

TOP 10 CLINICAL AND TECHNICAL PEARLS

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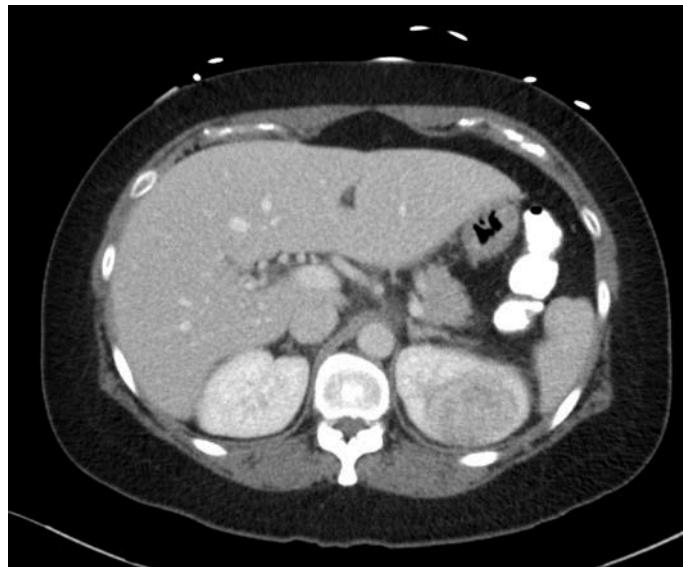


Disclosures

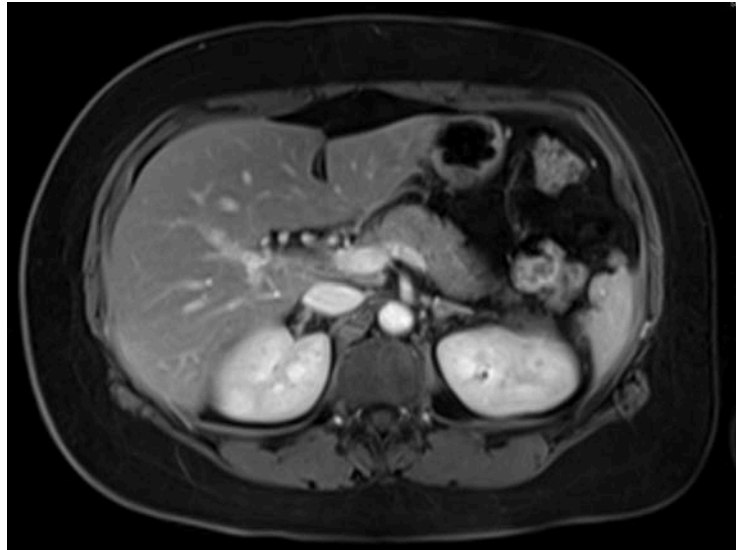
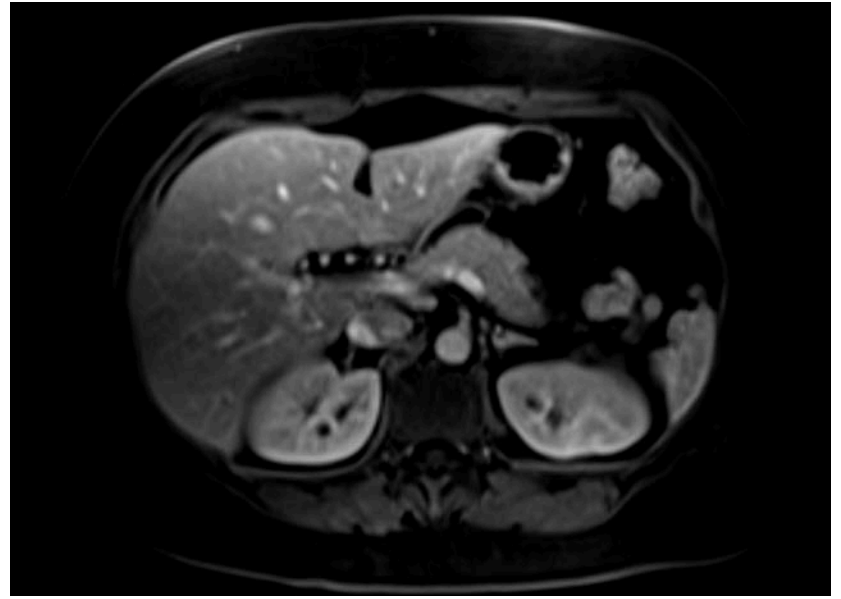
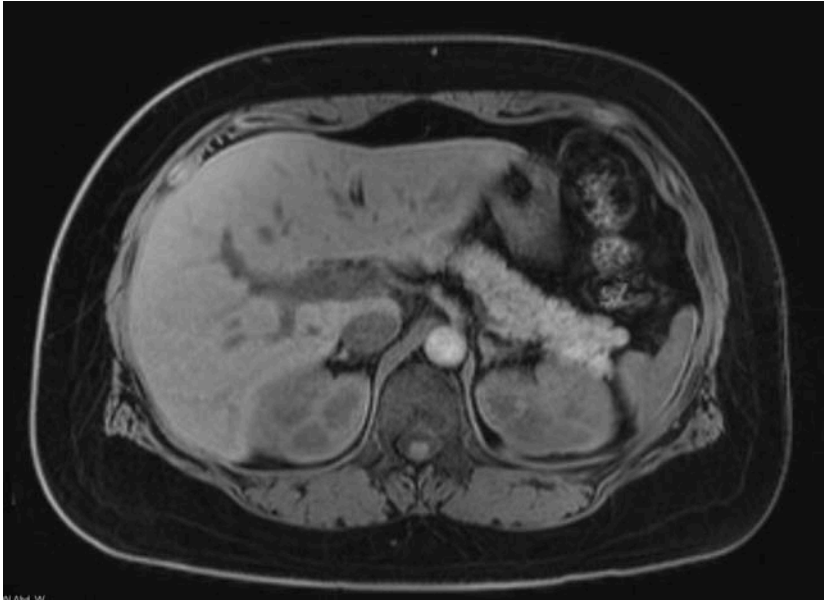
- Terumo
- Johnson and Johnson
- General Electric

