg)

Untersuchungsspektrum

- ☉ 300 MRT Untersuchungen pro Woche
- ☉ Davon:
 - ☉ 40% Neuroradiologie
 - ☉ 40% Muskuloskelettal
 - ☉ 20% Abdomen, Angiographien u.a.
- ☉ 50 CT
- ☉ 150 Röntgen

Geräteeinbringung

Einbringung MRT



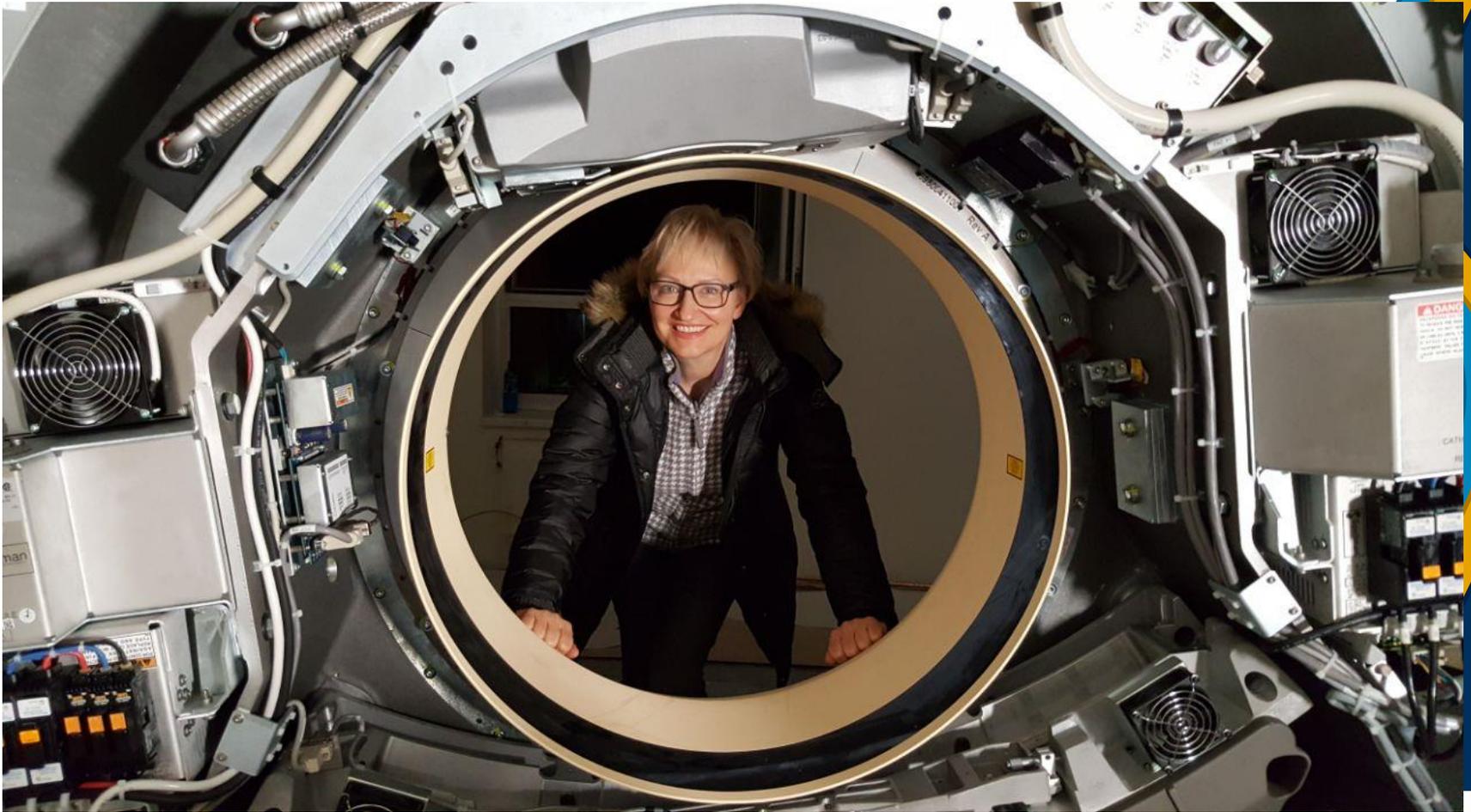
MRT Ingenia



Einbringung MRT



CT



CT Tisch



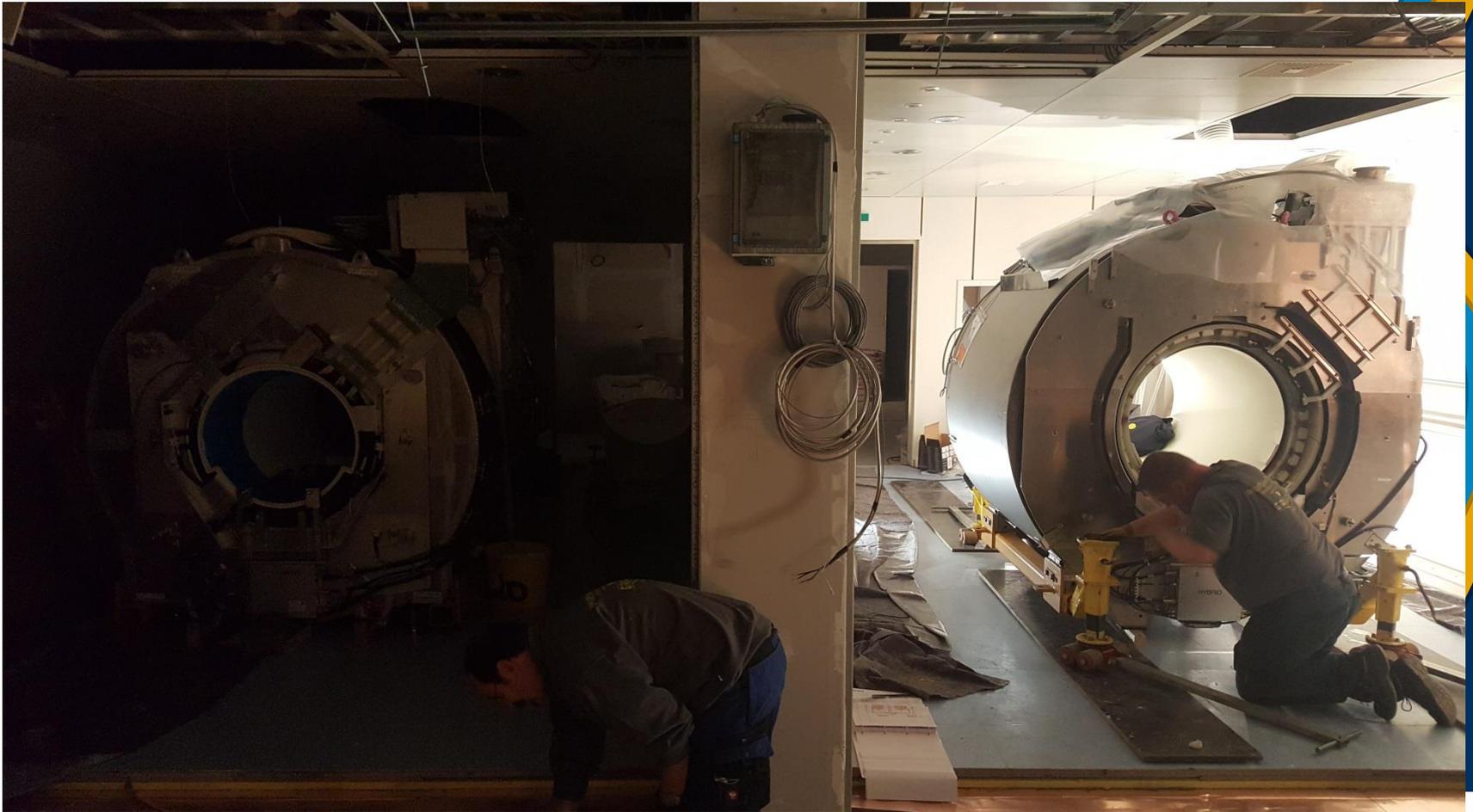
MRT Prodiva



MRT Tisch



MRT



MRT



- ☾ Entscheidungsgrundlagen:
- ☾ Untersuchungszahlen
- ☾ Öffnungszeiten
- ☾ Kapazitätsausweitung
- ☾ Kompaktes Gerät (Größe/Gewicht)
- ☾ Gute Bildqualität
- ☾ „Arbeitspferd“
- ☾ Leichte Bedienbarkeit

