教育セミナー(診断編)

第19回日本乳癌学会中部地方会



筆頭演者の利益相反状態の開示

すべての項目に該当なし

出題内容

Q1. 検診MG 所見・推定疾患・カテゴリー

Q2. トモシンセシス 腫瘤なのかFADなのか、病変はどの範囲まであると思うか

Q3. US(精査) 所見・推定疾患・浸潤の有無・カテゴリー

Q4. MRI ご施設ではどんなシリーズをどんな手順で見ているか

症例 70代後半 女性

主訴: MG・US併用検診で要精検

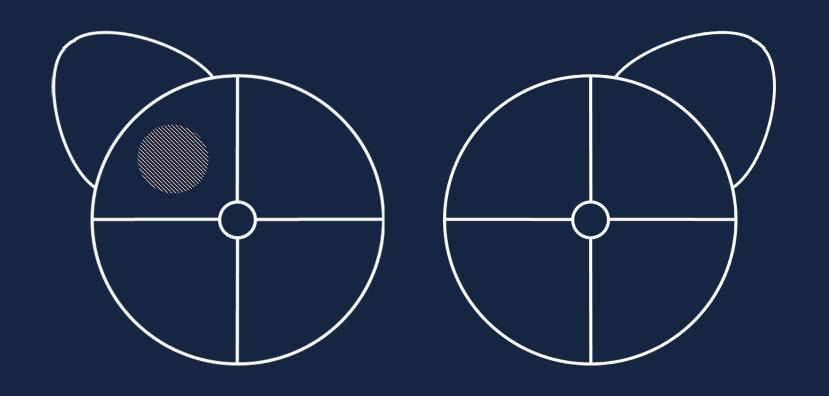
既往歴: 心肥大、高血圧

家族歴: 妹が乳癌(他病死)、卵巣癌なし

検診歴: 6年前 MG 異常なし

8年前 MG 異常なし

9年前 US 精査不要(右Aに小嚢胞)



視触診: 右Cに硬結を認める。(但し無自覚)

出題内容

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Q2. トモシンセシス 腫瘤なのかFADなのか、病変はどの範囲まであると思うか