1





Repeat imaging at 3 months



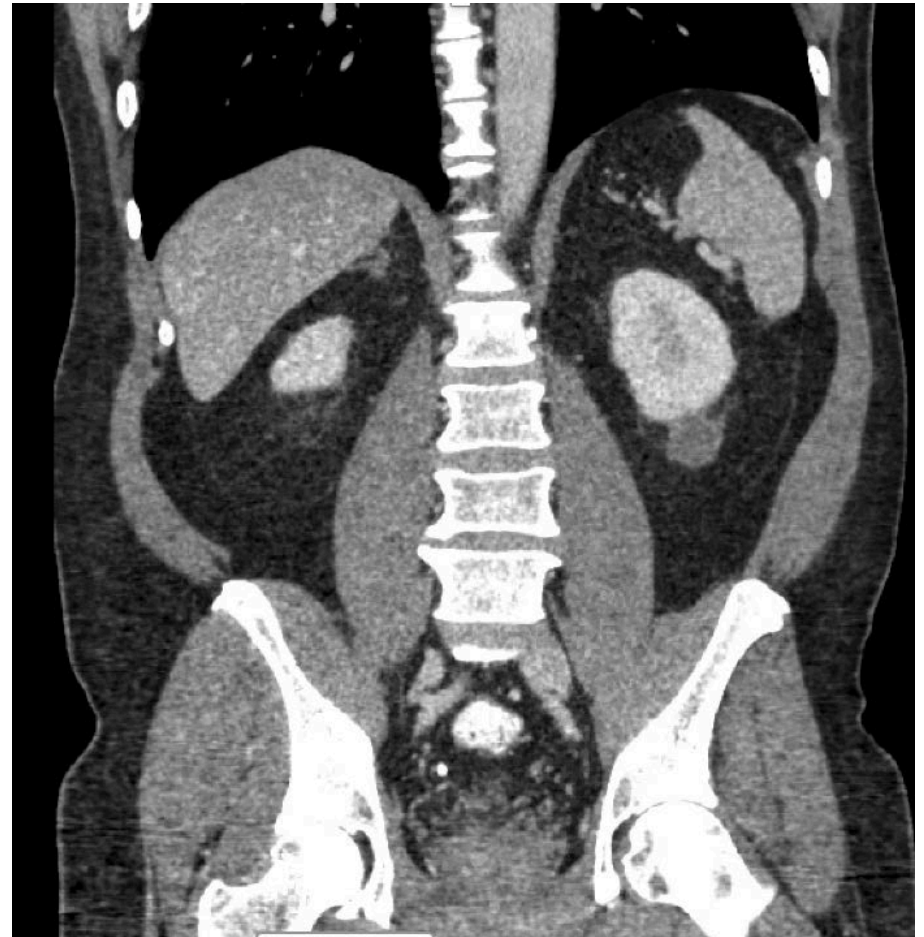
Surveillance

- **Not all renal masses are RCC**