Vorteile im Überblick

1. Digitale dStream Breitbandtechnologie
2. Beschleunigung der Arbeitsabläufe
3. Robuste Methoden für hochqualitative Routinebildgebung
4. Weniger Zeitaufwand für Pat.-positionierung und Spuleneinstellung
5. Spulen passen sich Pat.-anatomie an
6. Smart Exam
7. Transport & Installationskosten

Vorteile im Detail (1/7)

Digitale dStream Breitbandtechnologie

- ☉ erfasst das MRT-Signal in seiner reinsten Form
- ☉ verbessert das Signal-Rausch-Verhältnis
 - ↳ bessere Bildqualität und niedrigere Untersuchungszeiten

Vorteile im Detail (2/7)

Beschleunigung der Arbeitsabläufe

- ☉ verringert Anzahl an Positionierungsschritten um 34%

↳ ermöglicht höhere Anzahl an Untersuchungen pro Tag

Vorteile im Detail (3/7)

Robuste Methoden für hochqualitative Routinebildgebung

- ☺ Fettsuppression (mDixon, SPIR, SPAIR)
- ☺ Bewegungskorrektur (MultiVane XD)
- ☺ Metallartefaktreduktion (OMAR Sequenzen)

Vorteile im Detail (4/7)

Weniger Zeitaufwand für Pat.-positionierung+
Spuleneinstellung

- ☉ kurze Kabel

- ☉ kleine Anschlüsse (Farbleuchte)

- ☉ kompakte Elektronik

↳ machen Spuleneinrichtung schnell
und einfach

Vorteile im Detail (5/7)

Spulen passen sich der Pat.-anatomie an

- ☾ die anterioren Breeze Spulen sind dünn, leicht und biegsam

- ↳ können schnell und einfach um jeden Pat.-körper gelegt werden

Vorteile im Detail (6/7)

Smart Exam...

- ☉ mit intelligenter Benutzeroberfläche
 - ↳ einfache und schnelle Handhabung
- ☉ mit standardisierter Benutzerführung
 - ↳ sorgt für bessere Effizienz und Reproduzierbarkeit
- ☉ automatisiert viele Untersuchungen
 - ↳ optimiert viele Arbeitsabläufe & steigert die Einheitlichkeit der Untersuchungen

Vorteile im Detail (7/7)

Transport & Installationskosten

- ☉ passt problemlos durch herkömmliche Flure und Türen
- ☉ passt in Räume mit herkömmlicher Deckenhöhe
↳ durch kompaktes Design

Erfahrungswerte / Optimierung

Kopf-Hals Spule

- ☹ unbequem für einige Patienten

WS-Spule

- ☹ wird relativ schnell warm

↳ einige Patienten empfinden das als unangenehm

Platzangst

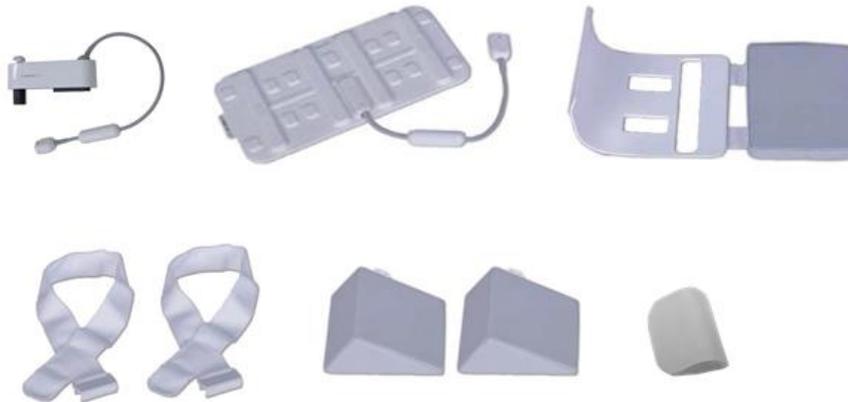
- ☹ Gerät erscheint durch seine Kompaktheit kleiner

↳ Patienten haben gelegentlich Angst, sich ins Gerät zu legen

Spulentechnik und Bildbeispiele

Shoulder

Coil & Accessory



Mattress Setting



Shoulder

Coil Setting

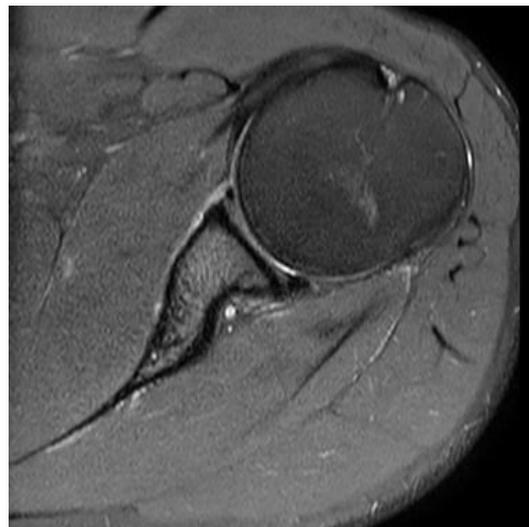
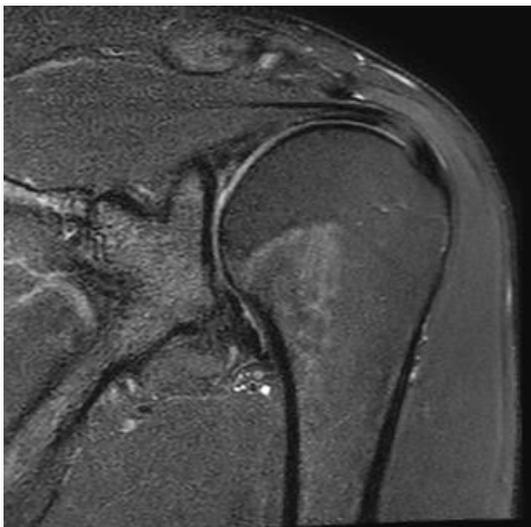


Shoulder

Positioning



Schulter



Elbow

Coil & Accessory



Mattress Setting



Elbow

Coil Setting



Elbow

Positioning



Elbow (superman)