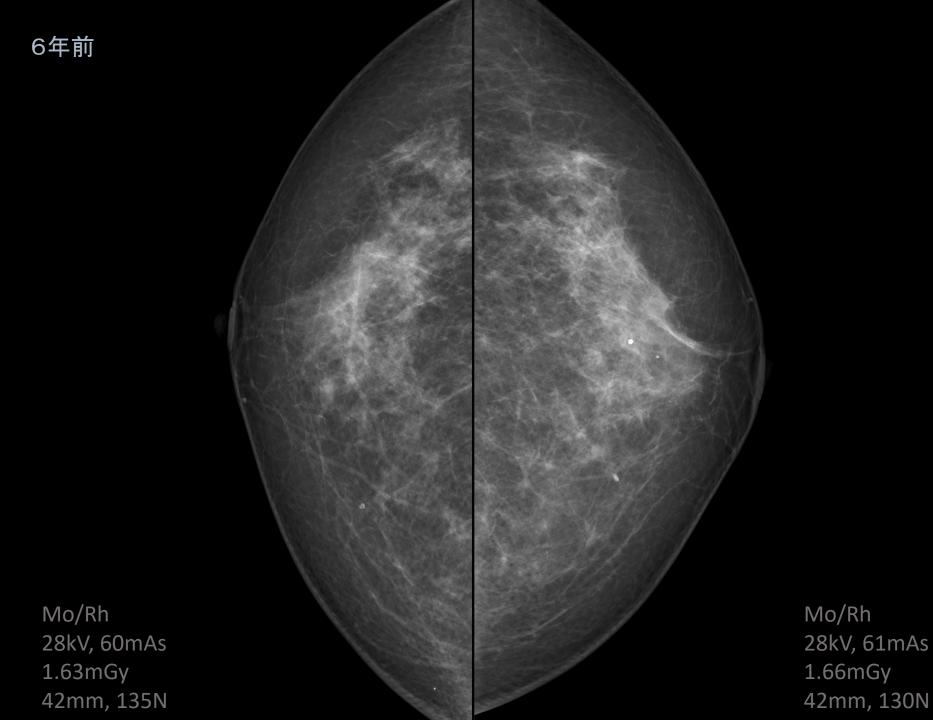
Q3. US(精査) 所見・推定疾患・浸潤の有無・カテゴリー

Q4. MRI ご施設ではどんなシリーズをどんな手順で見ているか



今回 Mo/Mo 27kV, 39mAs 1.54mGy 23mm, 120N

Mo/Mo 26kV, 44mAs 1.60mGy 20mm, 120N



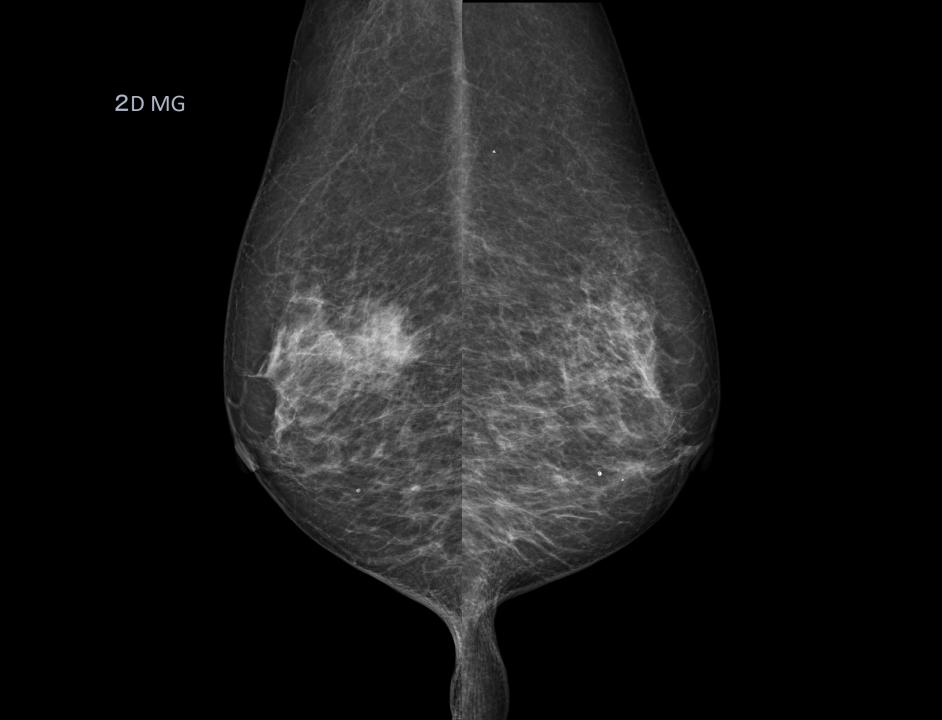
出題内容

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トモシンセシス

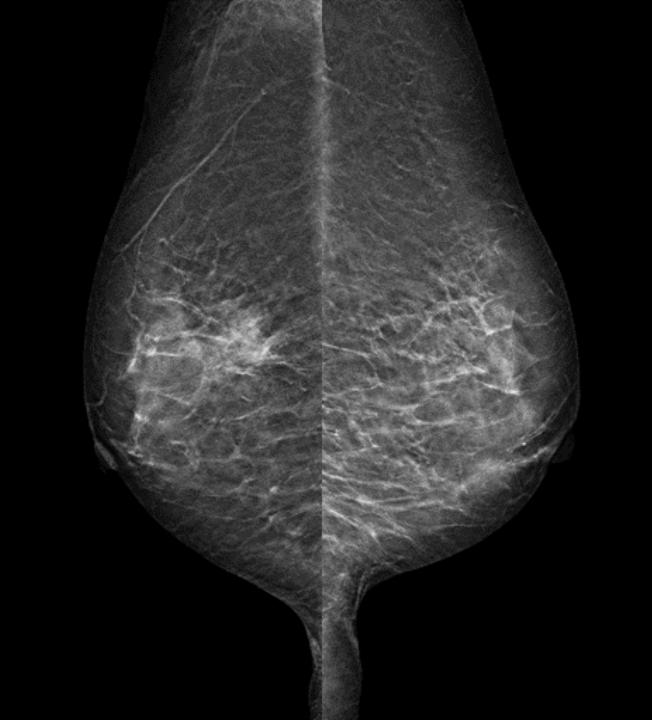


MLOは外側 \rightarrow 内側、CCは尾側 \rightarrow 頭側の順に抜粋したスライスを表示



 $\mathsf{R}\mathsf{MLo}\langle$





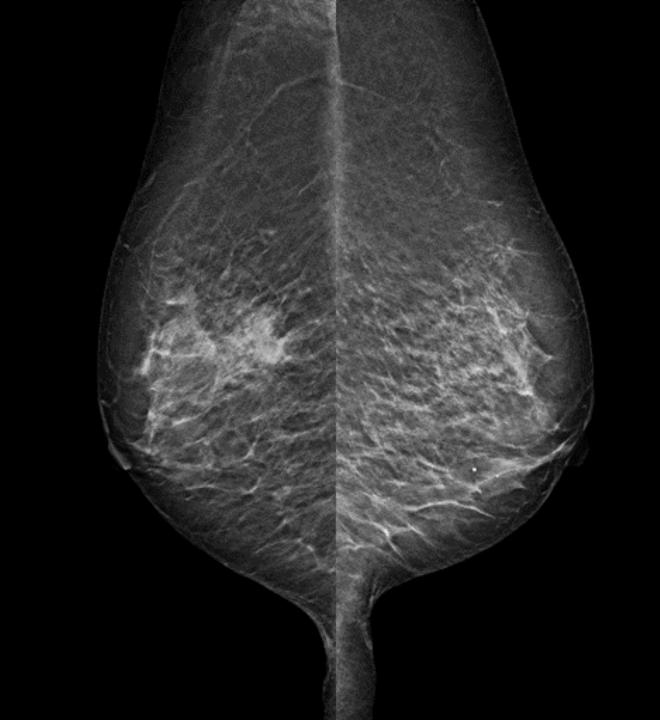
RMLO \langle





 $\mathsf{R}\mathsf{MLo}ig\langle$



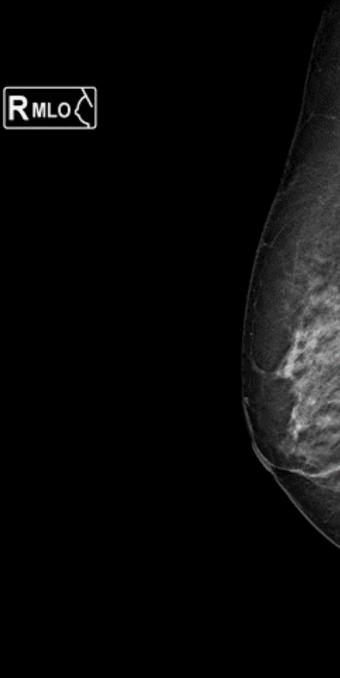


 R MLO \Diamond



















RMLO \langle







