

Liver Therapy: Maximizing Your Technique

# **Ablation of Poorly Visualized Tumors: My Top 5 Technical Pearls**

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# Disclosures

- Boston Scientific - Consultant
- Philips Healthcare - Consultant
- ACR Innovation Grant – Grant Recipient
- Case Western- Collaborator

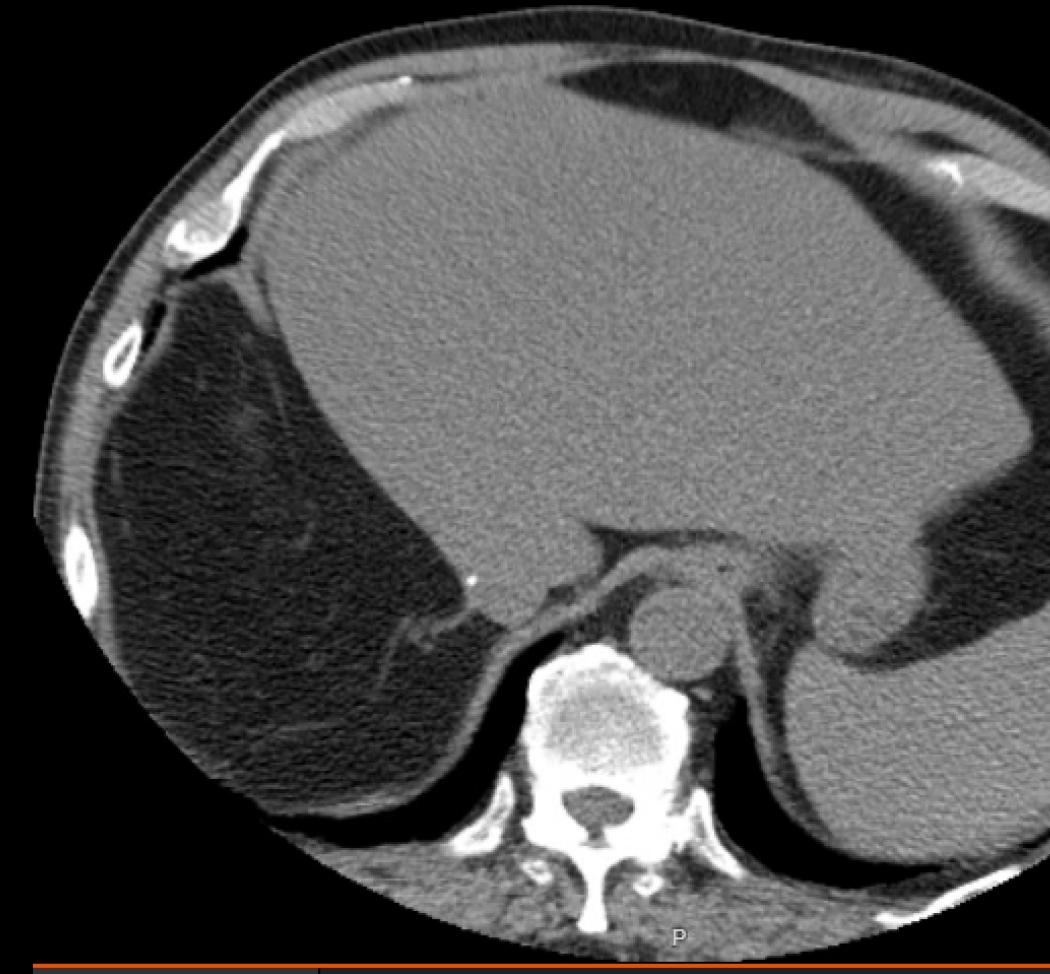
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# My Top 5 Technical Pearls

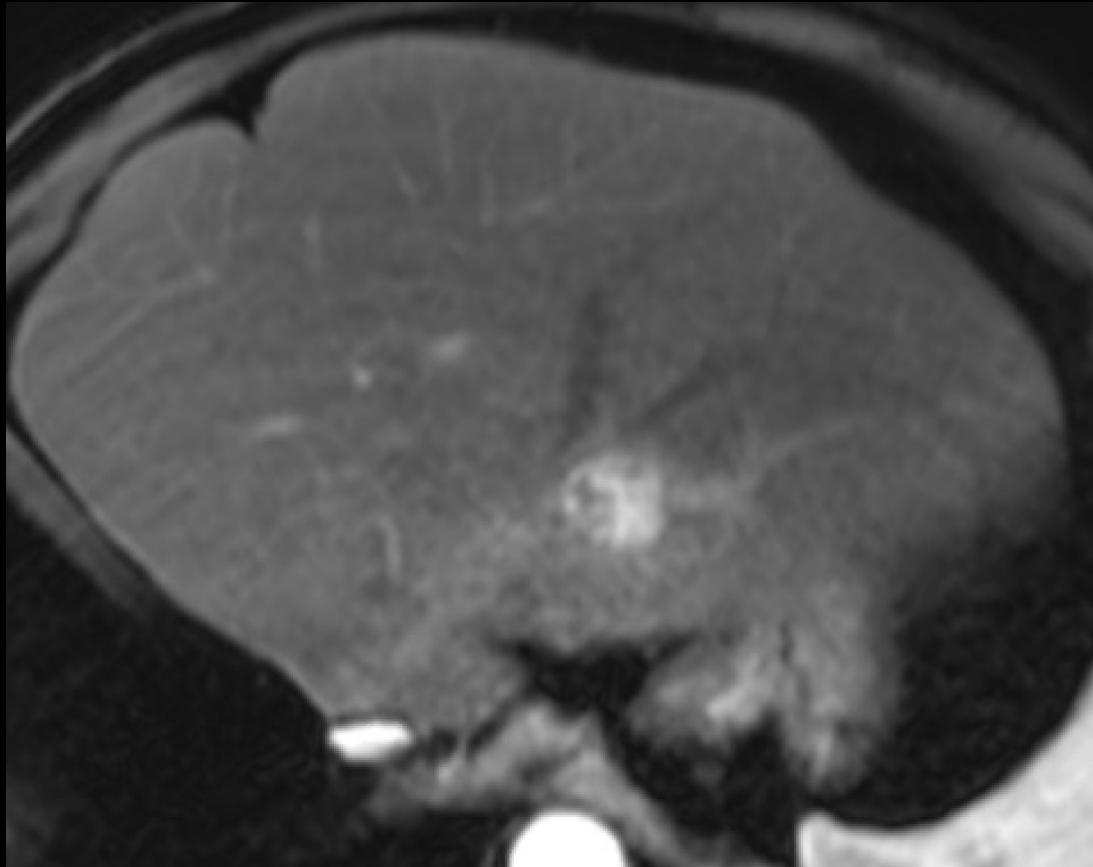
1. Ultrasound
2. Contrast
3. Landmarks
4. Fusion
5. Blast It!