Coil & Accessory



Mattress Setting

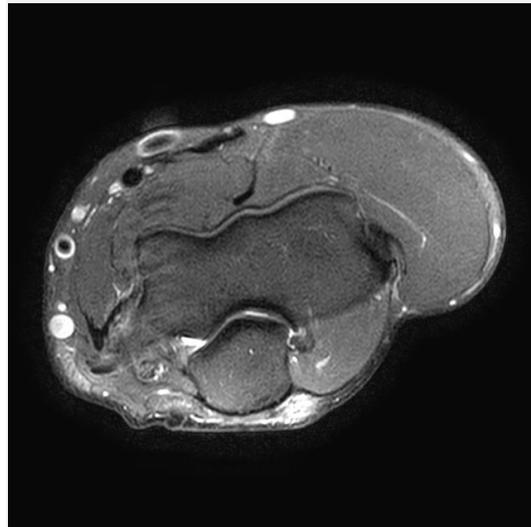


Elbow (superman)

Positioning



Elbow



Wrist

Coil & Accessory



Mattress Setting



Wrist

Coil Setting



Wrist

Positioning



Wrist (superman)

Coil & Accessory



Mattress Setting

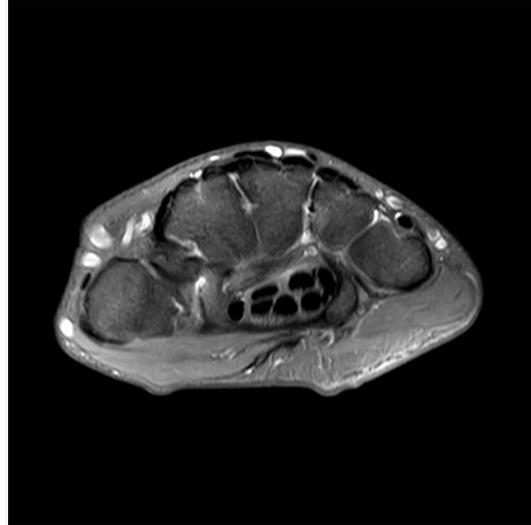


Wrist (superman)

Positioning



Wrist



Knee

Coil & Accessory

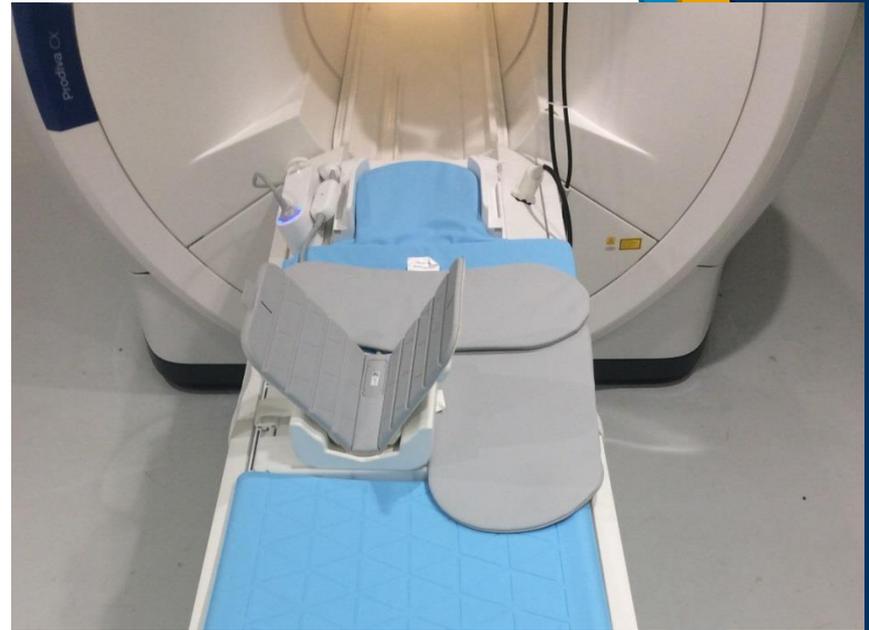
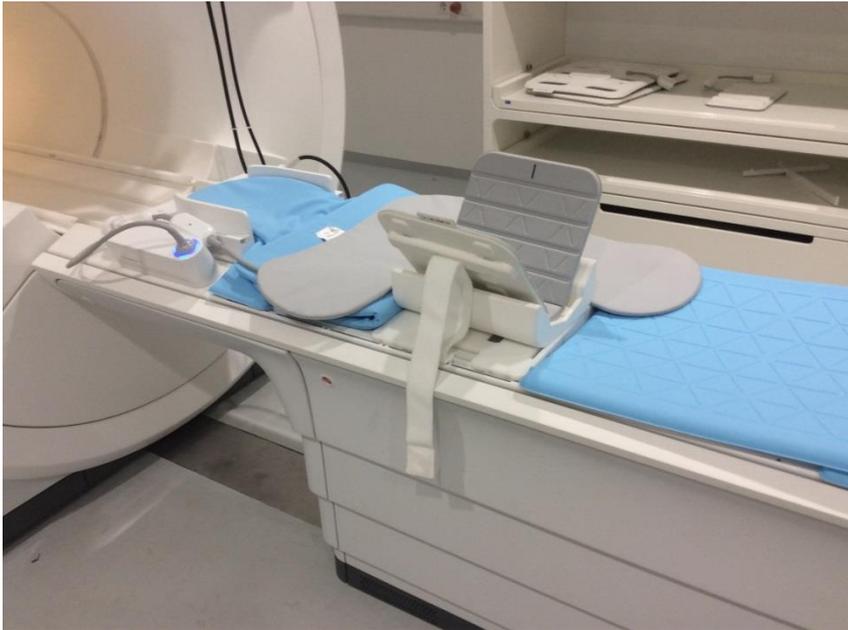