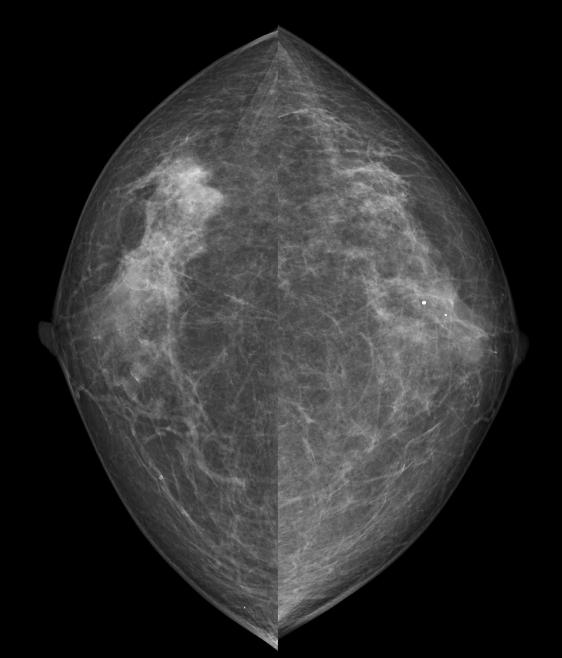






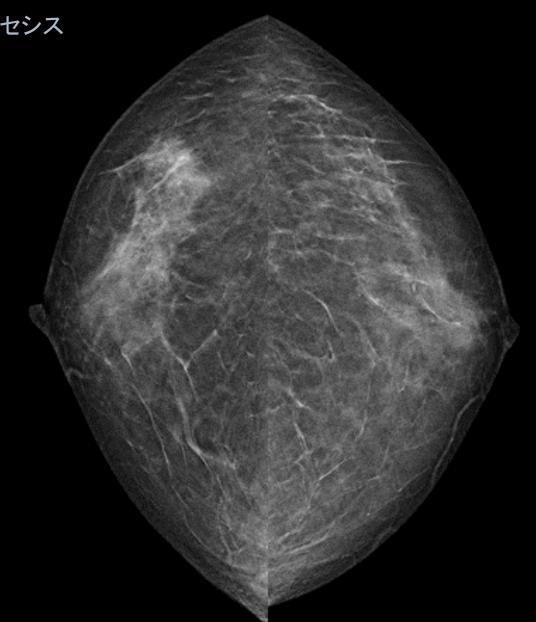
2D MG



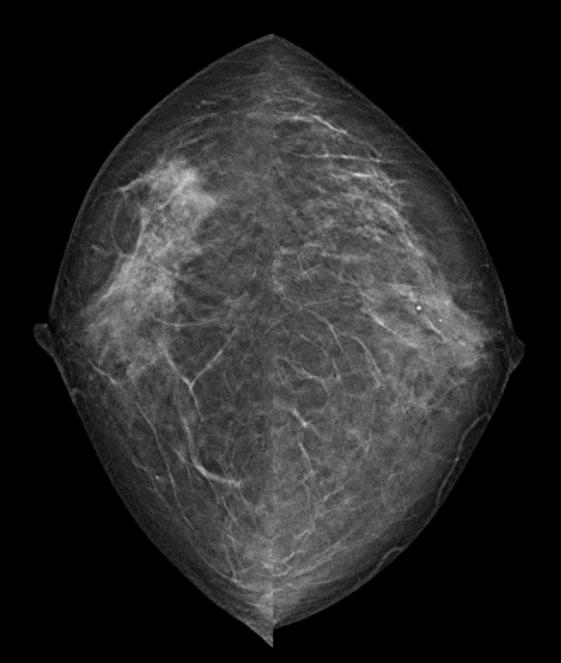


トモシンセシス



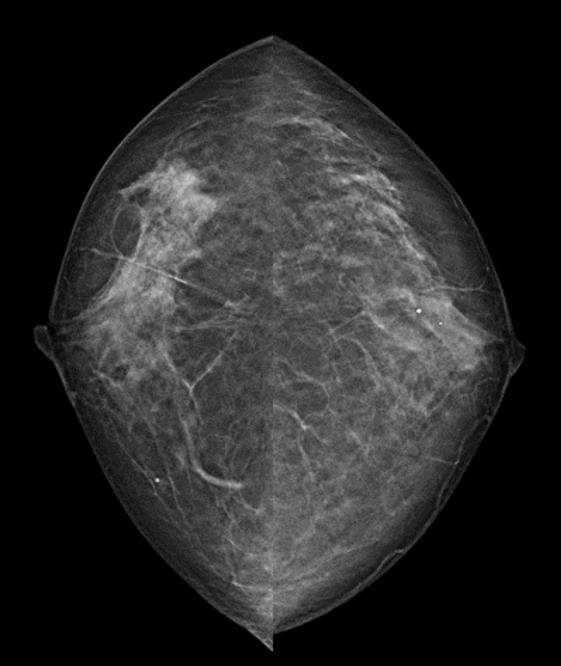




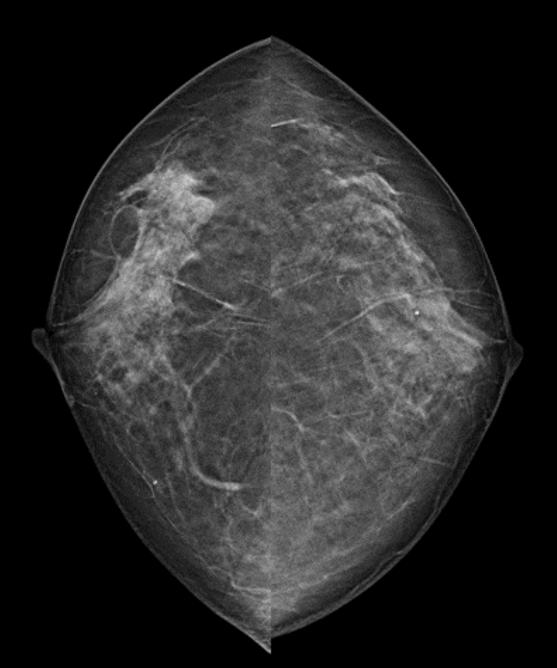




R cc <

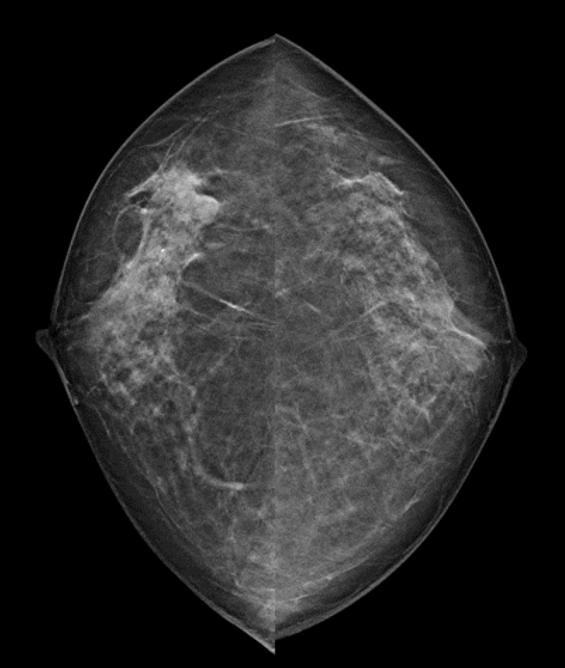




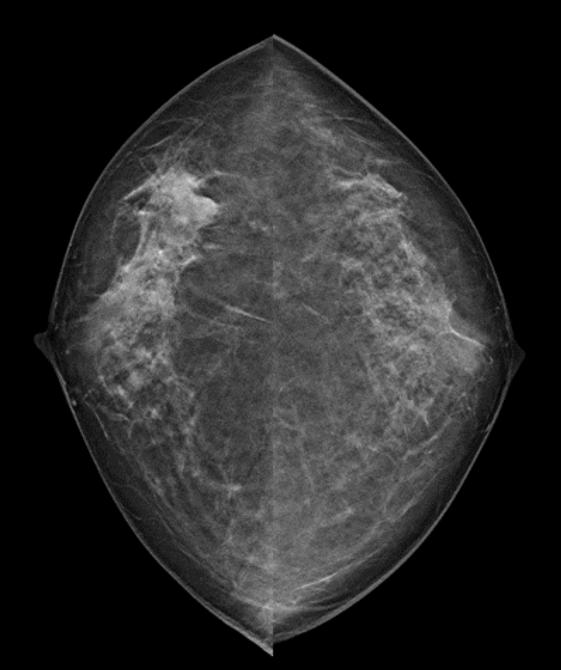




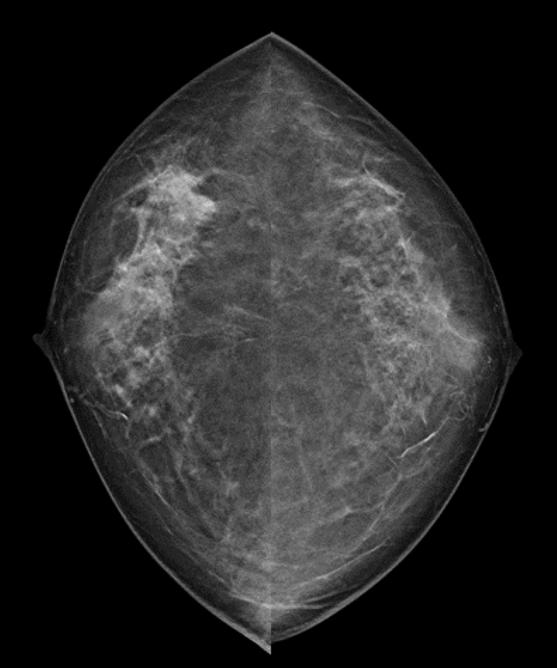






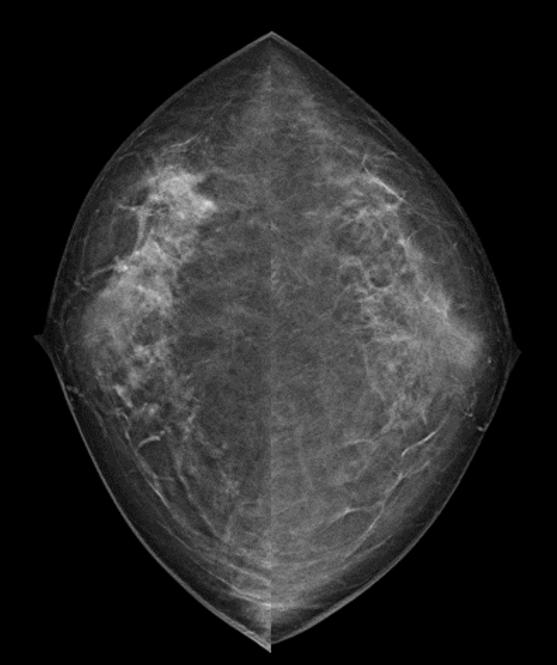




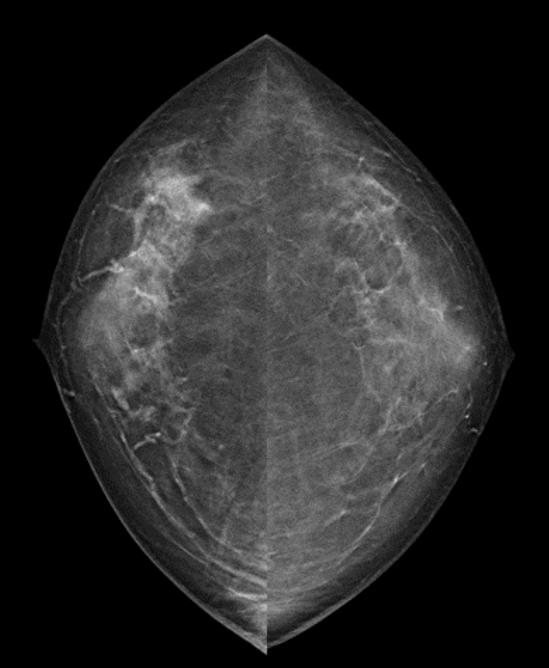




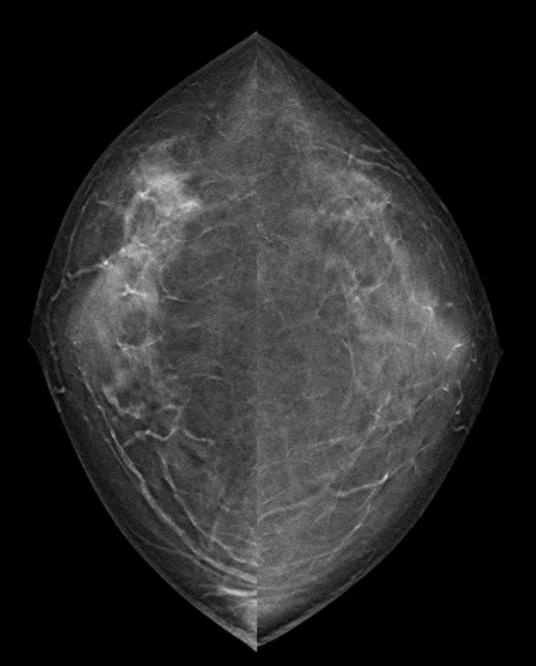
R cc <





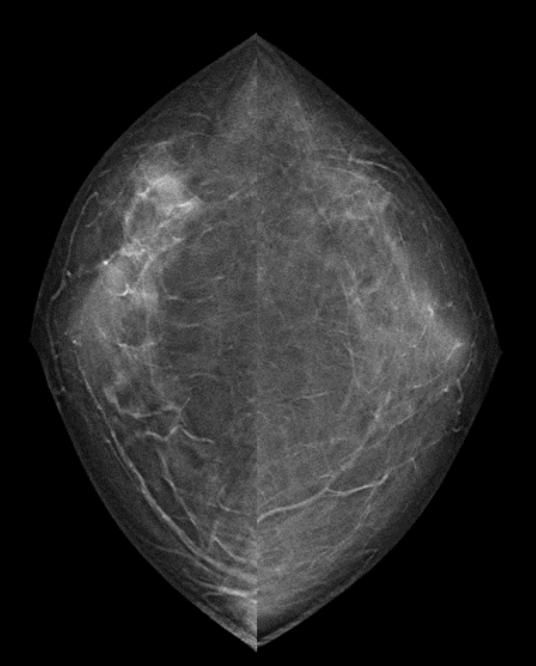








R cc <





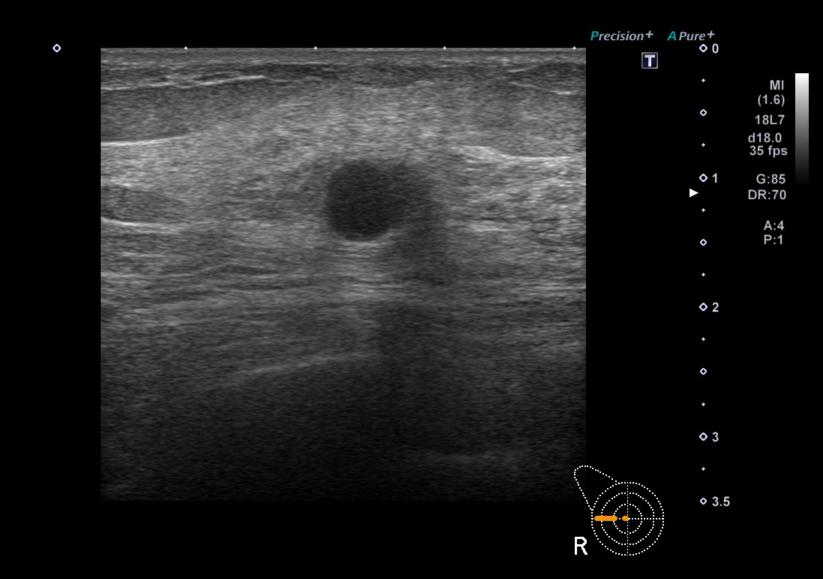
出題内容

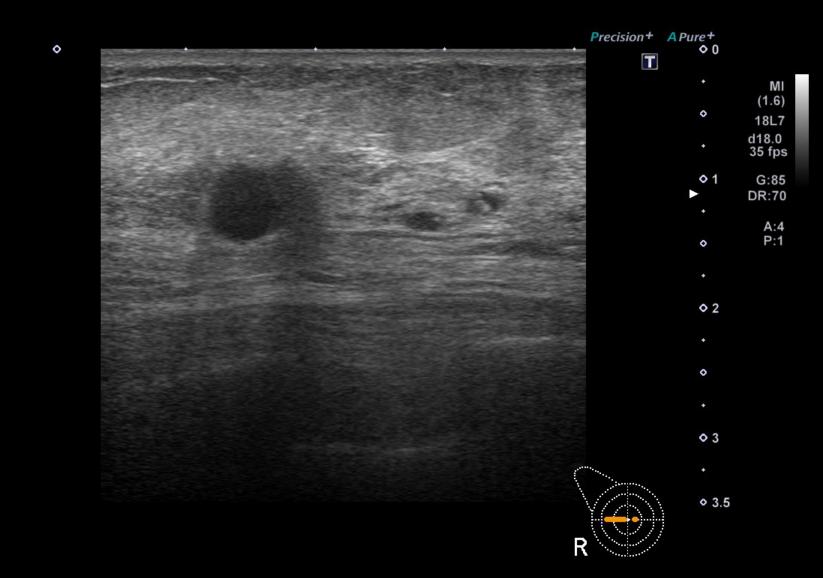