Pearl #1

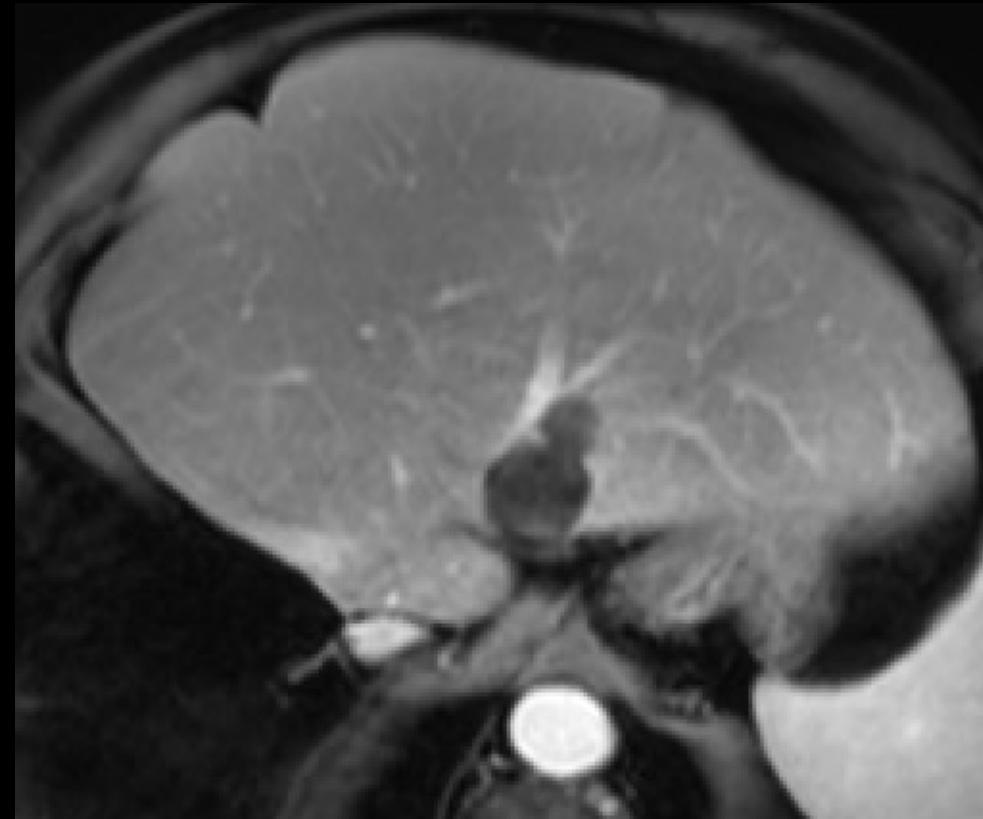
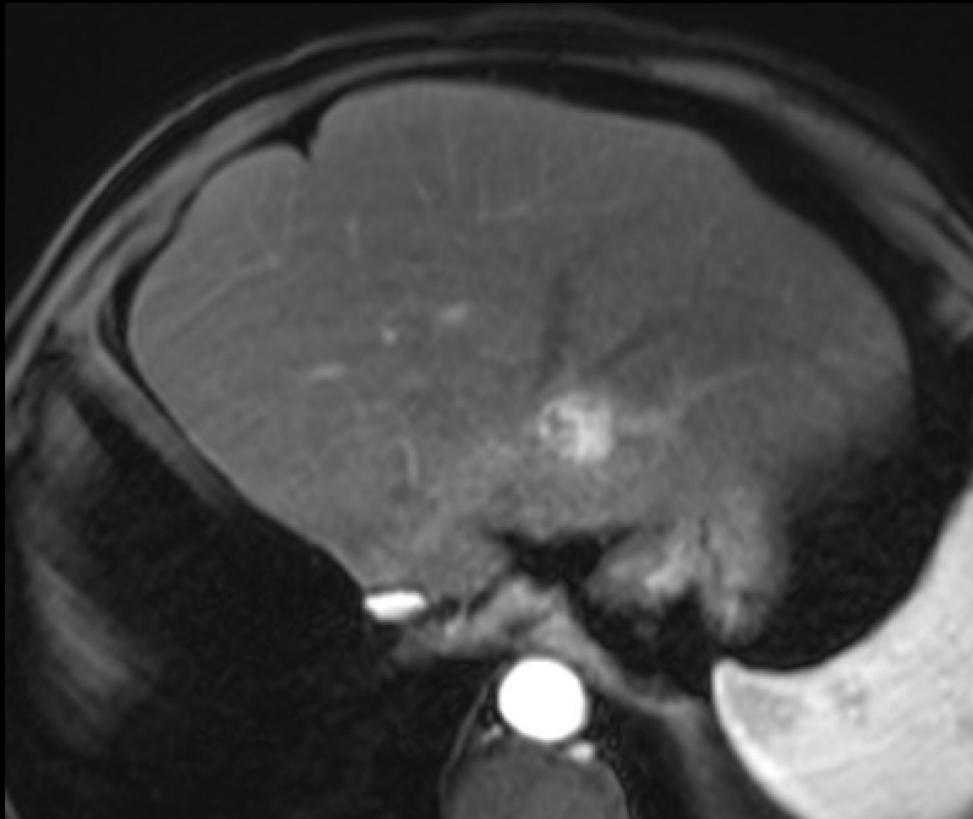
Look with Ultrasound