Mattress Setting



Knee

Coil Setting

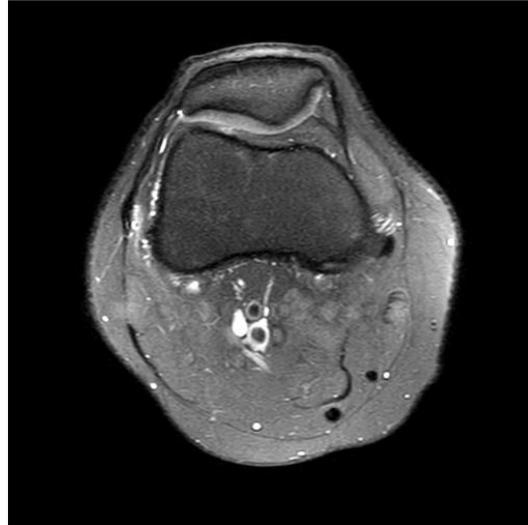


Knee

Positioning



Knee



Ankle

Coil & Accessory



Mattress Setting



Ankle

Coil Setting



Ankle

Positioning



Ankle



Foot

Coil & Accessory



Mattress Setting



Foot

Coil Setting

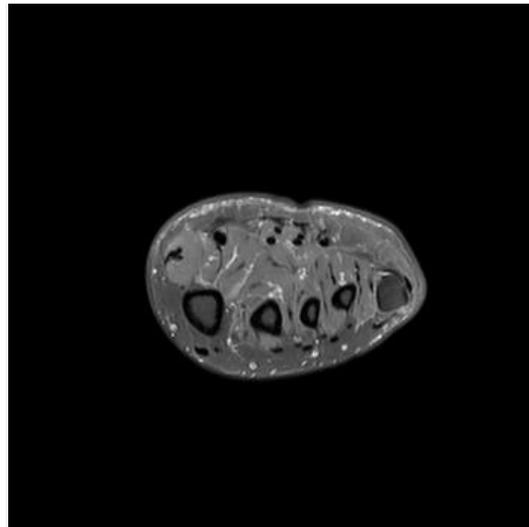


Foot

Positioning



Foot



Brain

Coil & Accessory



Mattress Setting



Brain

Positioning

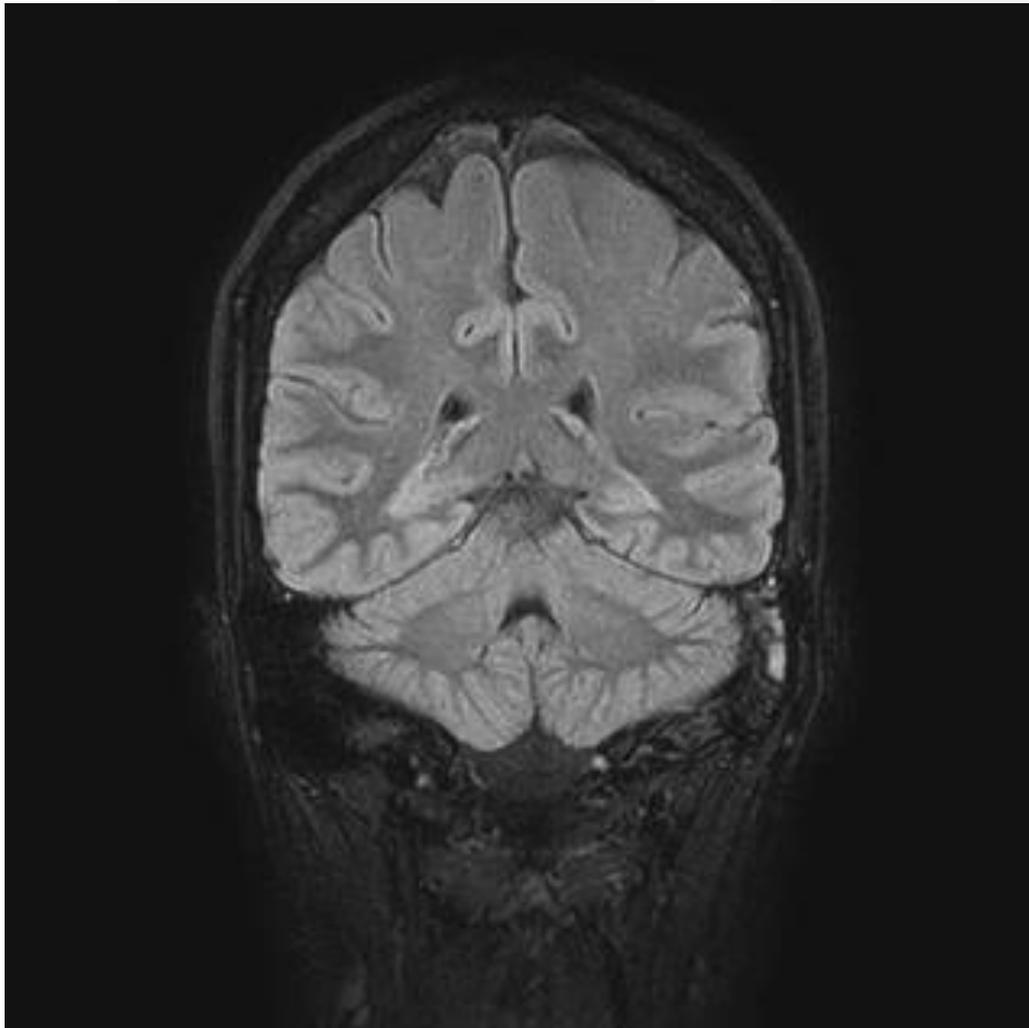


Brain

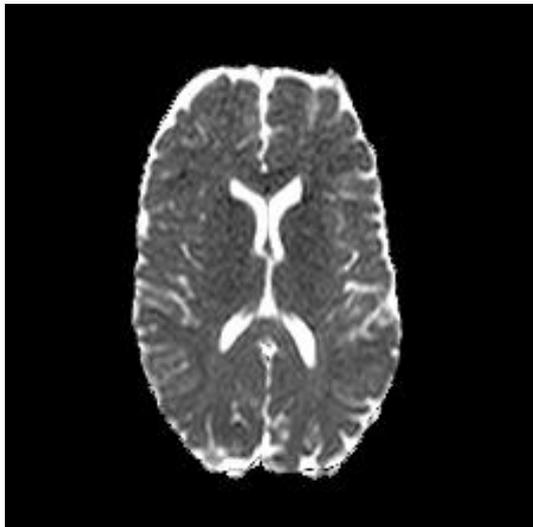
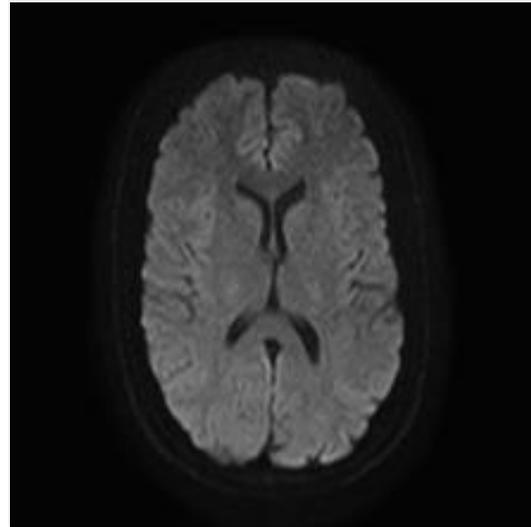
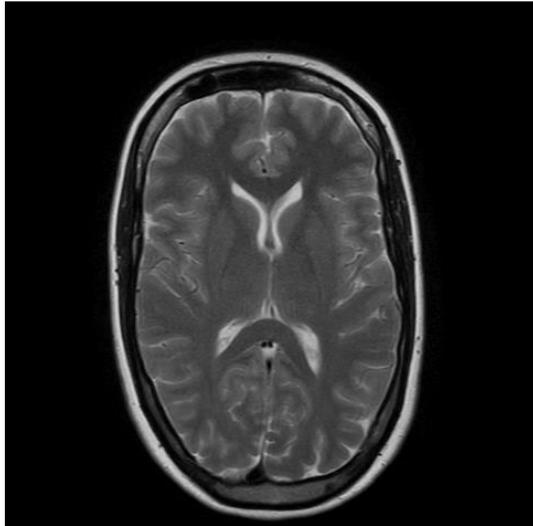
Positioning