Q1. 検診MG 所見・推定疾患・カテゴリー

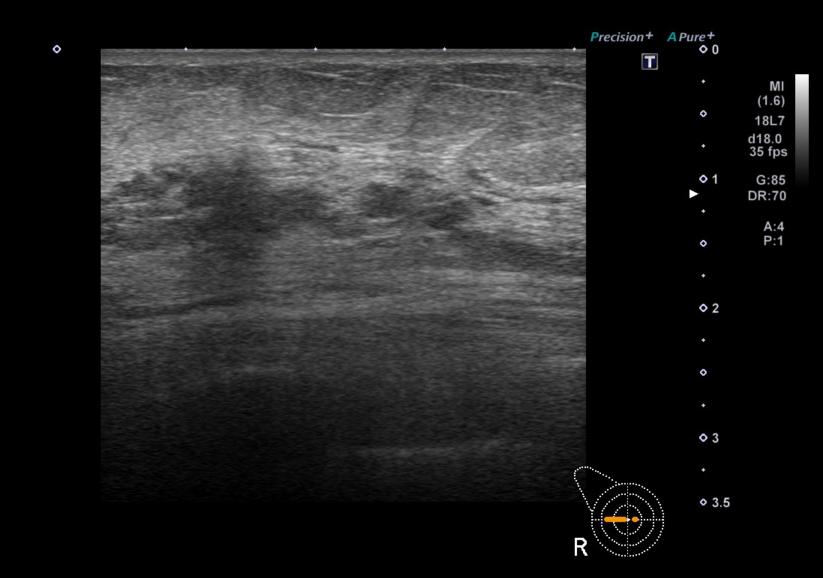
Q2. トモシンセシス 腫瘤なのかFADなのか、病変はどの範囲まであると思うか

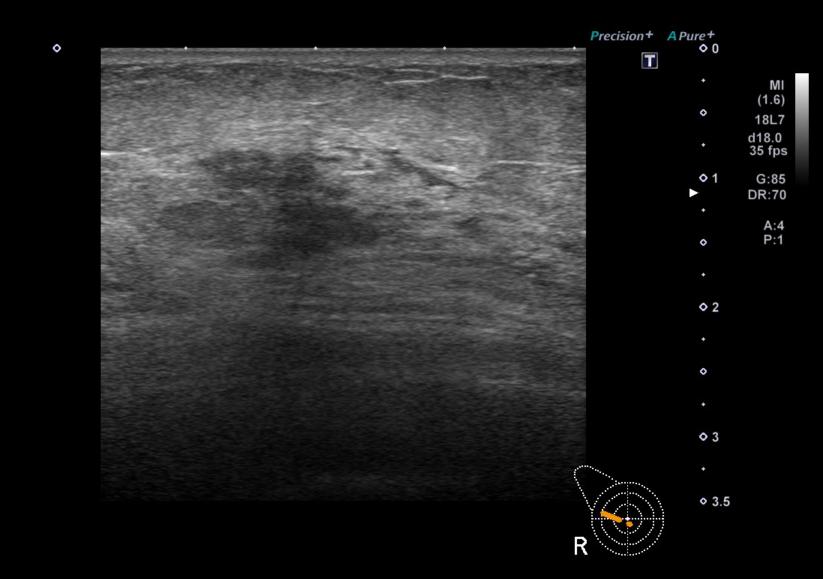
Q3. US(精査) 所見・推定疾患・<u>浸潤の有無</u>・カテゴリー

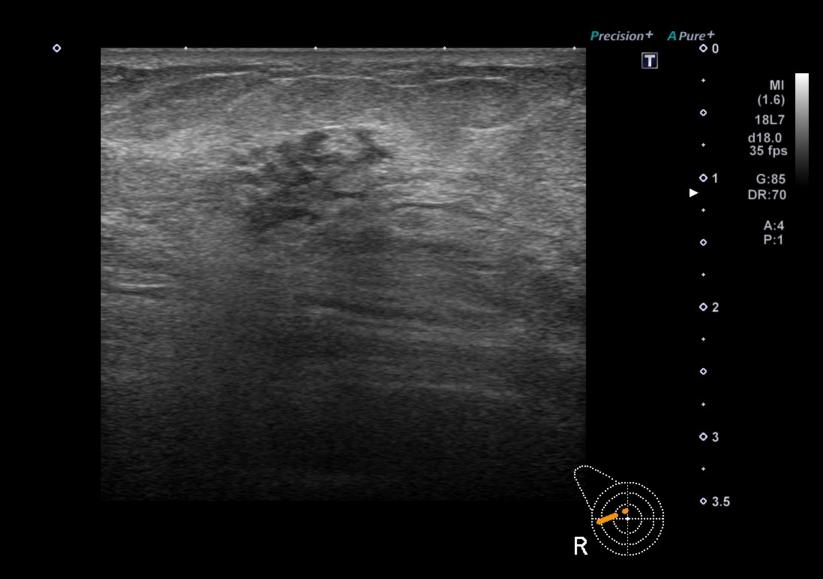
Q4. MRI ご施設ではどんなシリーズをどんな手順で見ているか



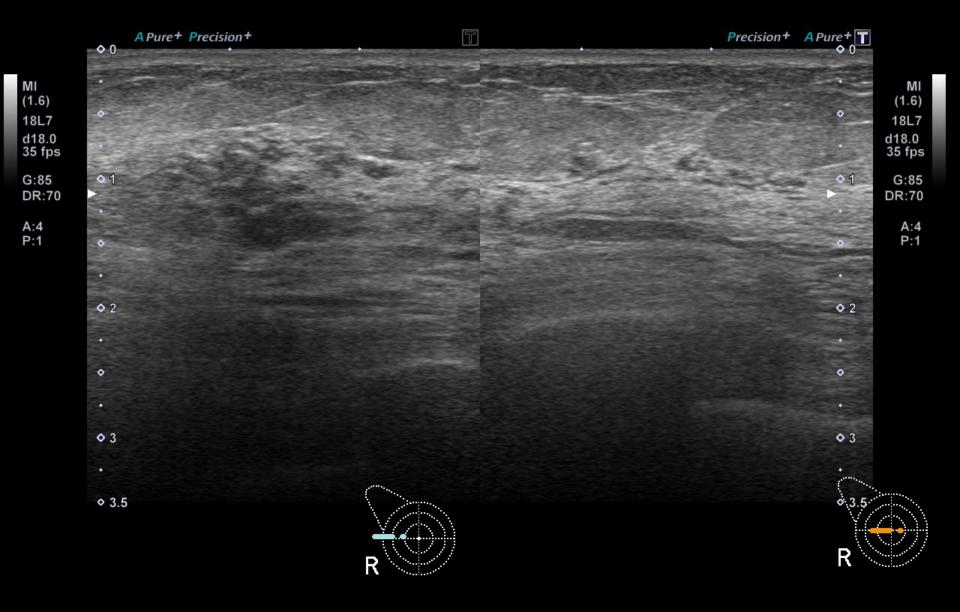




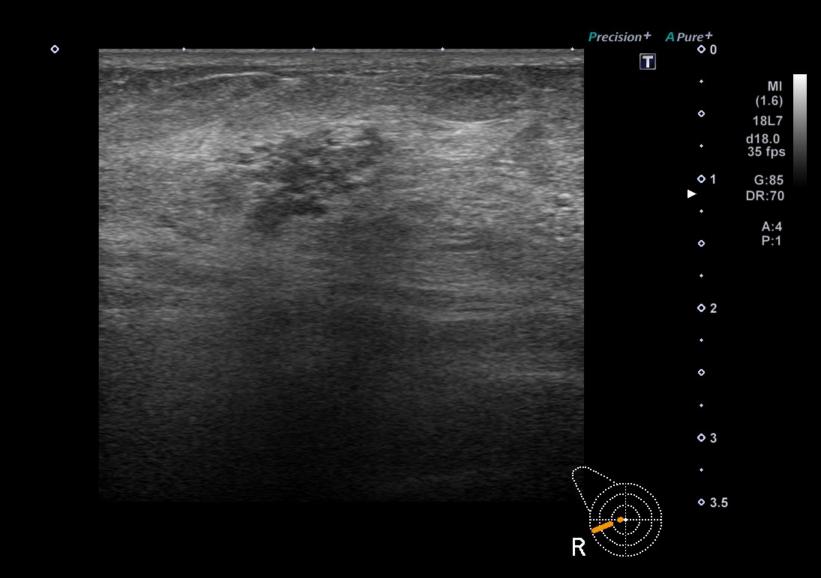


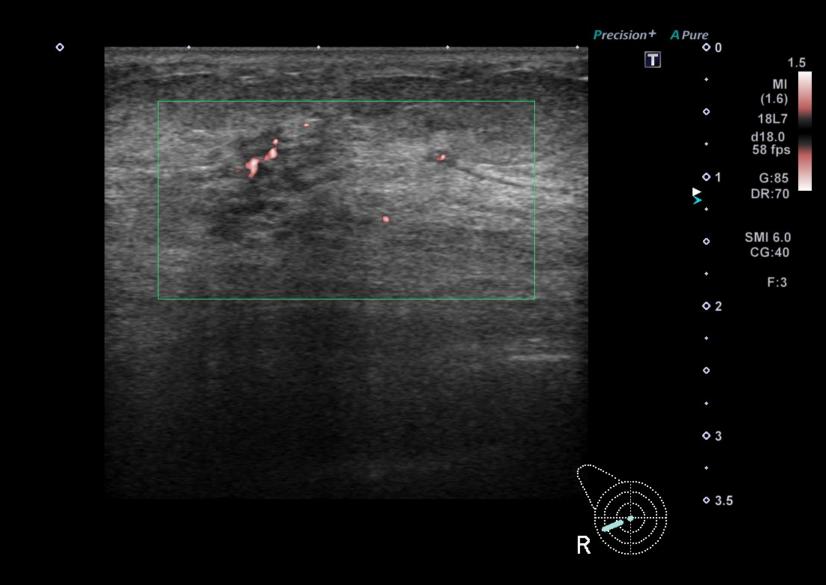




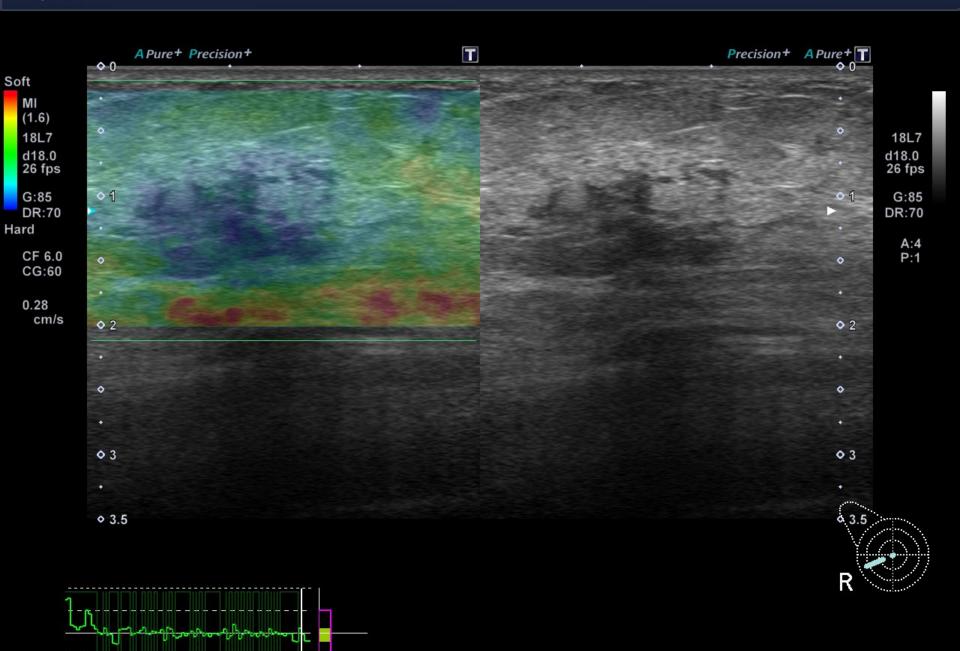


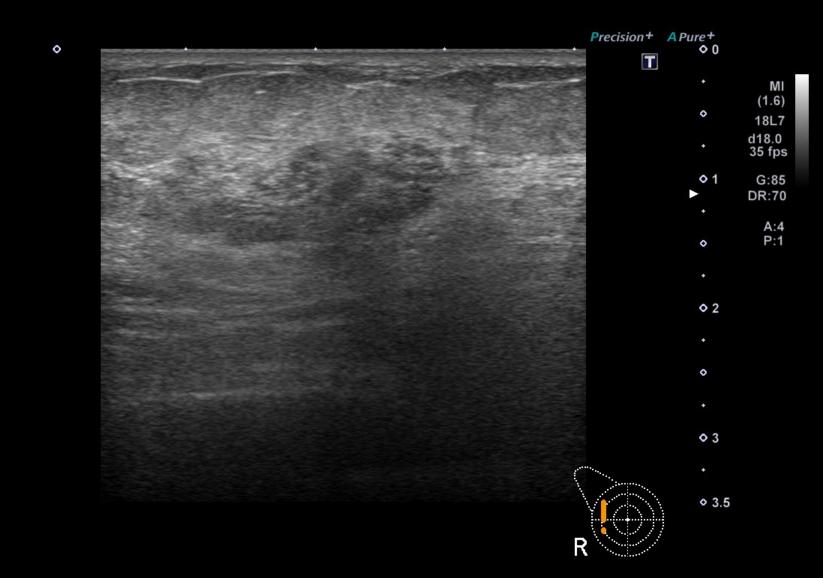
187

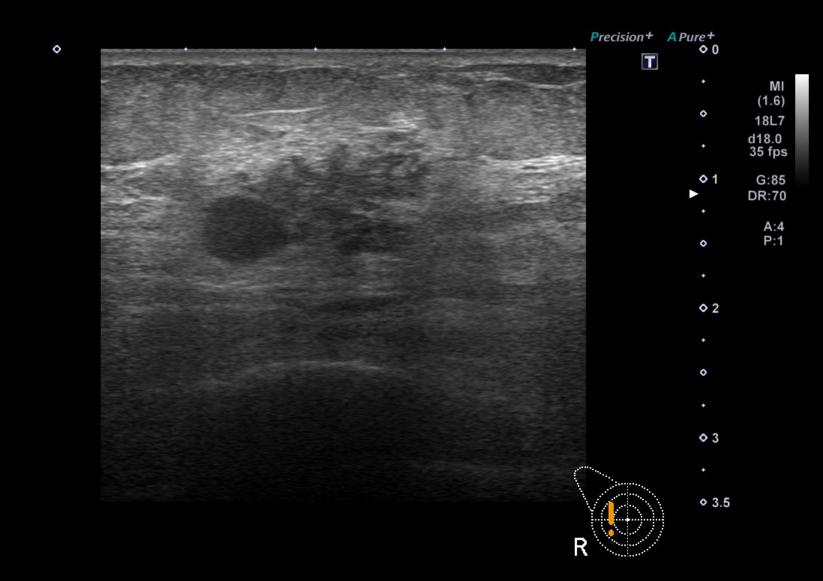


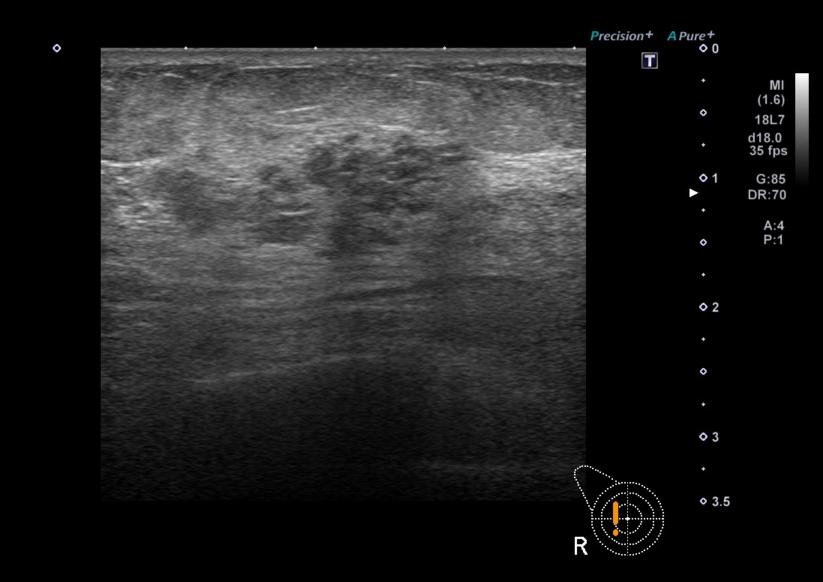


190

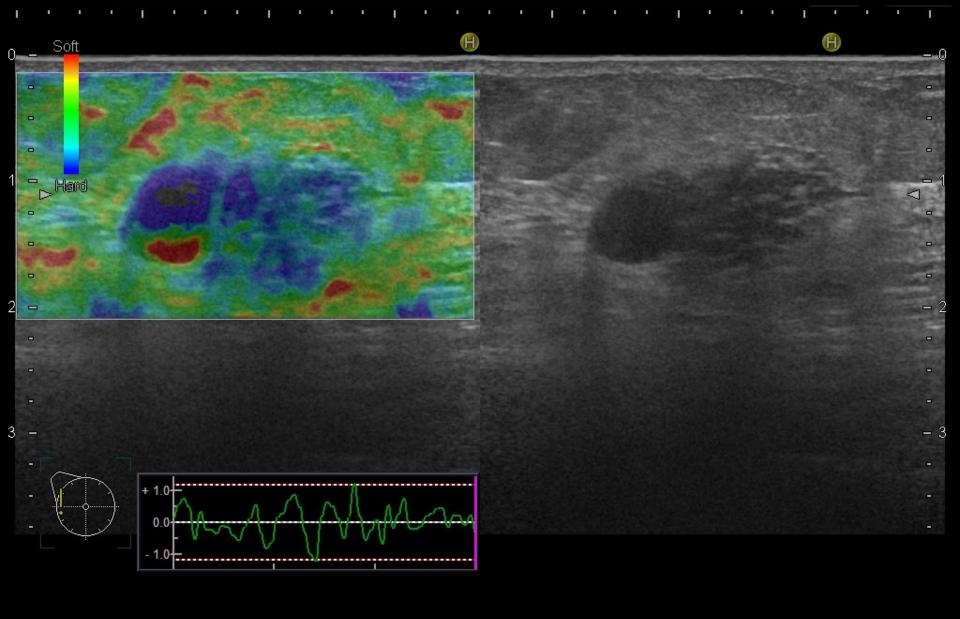