# Look with Ultrasound



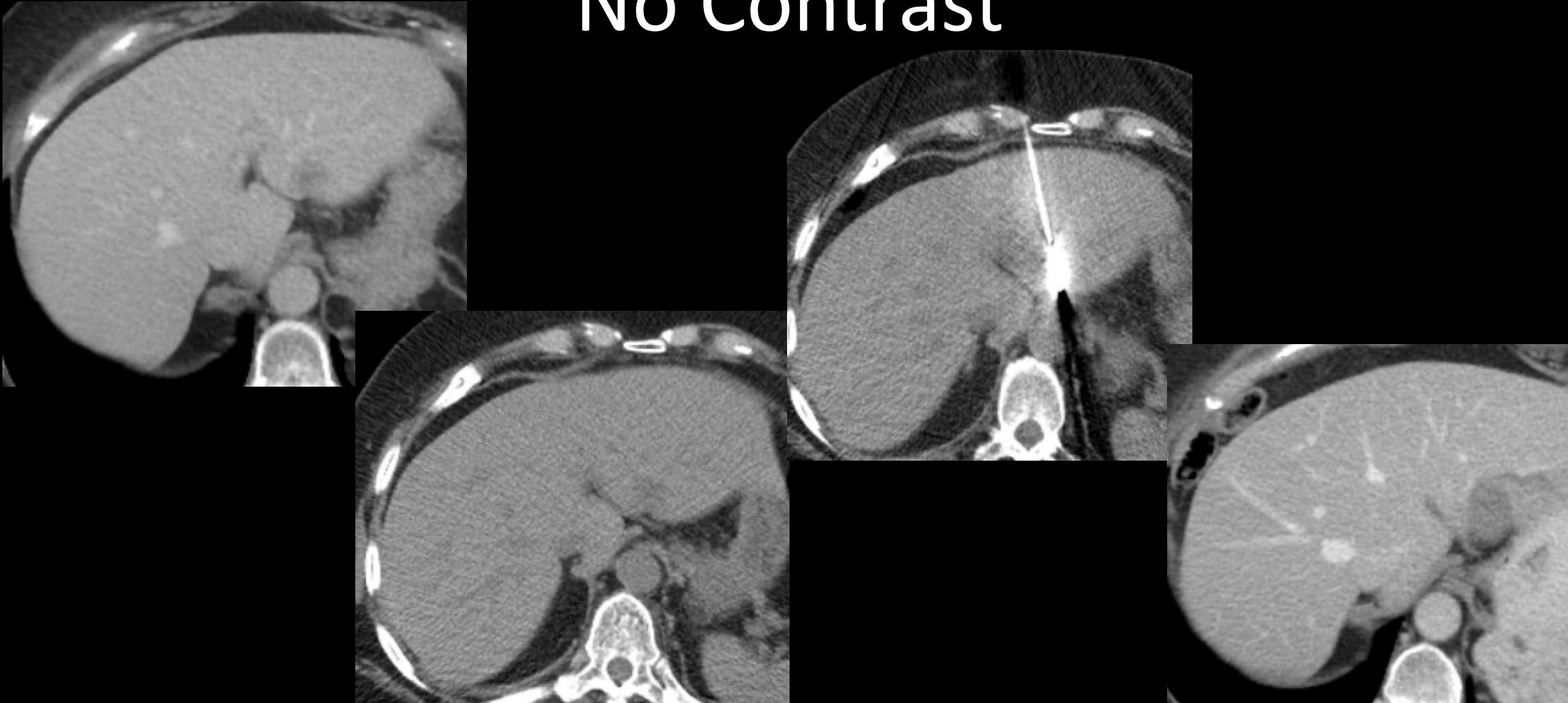
# Look with Ultrasound



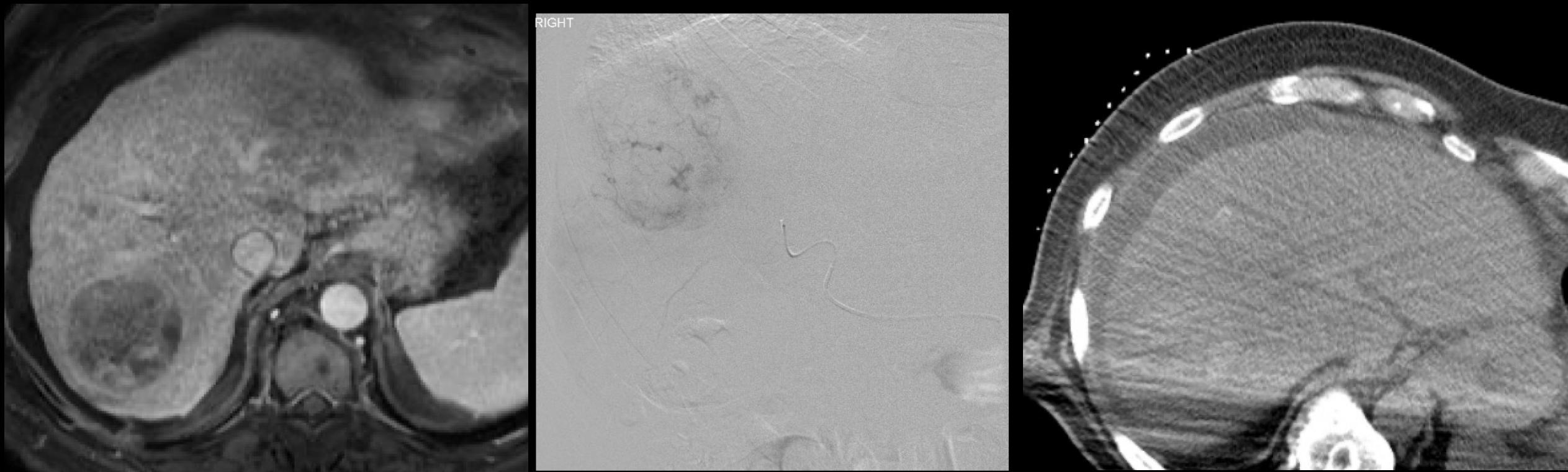
# Pearl #2

# Contrast

# No Contrast