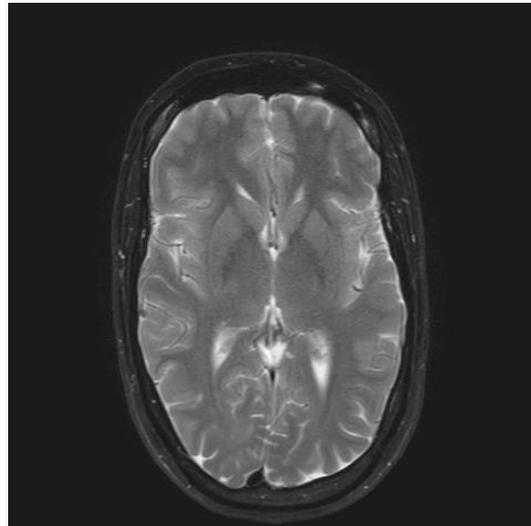
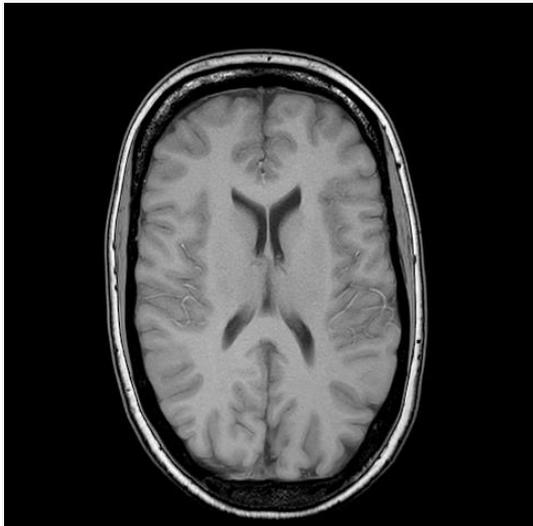
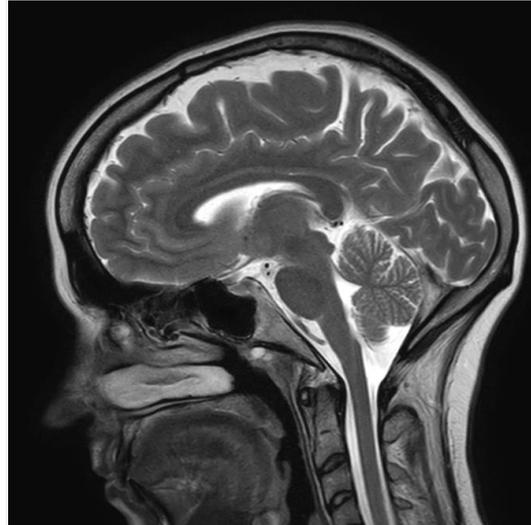
MRT Brain



Brain (1)



Brain (2)



Neck, Brachial Plexus

Positioning

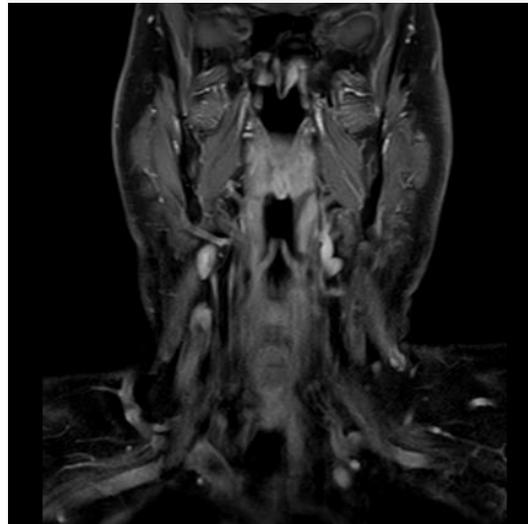
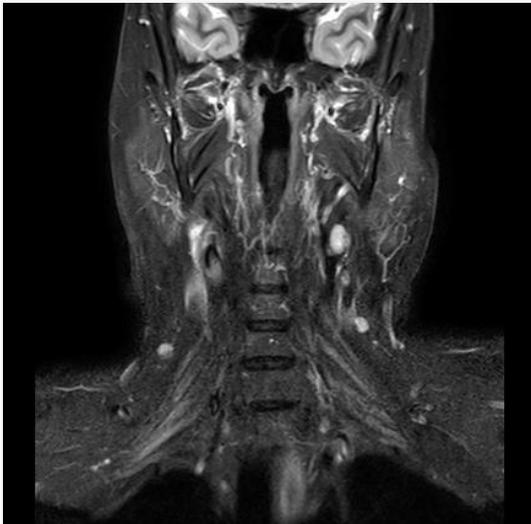
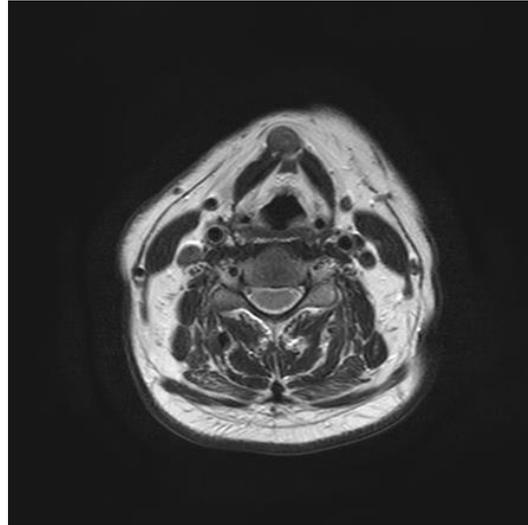


Neck, Brachial Plexus

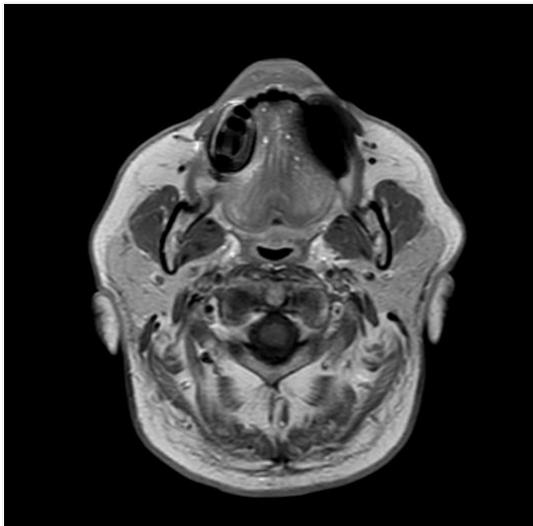
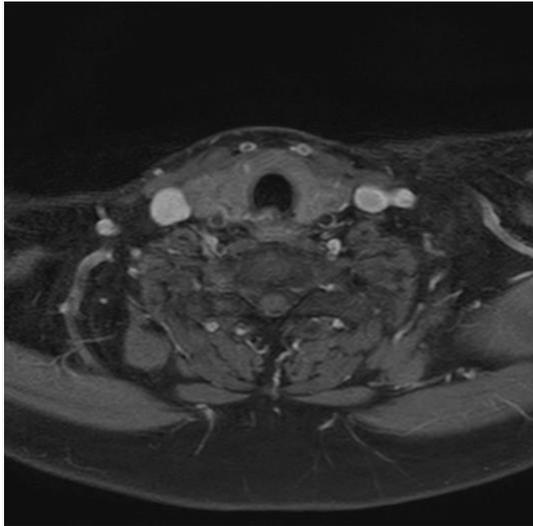
Positioning



Neck (1)



Neck (2)