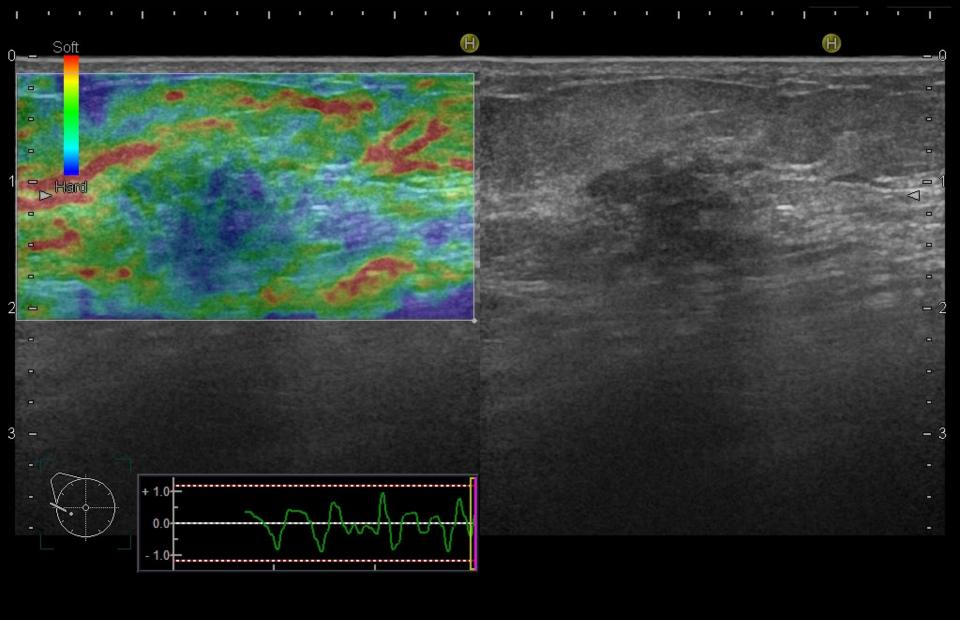
HITACHI



FR:18 L75 BG:19 DR:75 F.Rej:5 N.Rej:3 FR:18 18MHz BL.:26% L75

BG:19 DR:75 18MHz

HITACHI



FR:18 L75

BG:19 DR:75 F.Rej:5 N.Rej:3 FR:18 18MHz BL::26% L75

BG:19 DR:75 18MHz

出題内容

Q1. 検診MG 所見・推定疾患・カテゴリー

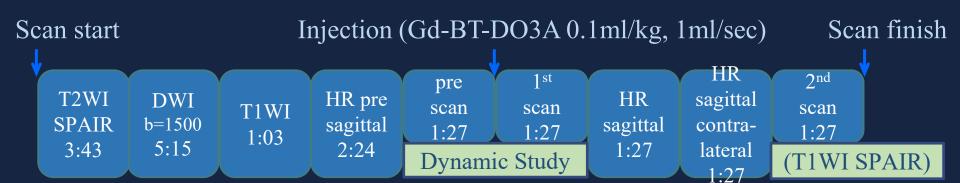
Q2. トモシンセシス 腫瘤なのかFADなのか、病変はどの範囲まであると思うか

Q3. US(精査) 所見・推定疾患・浸潤の有無・カテゴリー

Q4. MRI ご施設ではどんなシリーズをどんな手順で見ているか (自施設の撮影プロトコルを理解するだけでもよい) MRI 撮影装置: <u>? • • (1.5または3T)</u>

(例)

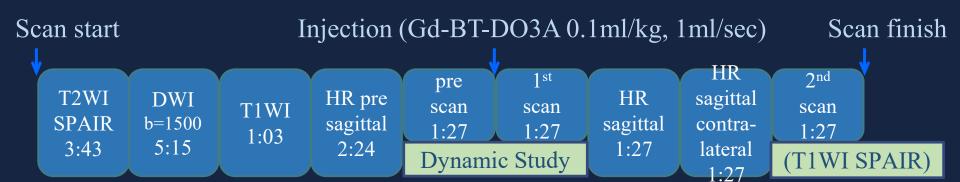
撮影プロトコル



<u>早期相(秒)</u> 後期相(分)

Axial? Coronal?

撮影プロトコル

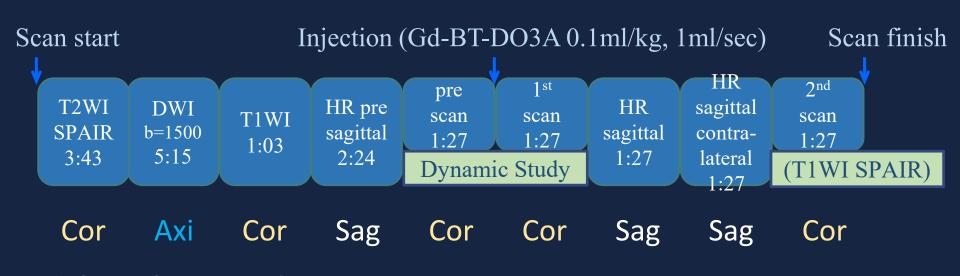


名古屋医療センターの例

<u>早期相 (90秒)</u> 後期相 (5分)

Axial? Coronal?