# Contrast with Embo - Lipiodol Staining



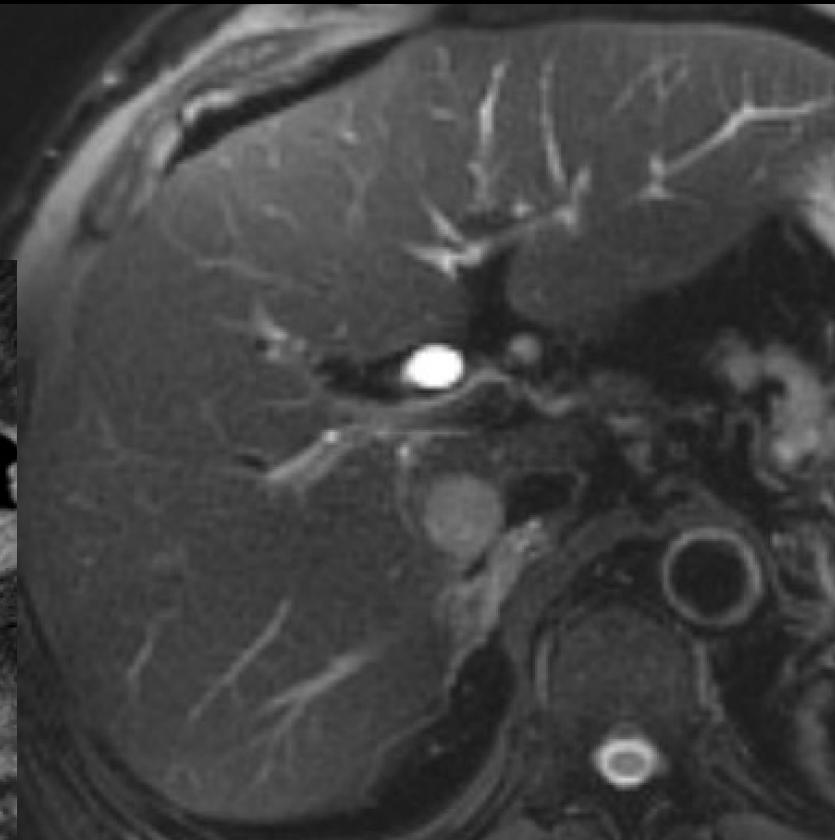
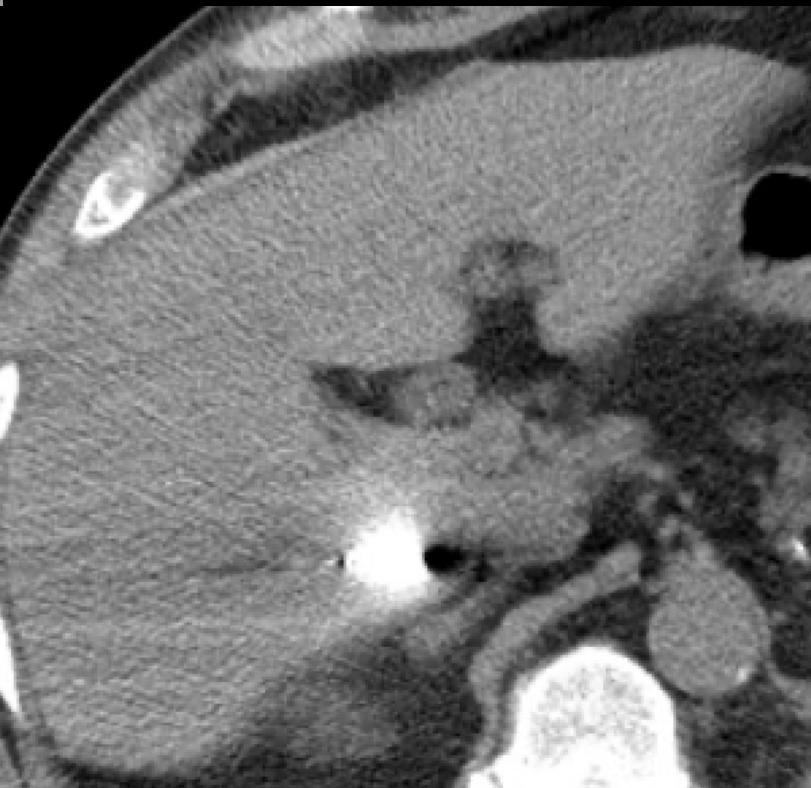
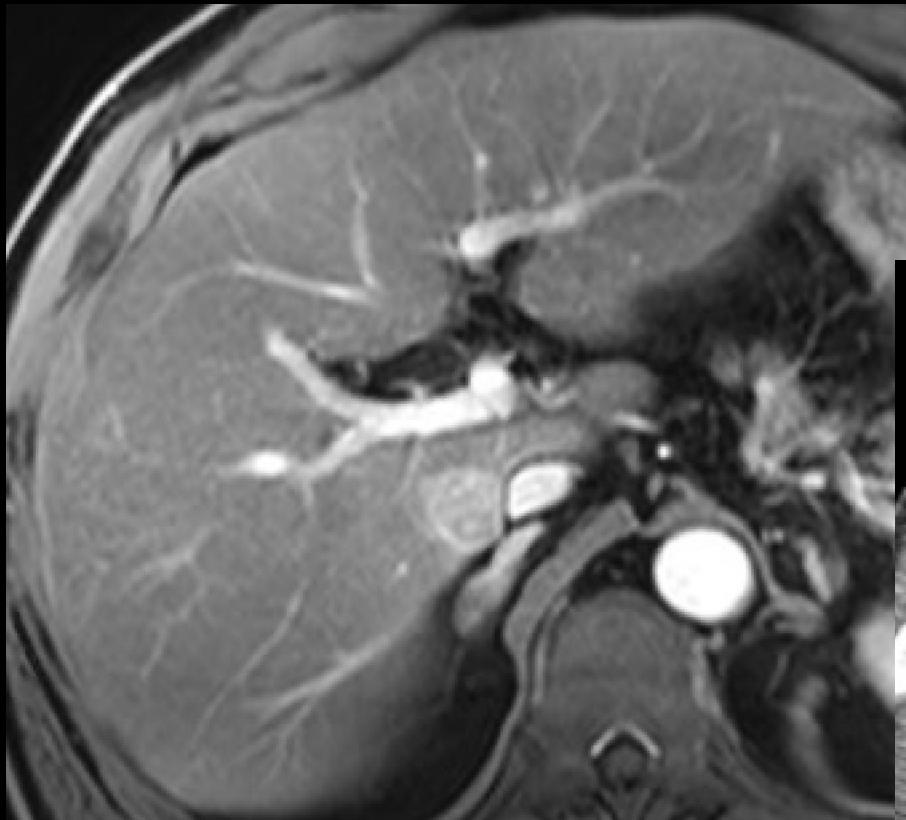
# Pearl #3