- **Surveillance is a safe option**



2





Ablation and biopsy at same time



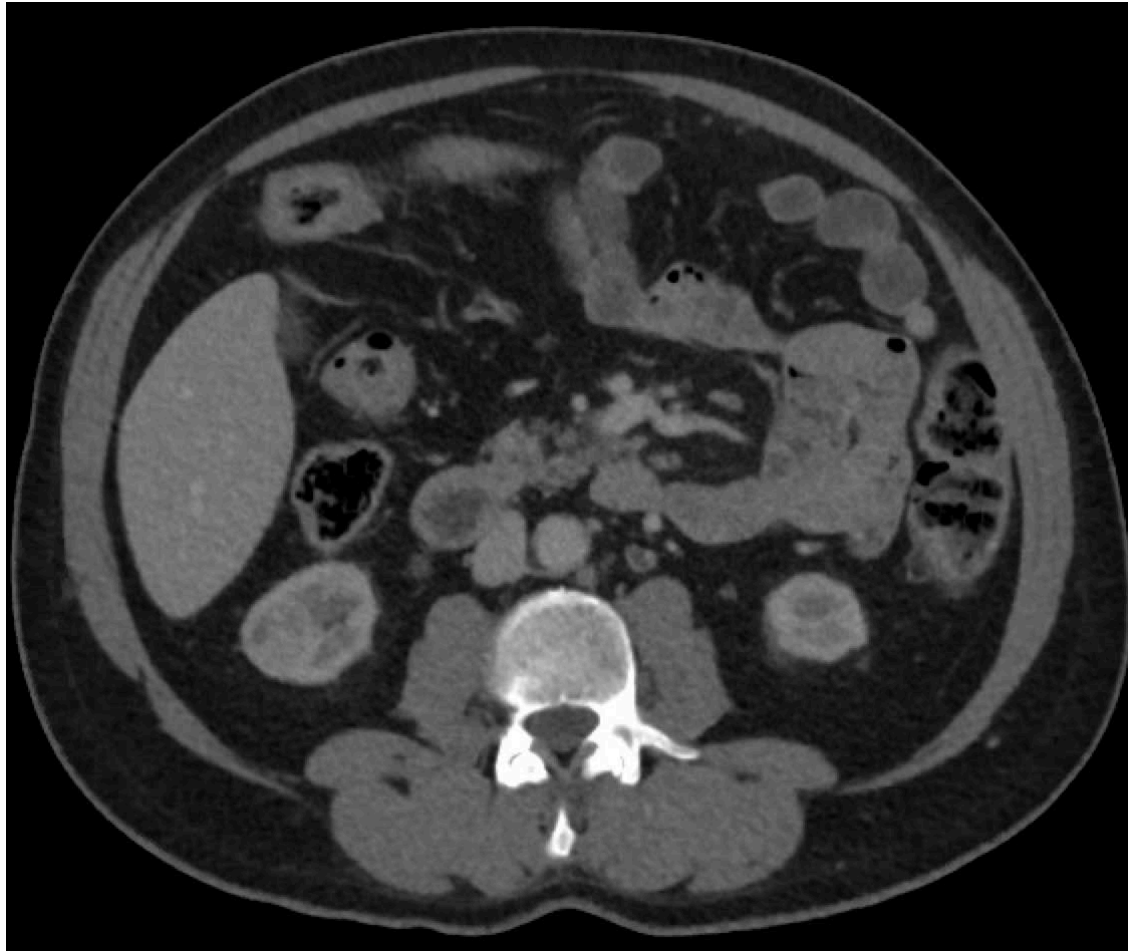


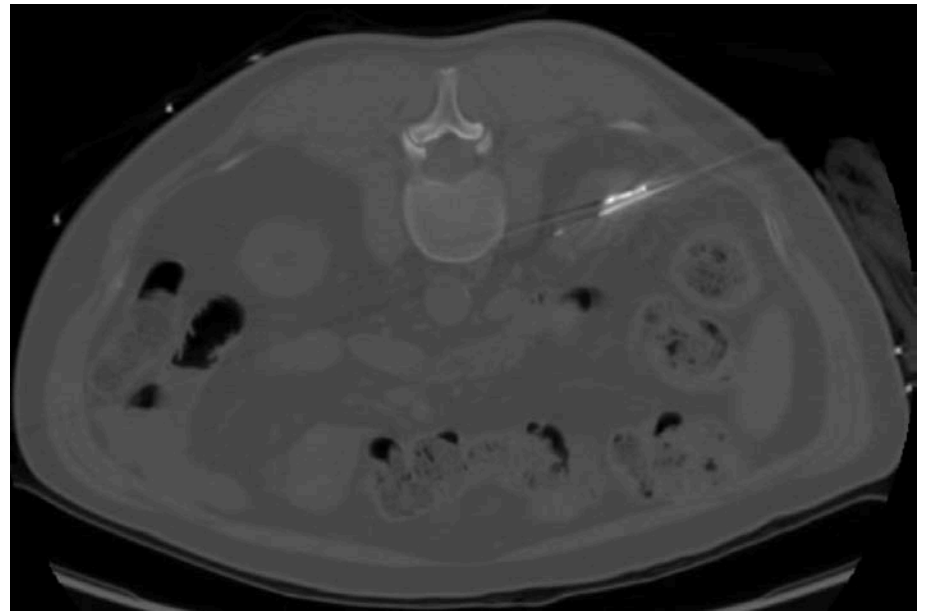