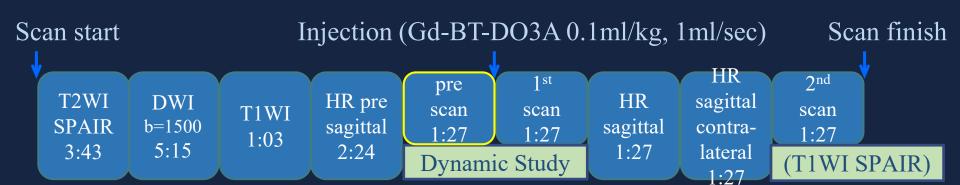
撮影プロトコル



名古屋医療センターの例

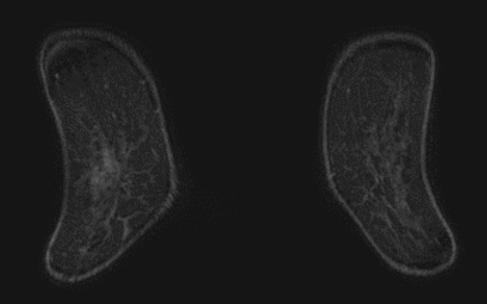
Cor 冠状断 Axi 軸位断 Sag 矢状断

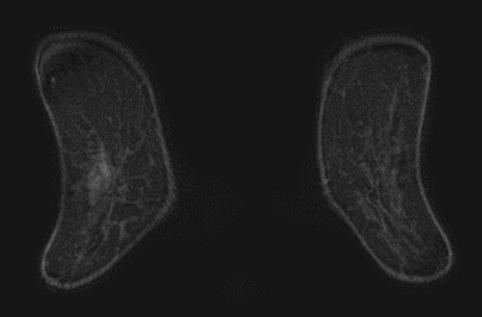
撮影プロトコル

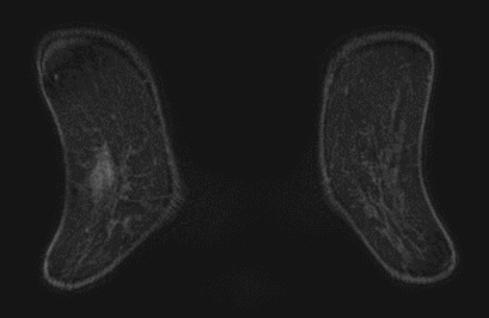


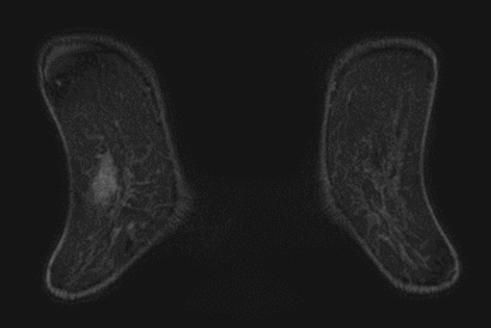
pre(T1WI)

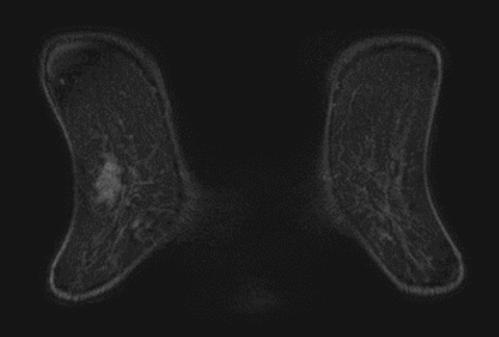
脂肪抑制T1強調画像(造影前)

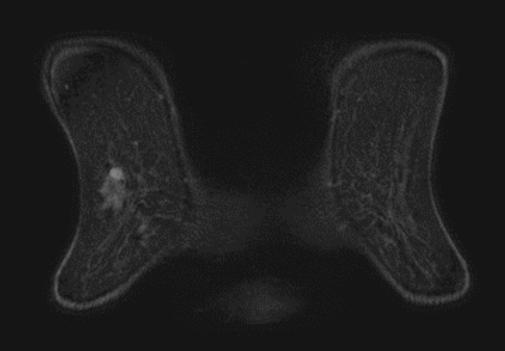


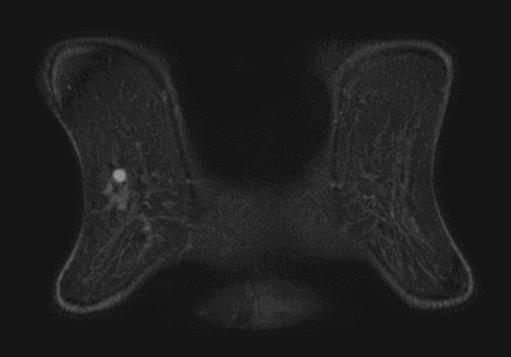


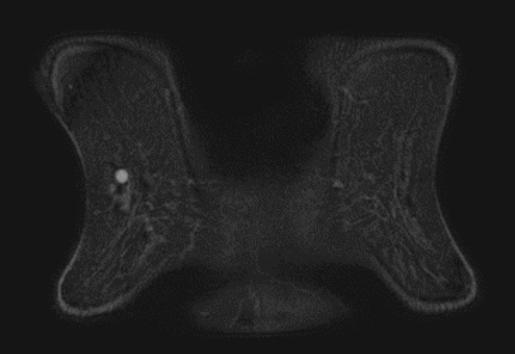


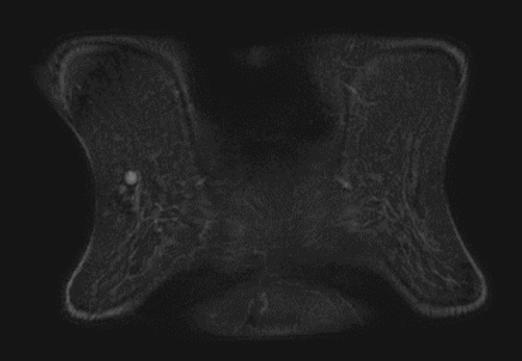


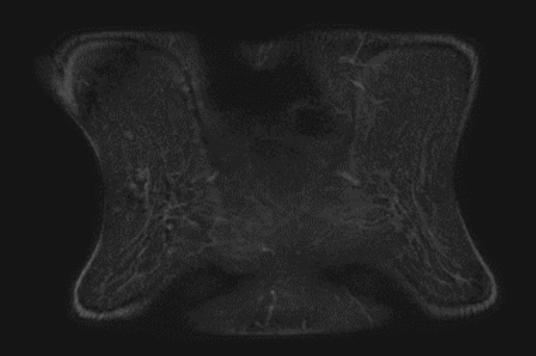




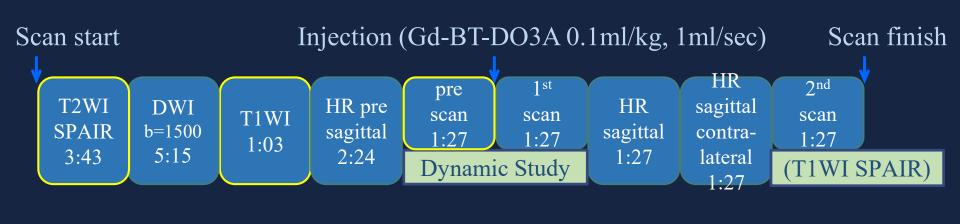








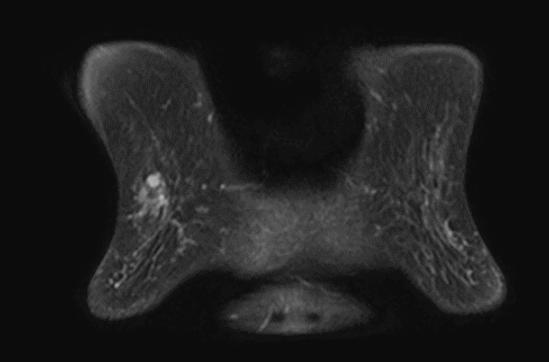
撮影プロトコル



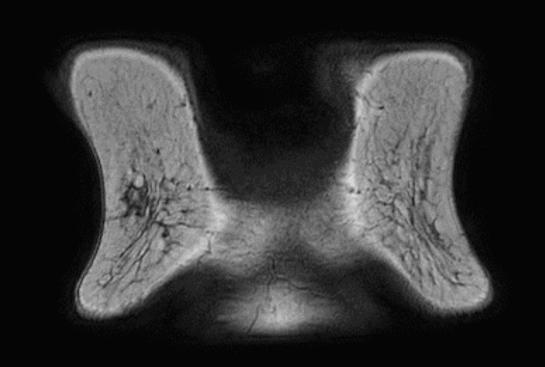
T2WI T1WI pre(T1WI)

脂肪抑制なし

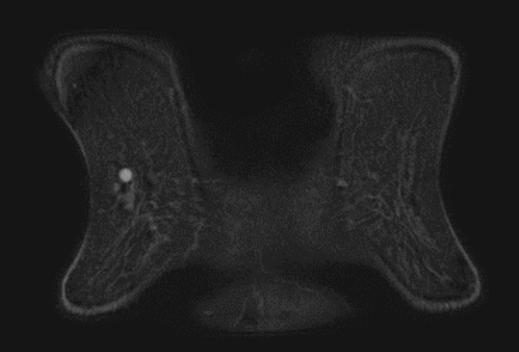
T2WI



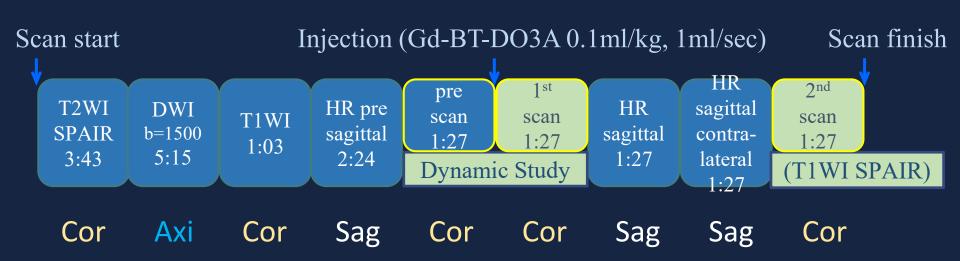
T1WI(脂肪抑制なし)