# Landmarks

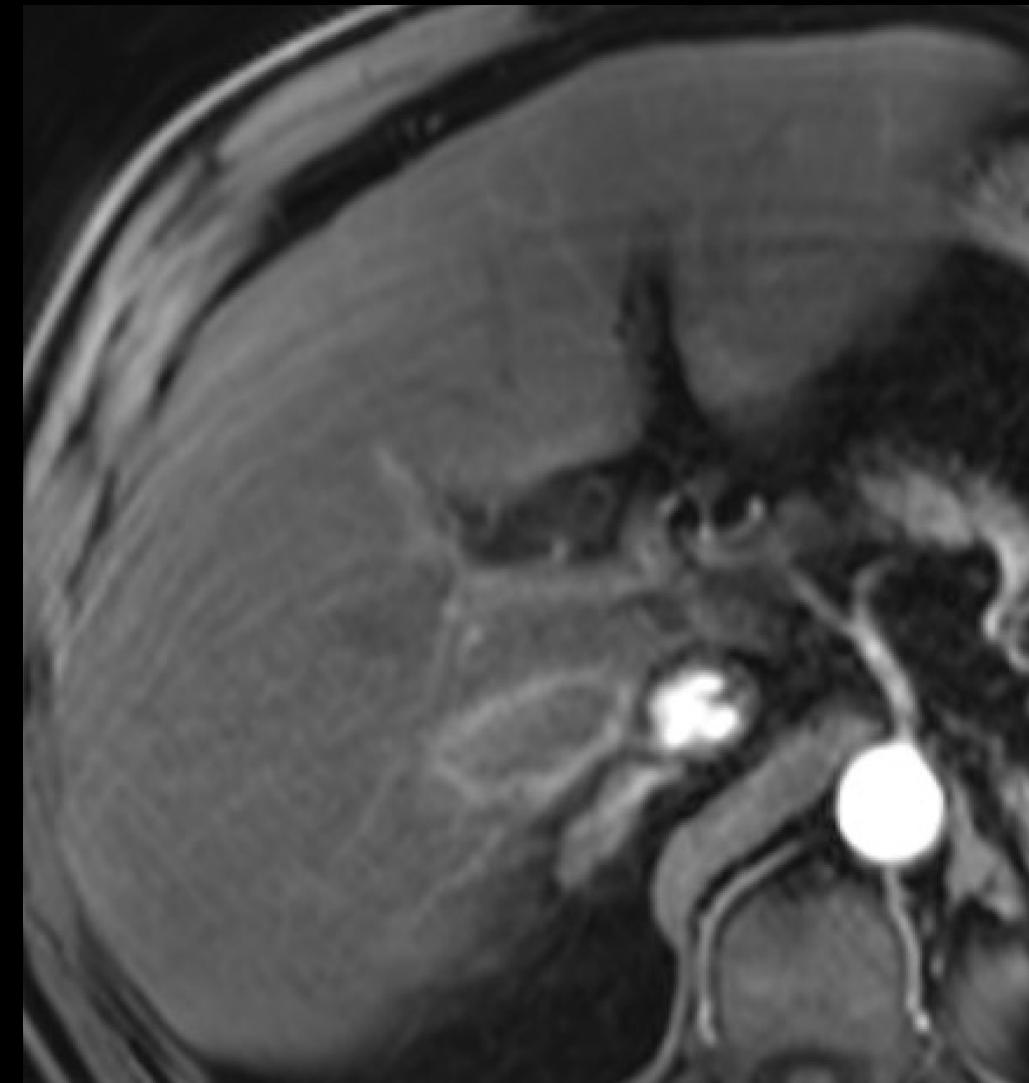
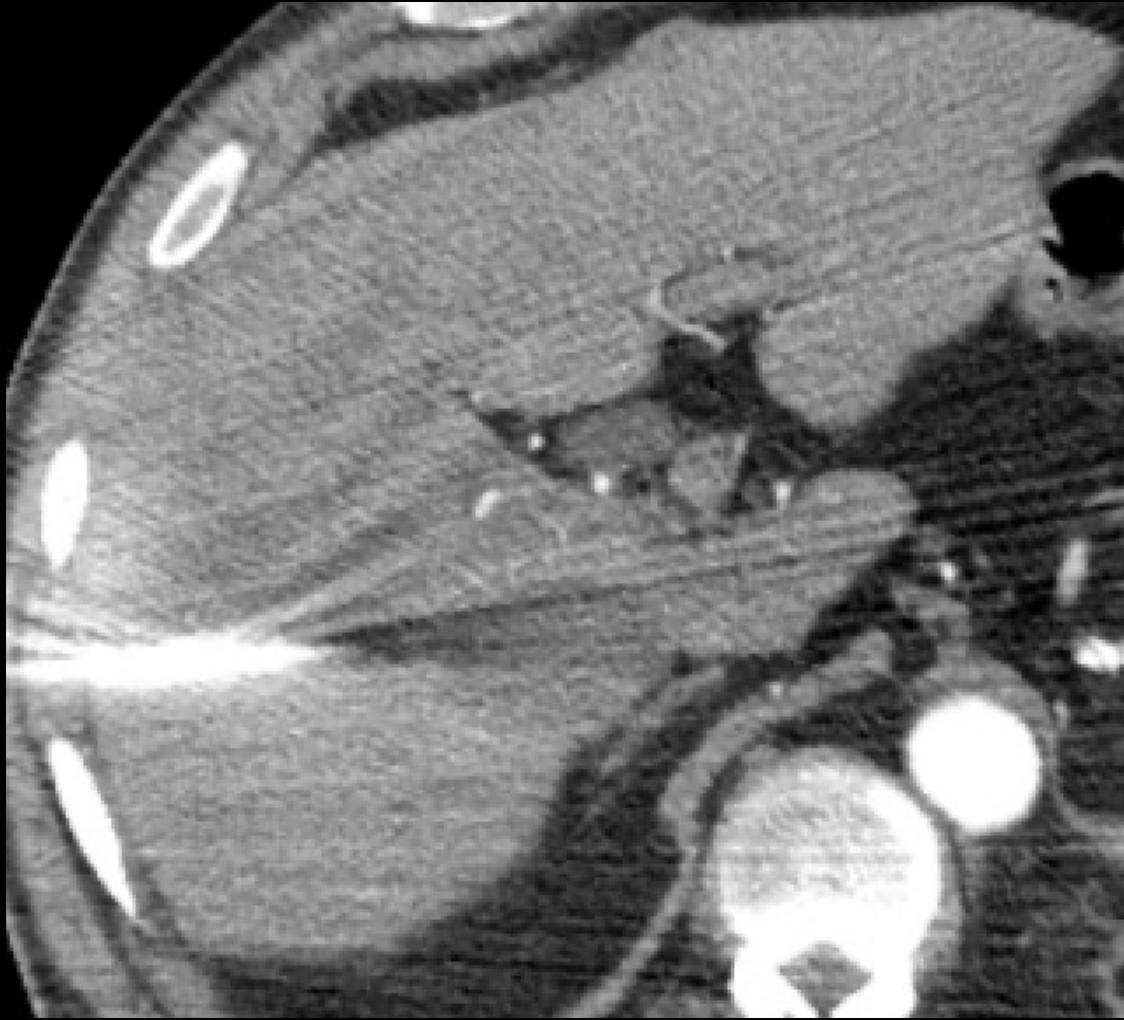
# Landmarks