C-spine

Coil & Accessory



Mattress Setting

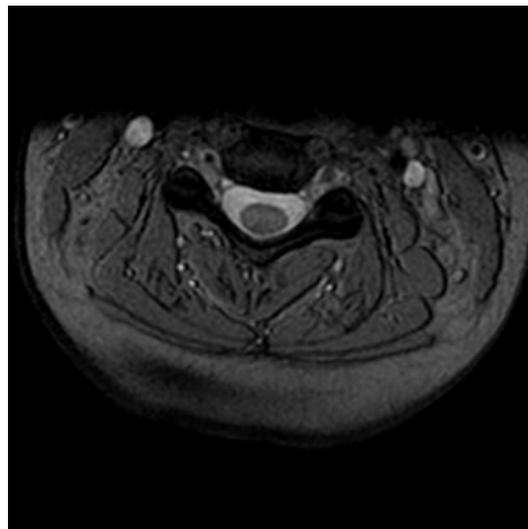
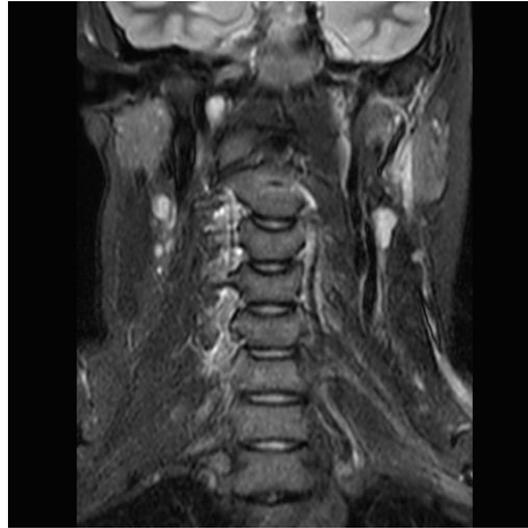


C-spine

Positioning



C-spine



T-spine, L-spine

Coil & Accessory



Mattress Setting

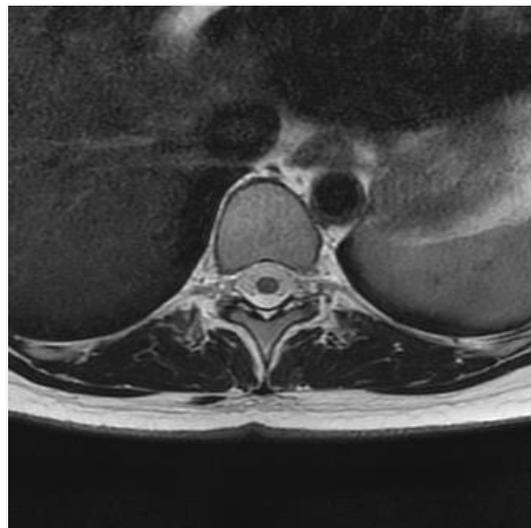
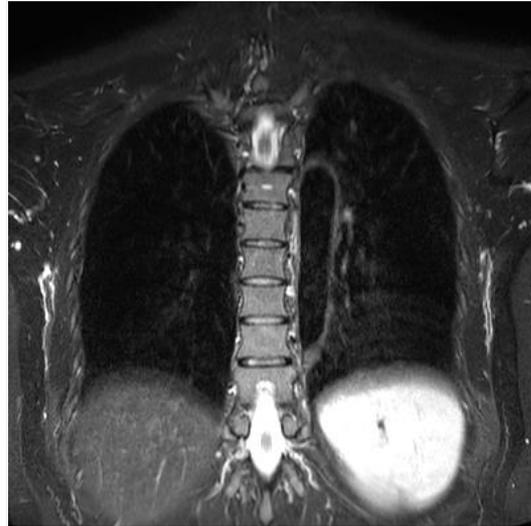


T-spine, L-spine

Positioning



T-spine



L-spine



Thorax

Coil & Accessory



Mattress Setting



Thorax

Positioning

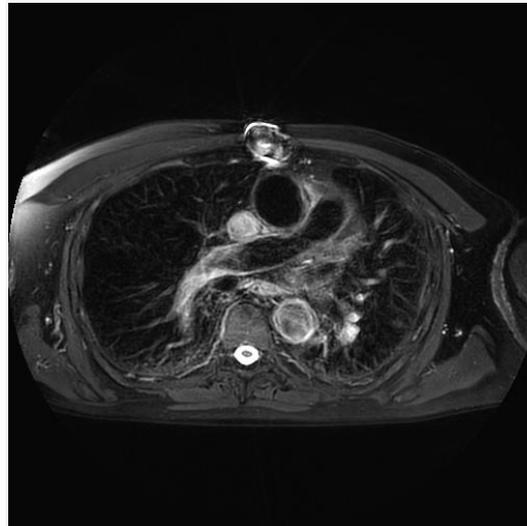
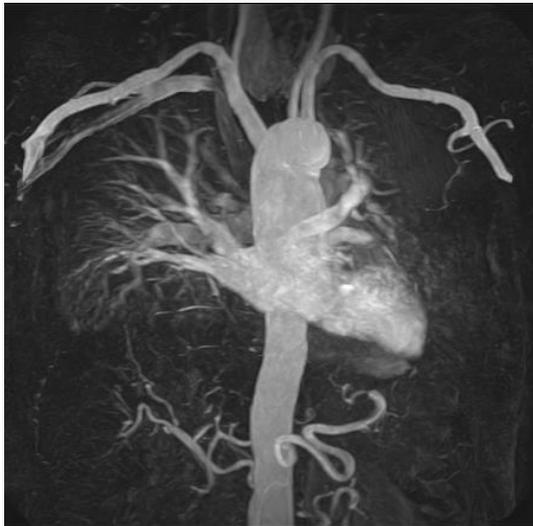