T1WI(脂肪抑制あり)=造影前



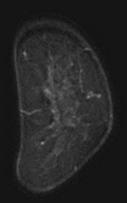
撮影プロトコル



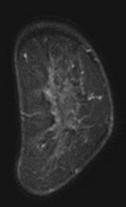
Dynamic Study (T1WI) 冠状断

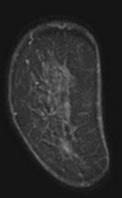
造影前はもう呈示したので、早期相・後期相を並べて表示します

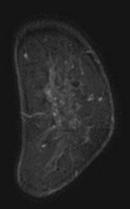
Early Delay



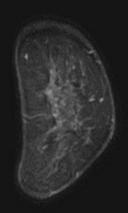


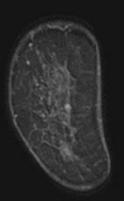


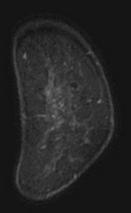


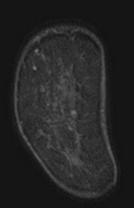


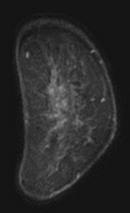


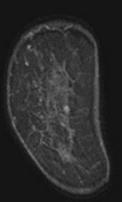


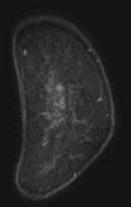




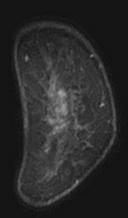




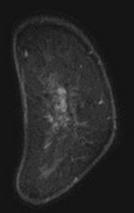




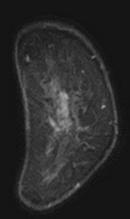




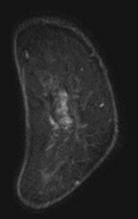




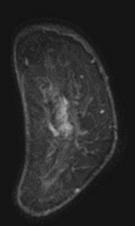




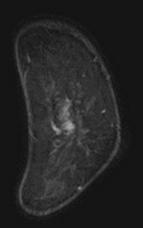


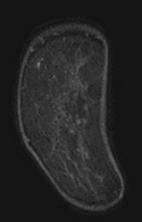


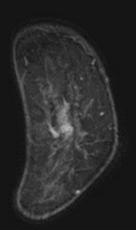


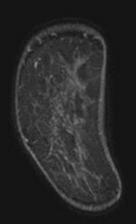


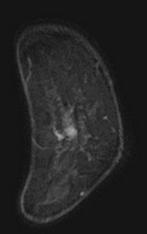


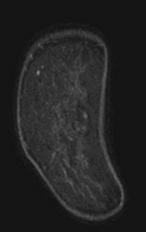


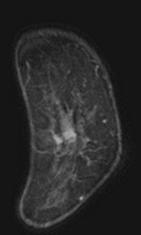


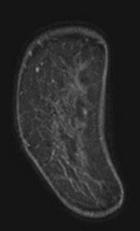




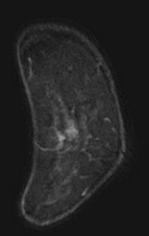


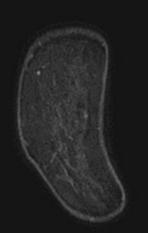


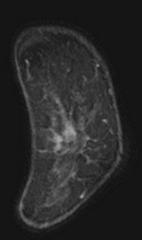


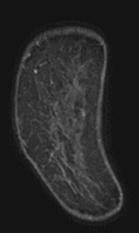


Early Delay

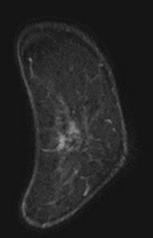


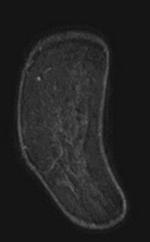


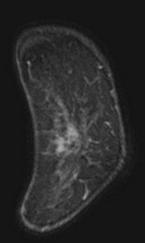