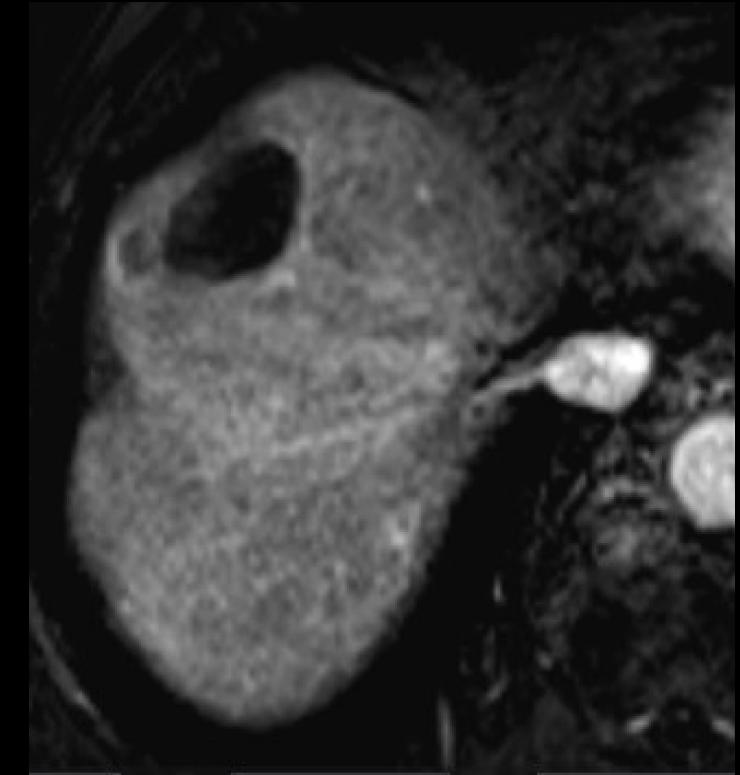
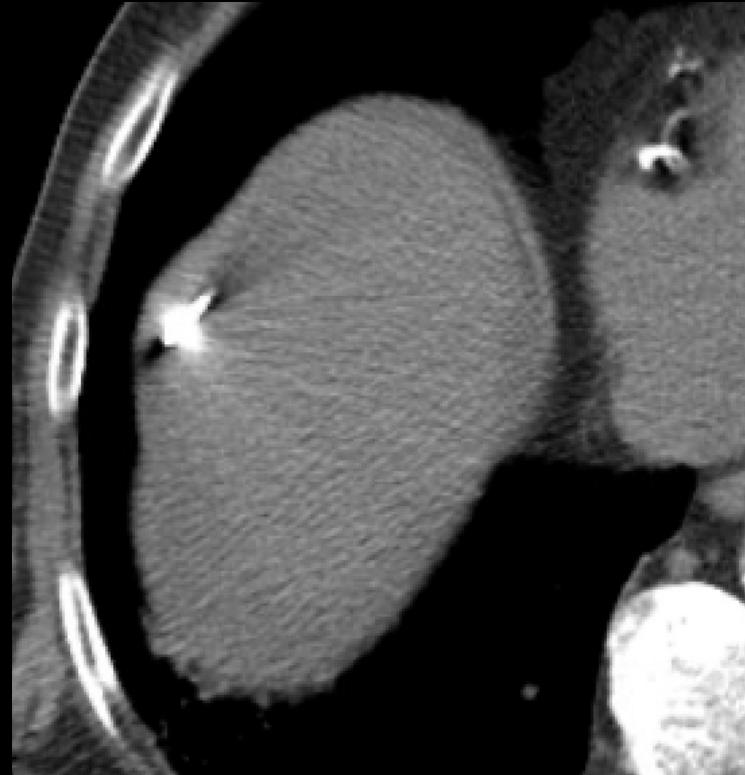
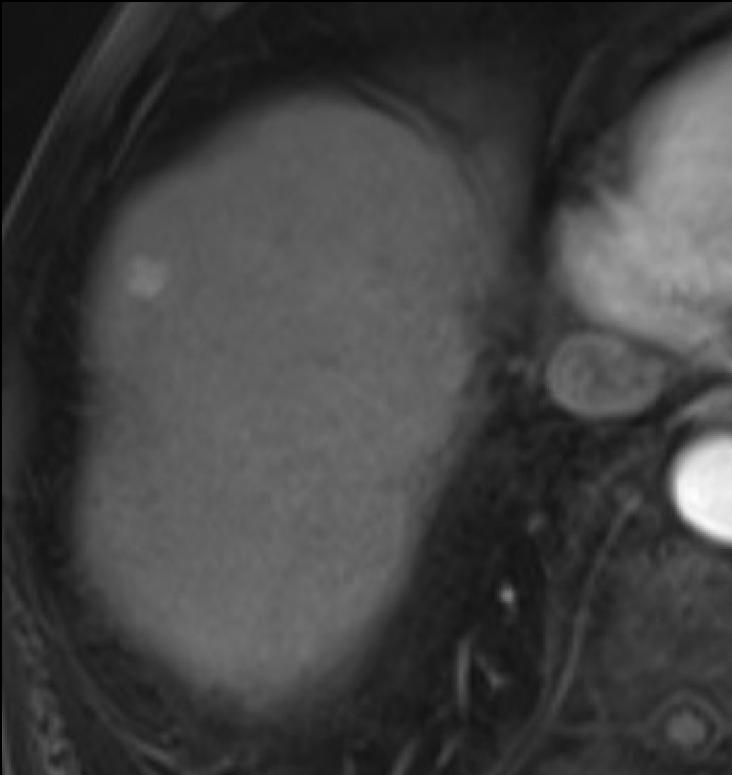
# Anatomical Landmarks