Thorax

Positioning



Aortenangio



Breast

Coil & Accessory



Mattress Setting



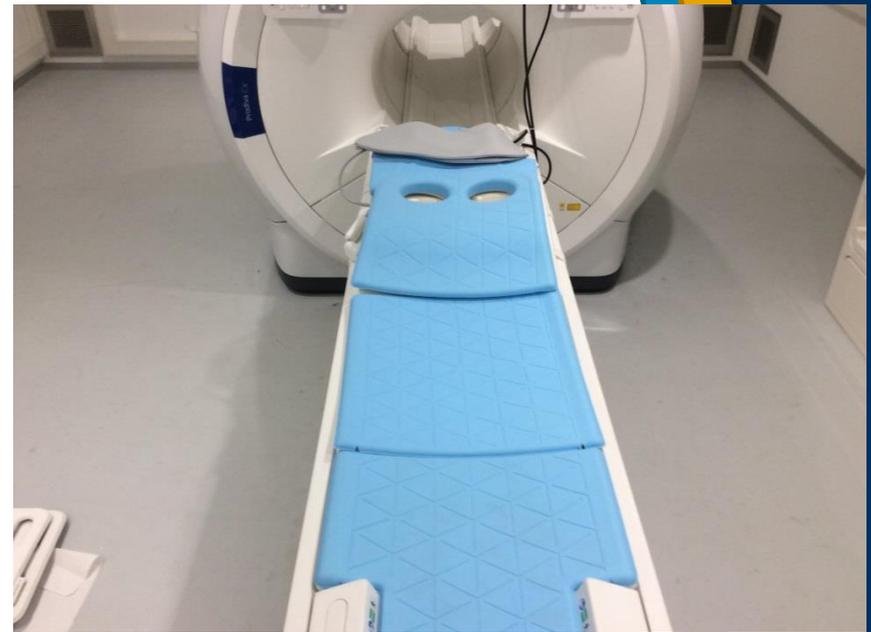
Breast

Coil Setting



Breast

Coil Setting



Breast

Positioning



Liver

Coil & Accessory



Mattress Setting

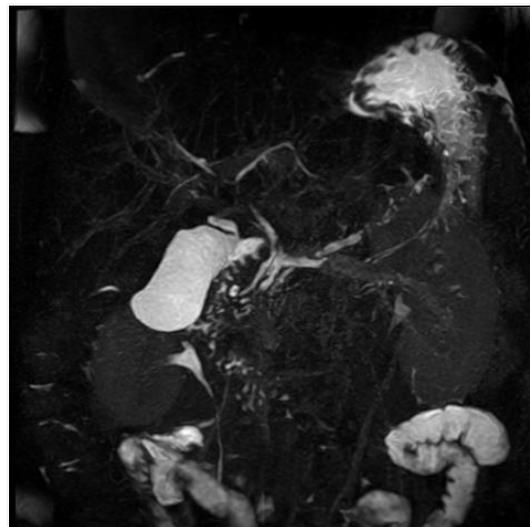
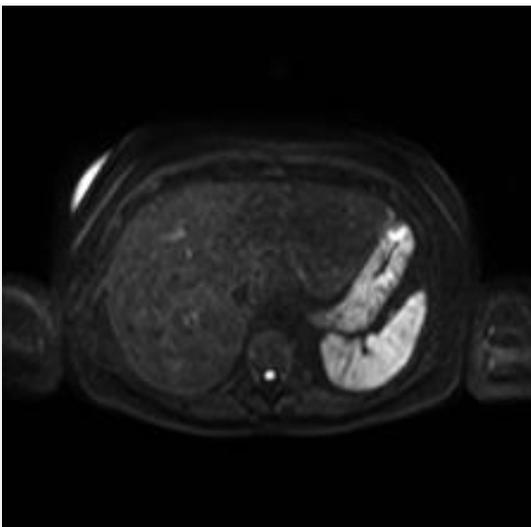
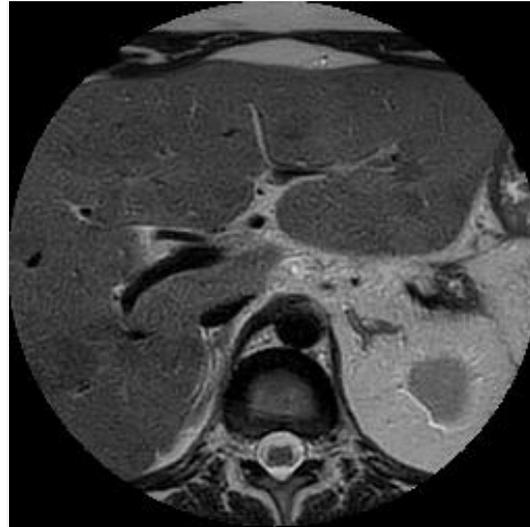
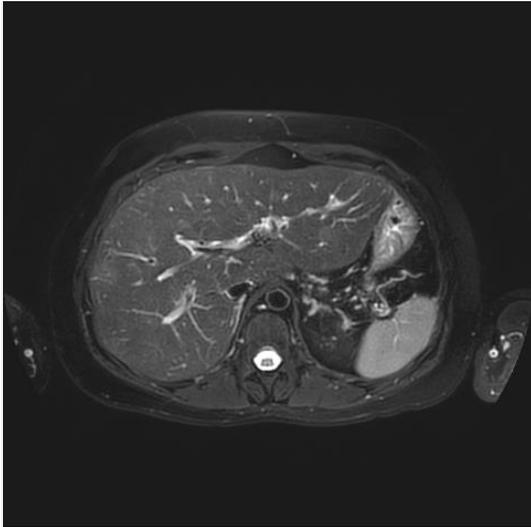


Liver

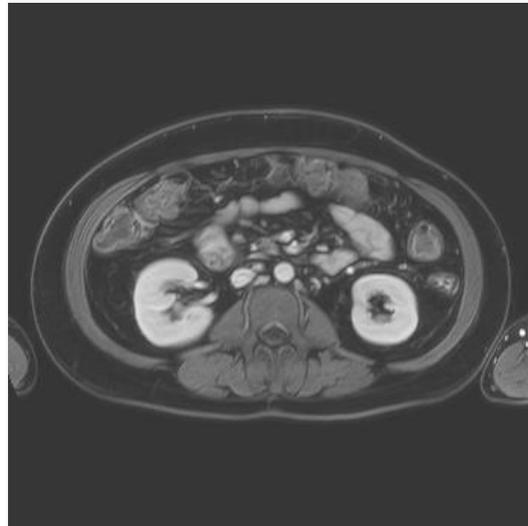
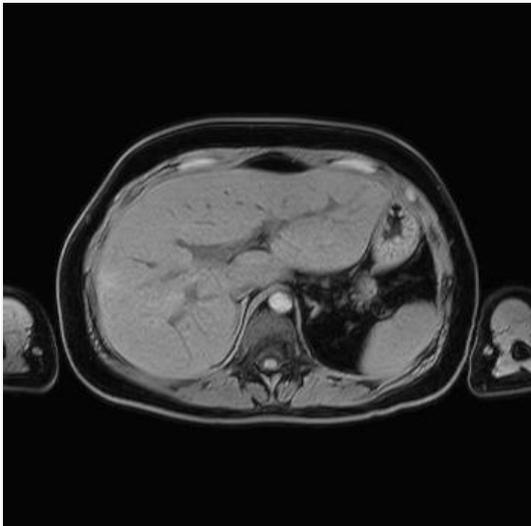
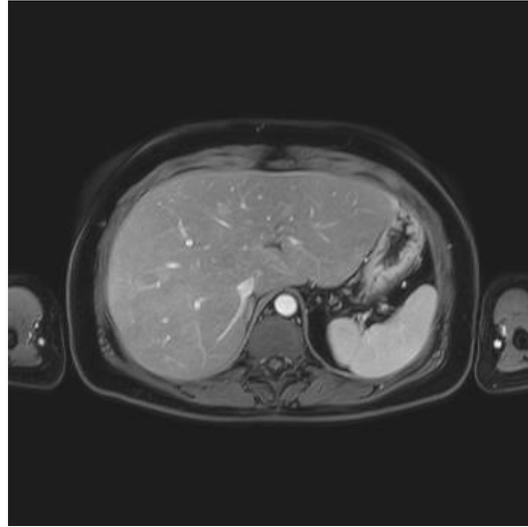
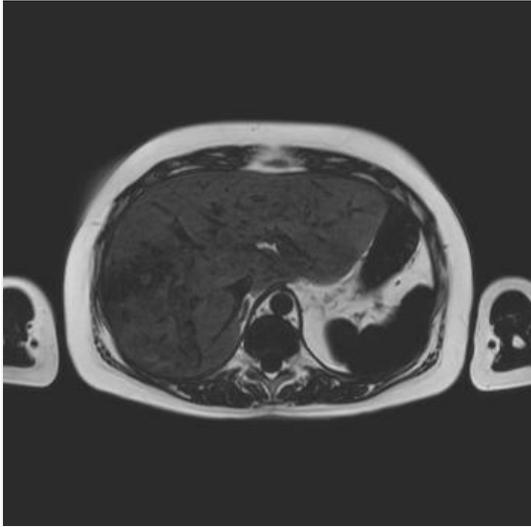
Positioning



Abdomen (1)



Abdomen (2)