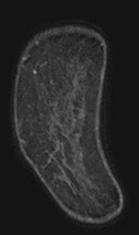


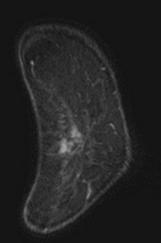
Early Delay

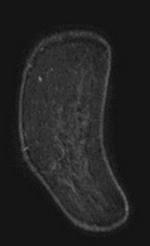


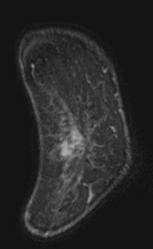


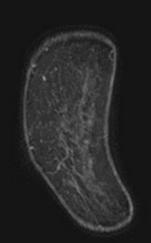


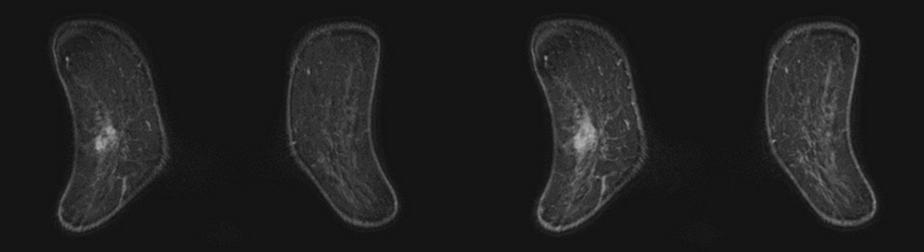


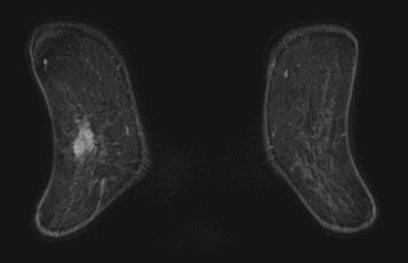


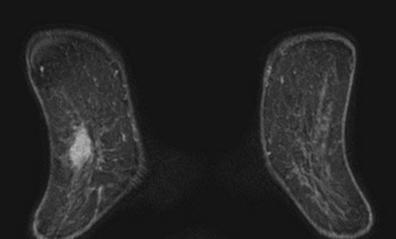


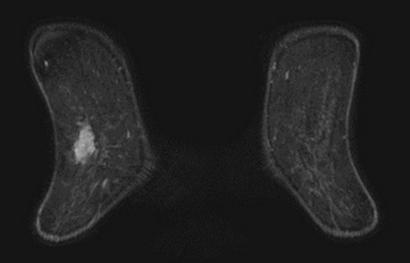


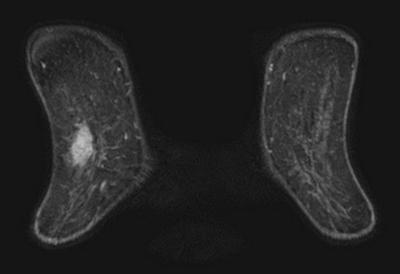


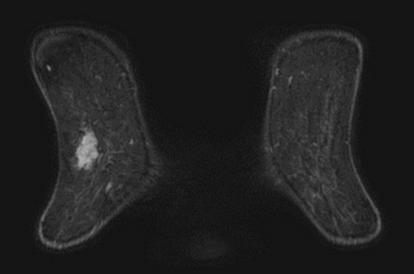




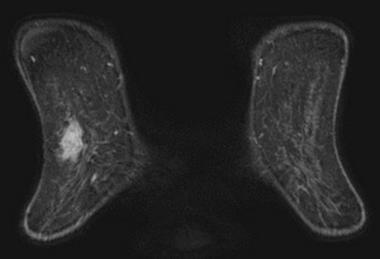


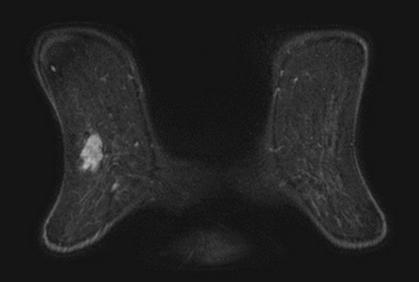


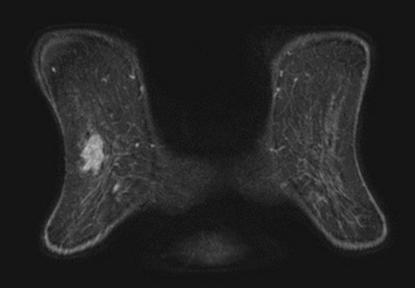


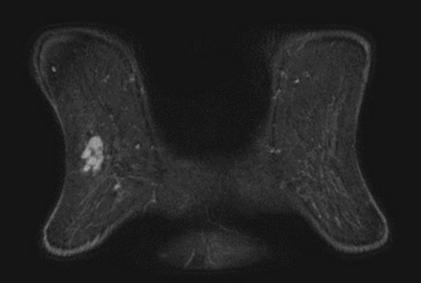


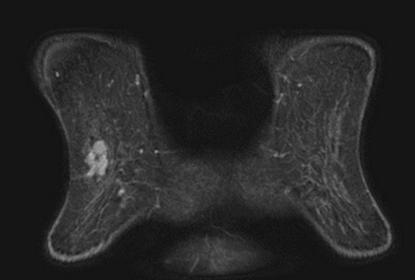






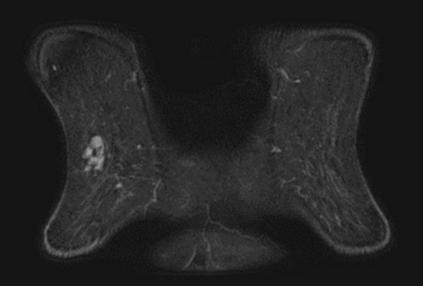


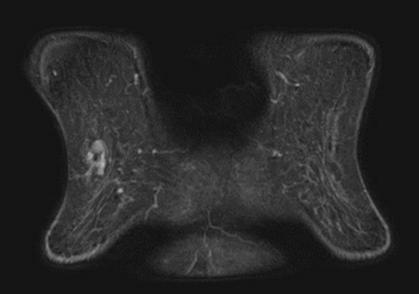


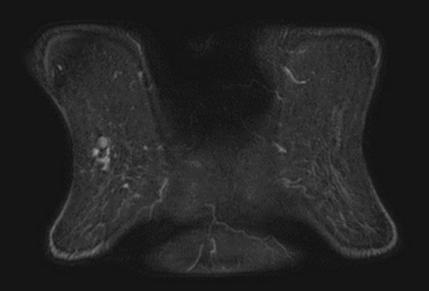


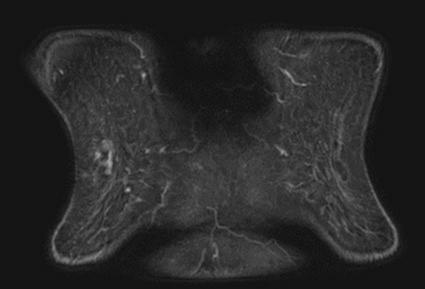
Early

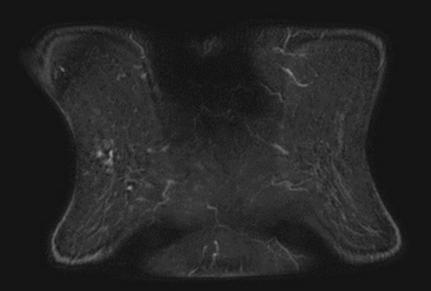
Delay

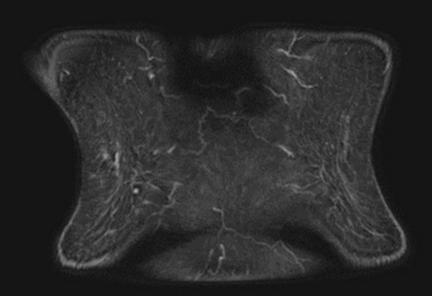






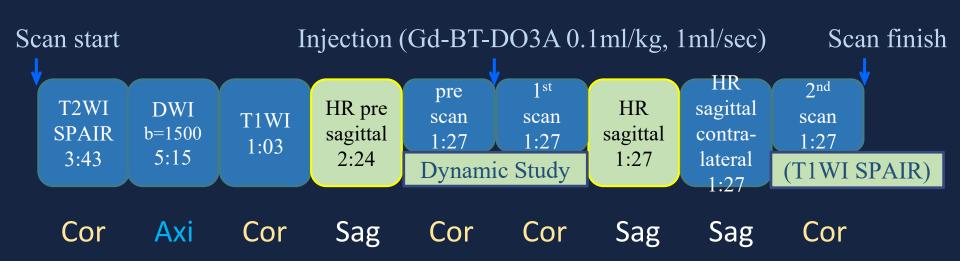






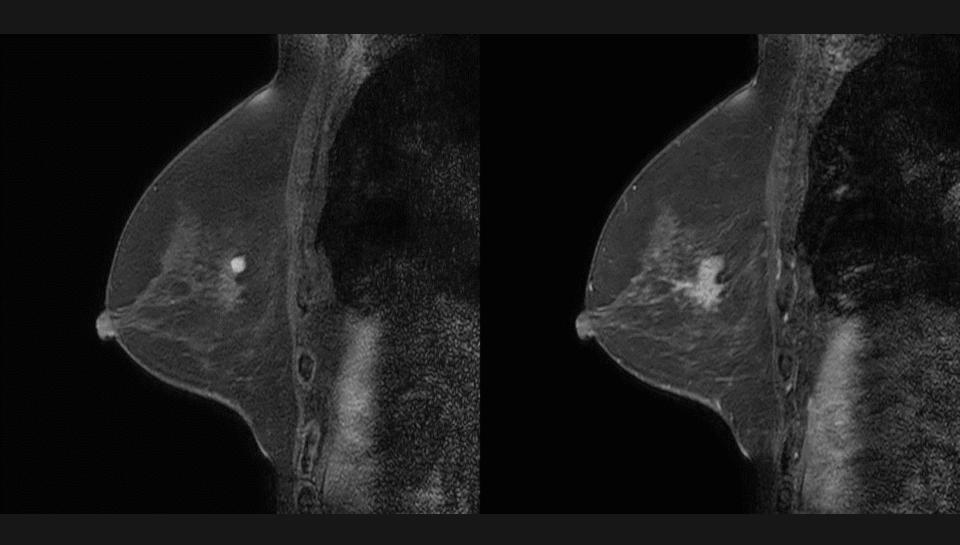
MRI 撮影装置: Ingenia 3T (Philips)

撮影プロトコル

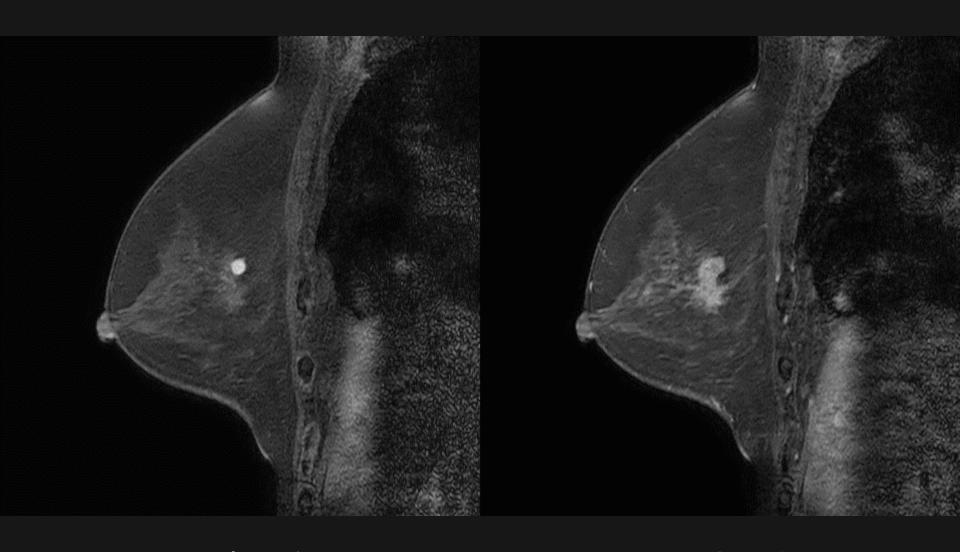


Dynamic Study (T1WI)の矢状断

プロトコル上、当院の矢状断は、冠状断の早期相よりやや遅れた2~3分ごろに撮られている

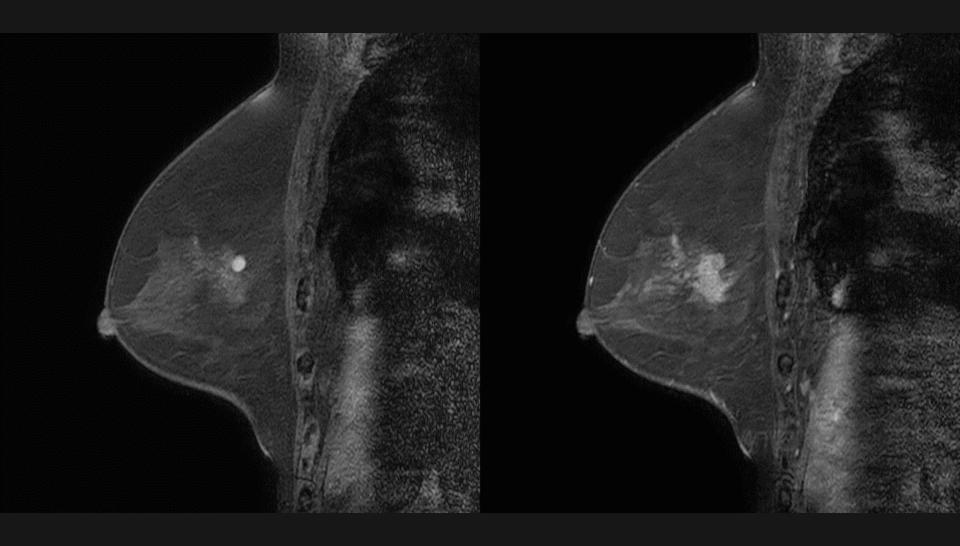


造影前 造影後



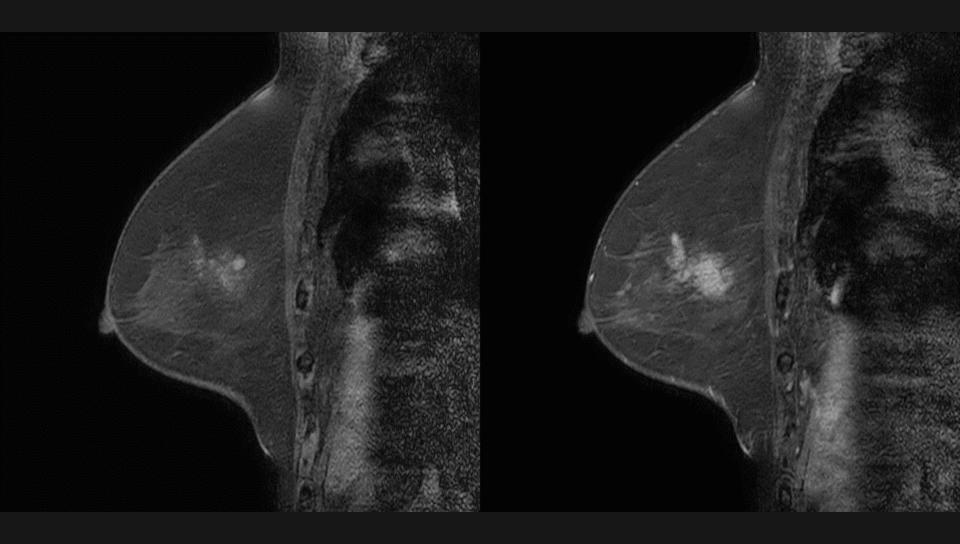
造影前

造影後



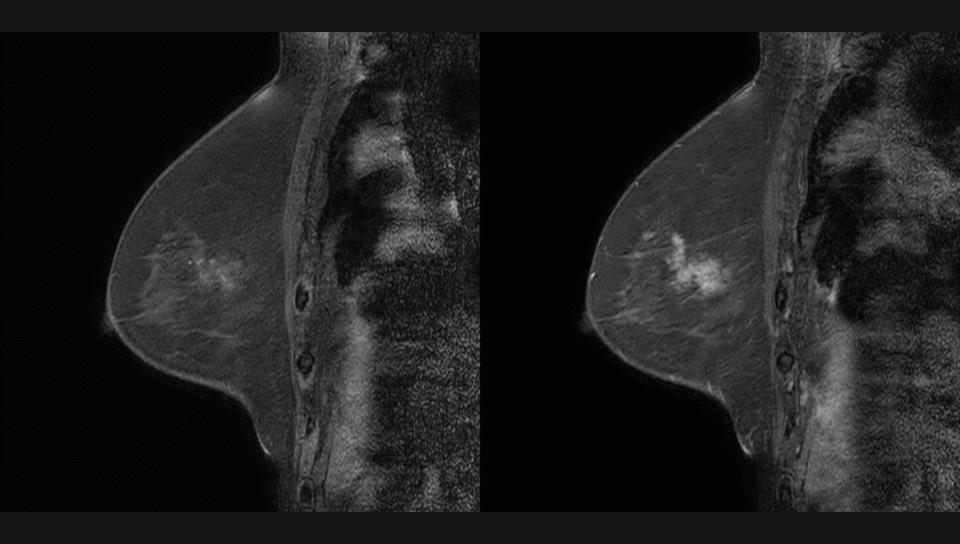
造影前

造影後



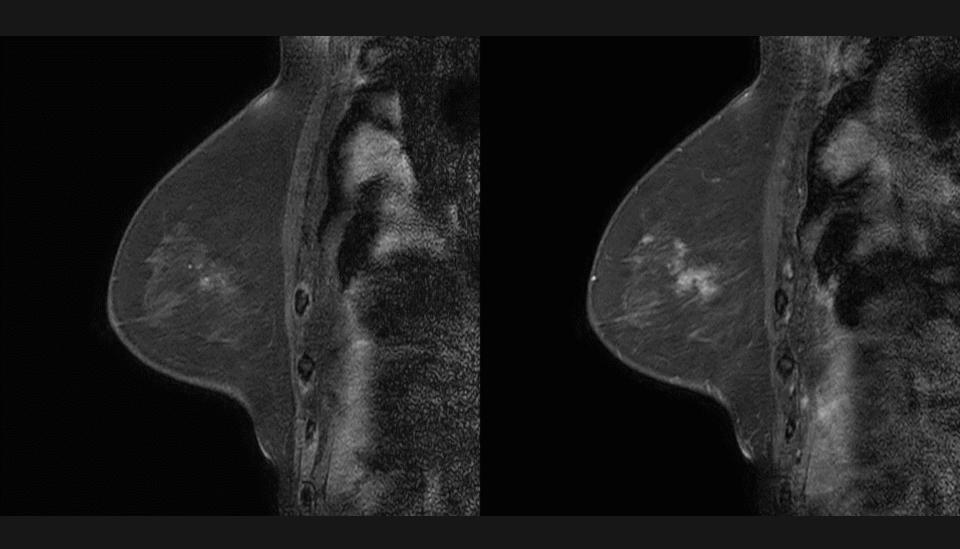
造影前

造影後



造影前

造影後



造影前

造影後

病理組織所見はセミナー当日に呈示します。