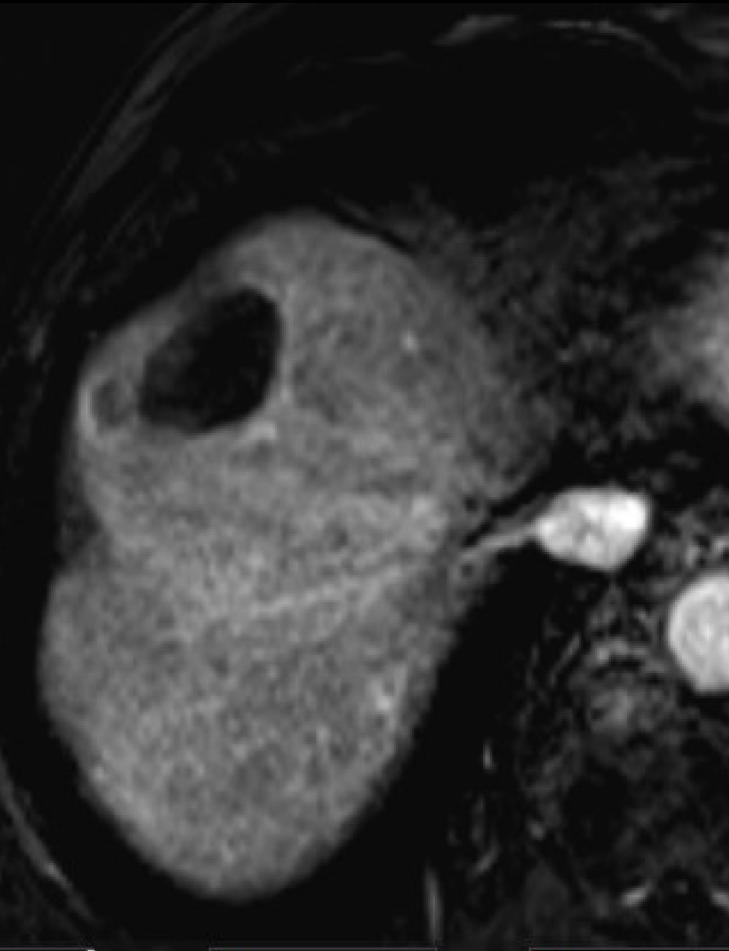
# Landmarks



# Internal Landmarks

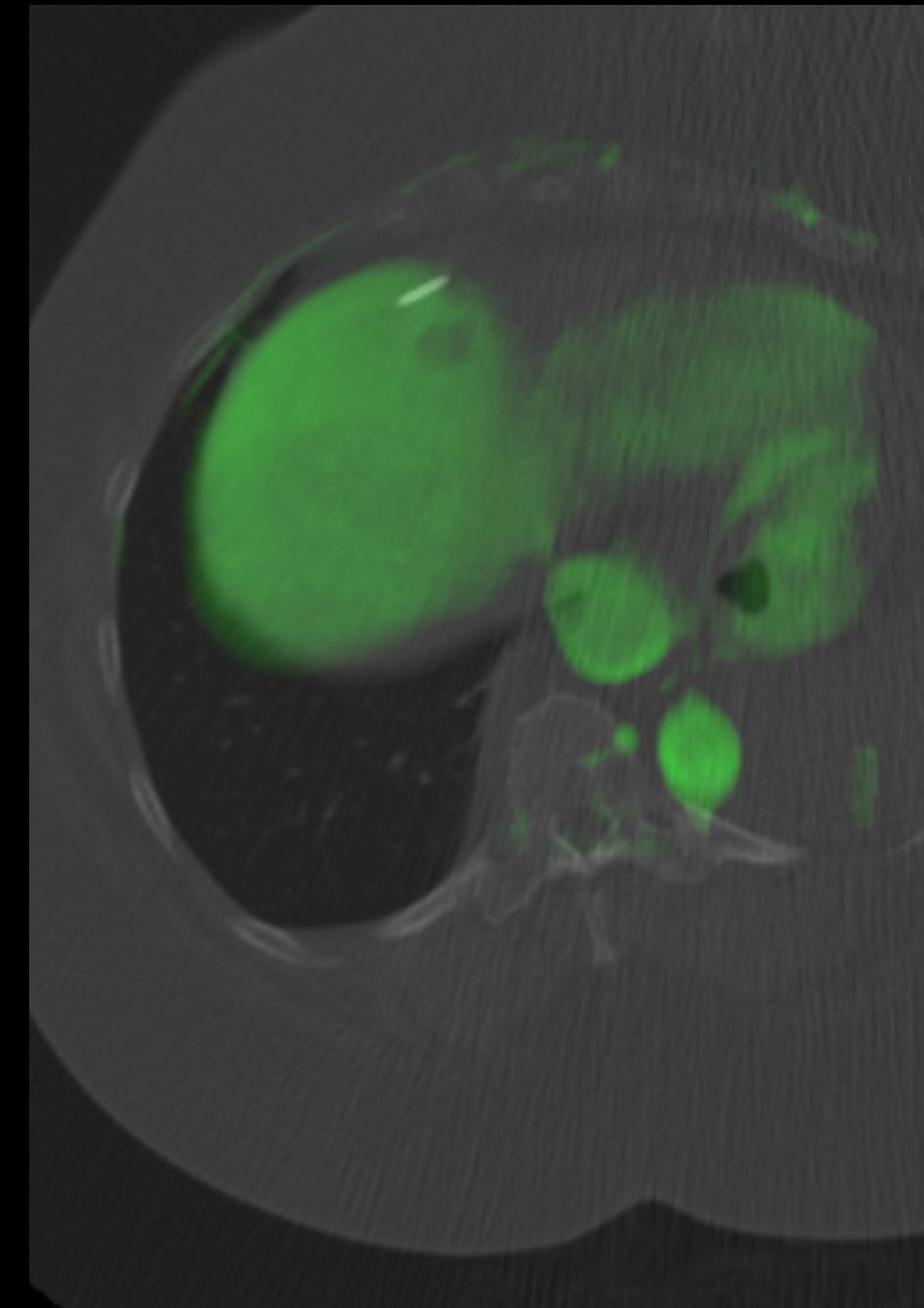
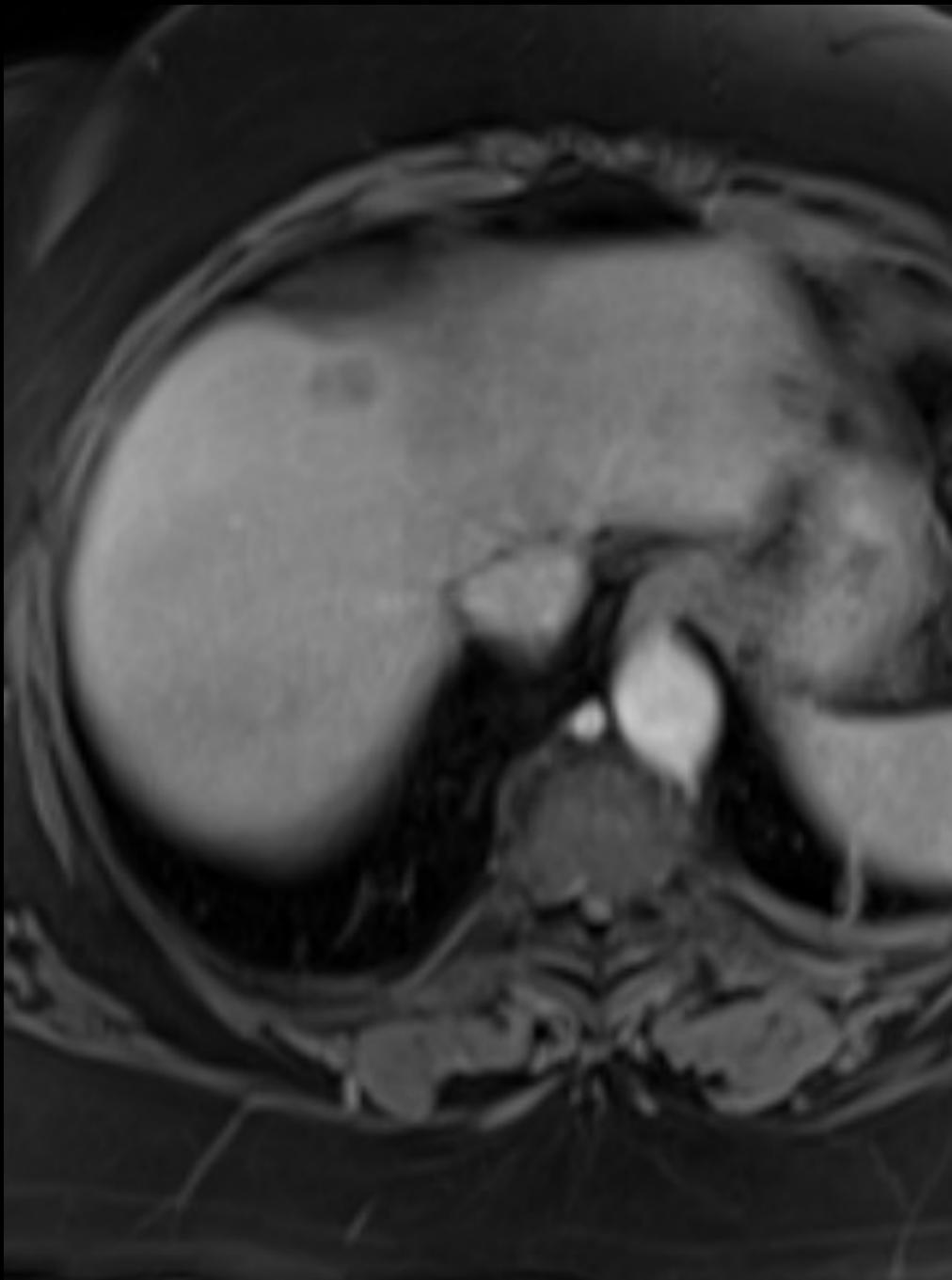