Pelvis

Coil & Accessory



Mattress Setting

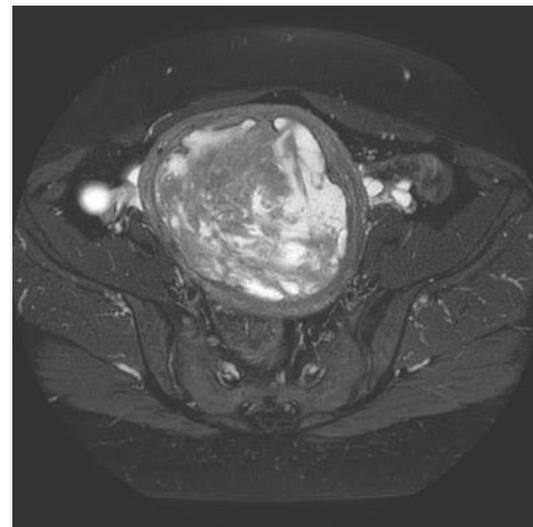
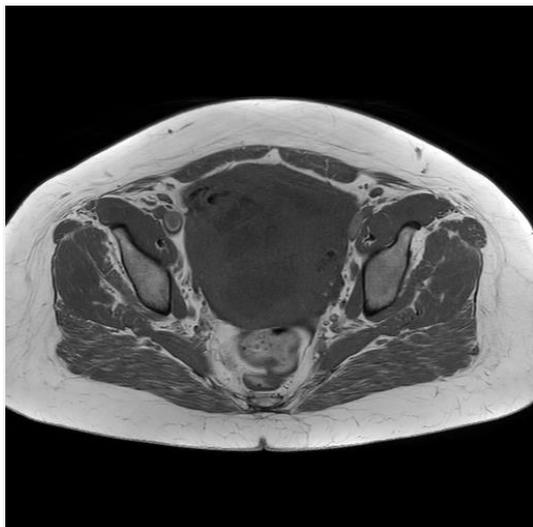
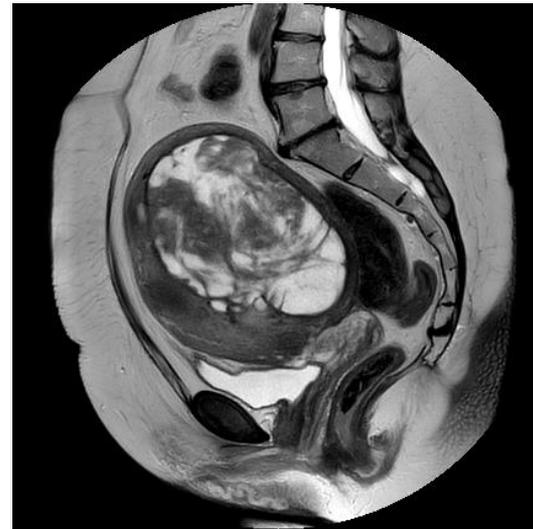
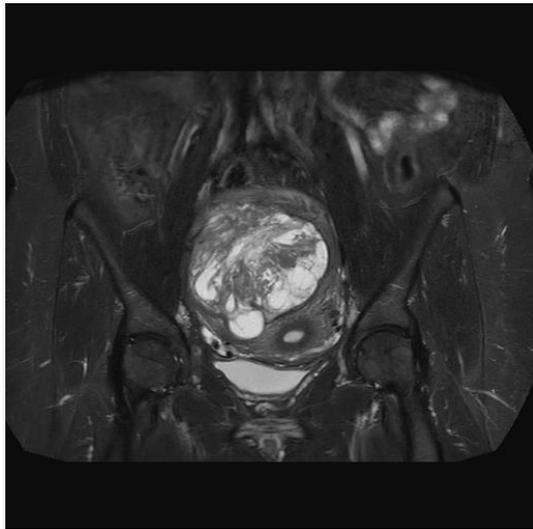


Pelvis

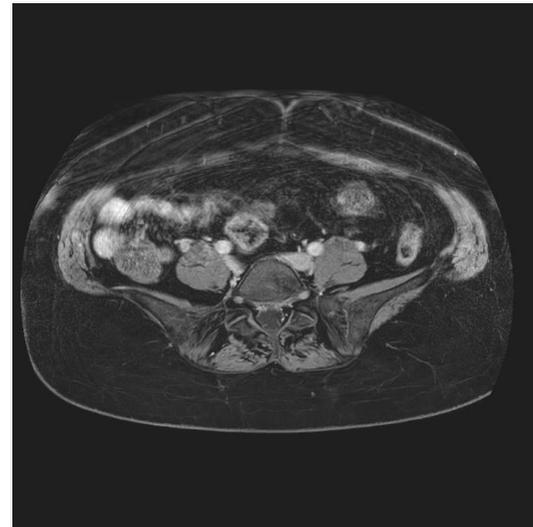
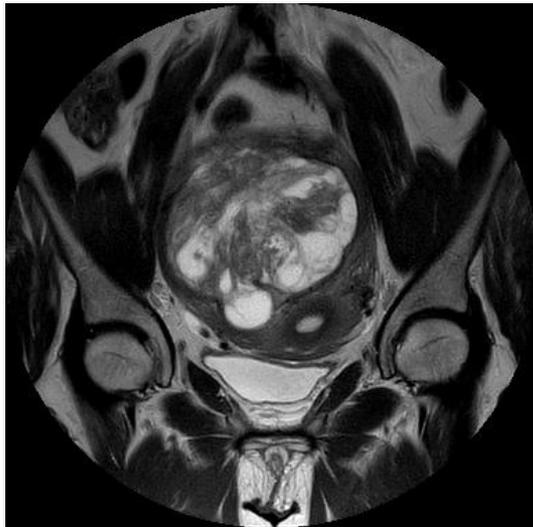
Positioning



Pelvis (1)



Pelvis (2)



Liver-Pelvis

Coil & Accessory



Mattress Setting



Liver-Pelvis

Positioning



Whole Body

Coil & Accessory



Mattress Setting



Whole Body

Positioning



Long Bone

Coil & Accessory

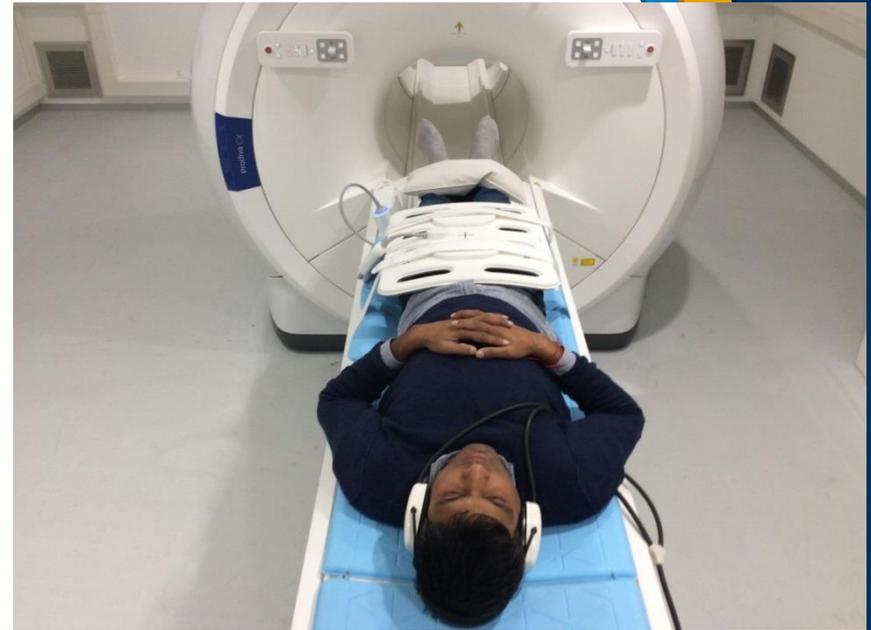


Mattress Setting



Long Bone

Positioning



Lower Leg MRA

Coil & Accessory



Mattress Setting



Lower Leg MRA

Positioning



Vielen Dank für ihre Aufmerksamkeit