# Internal Landmarks



# Pearl #4

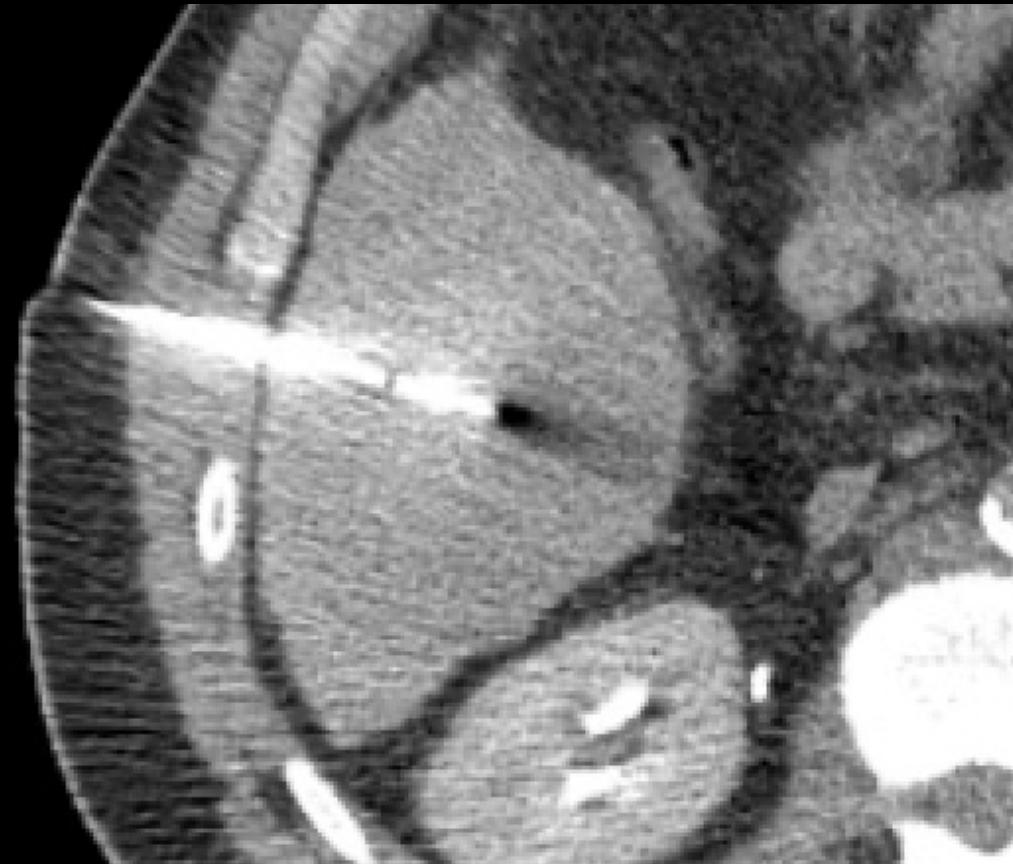
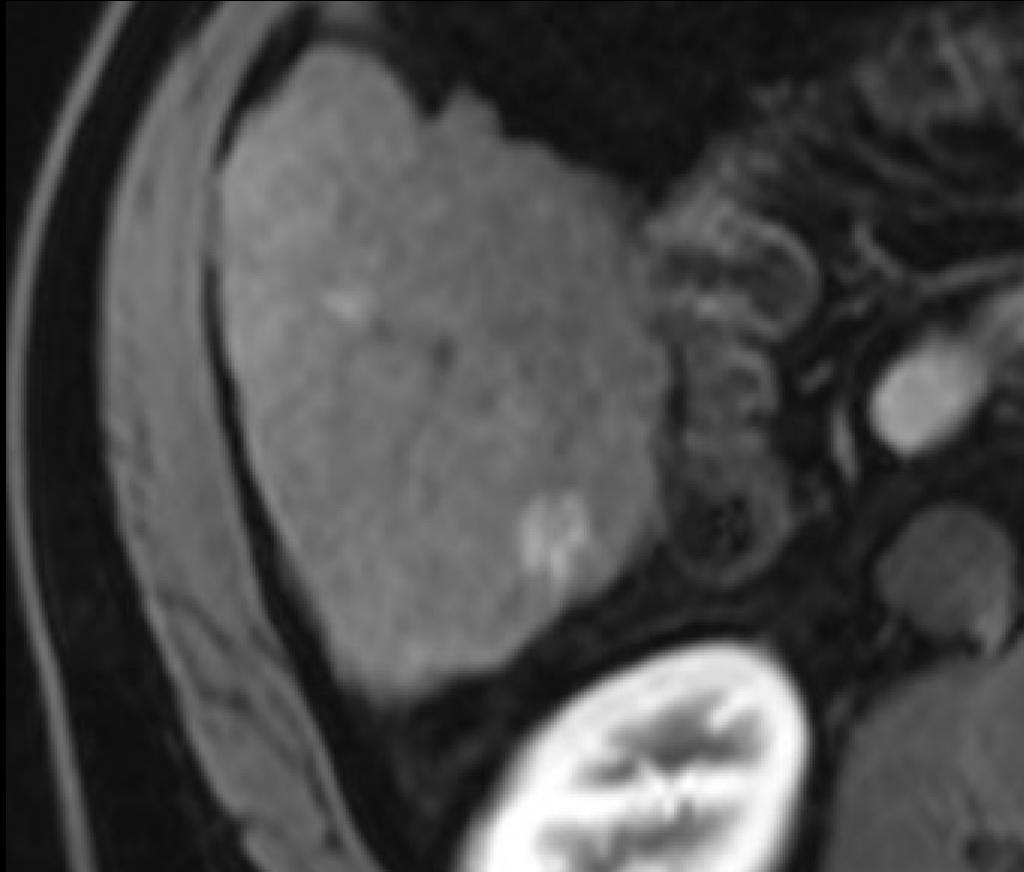
# Image Fusion



# Pearl #5

# Blast It!

# Blast the Area



# My Top 5 Technical Pearls

1. Ultrasound – look with US
2. Contrast – don't assume non-contrast is bad/give contrast/ablate post embo
3. Landmarks – use them
4. Fusion imaging
5. Blast the area

# Thank You