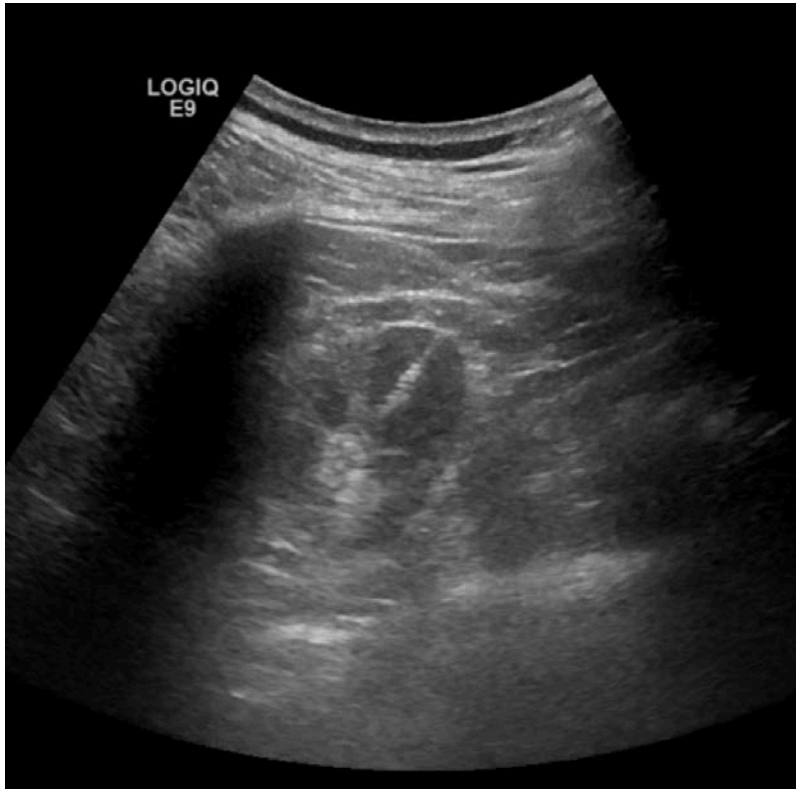
Biopsy

- **When biopsy and ablation at the same time – ablation probe first**

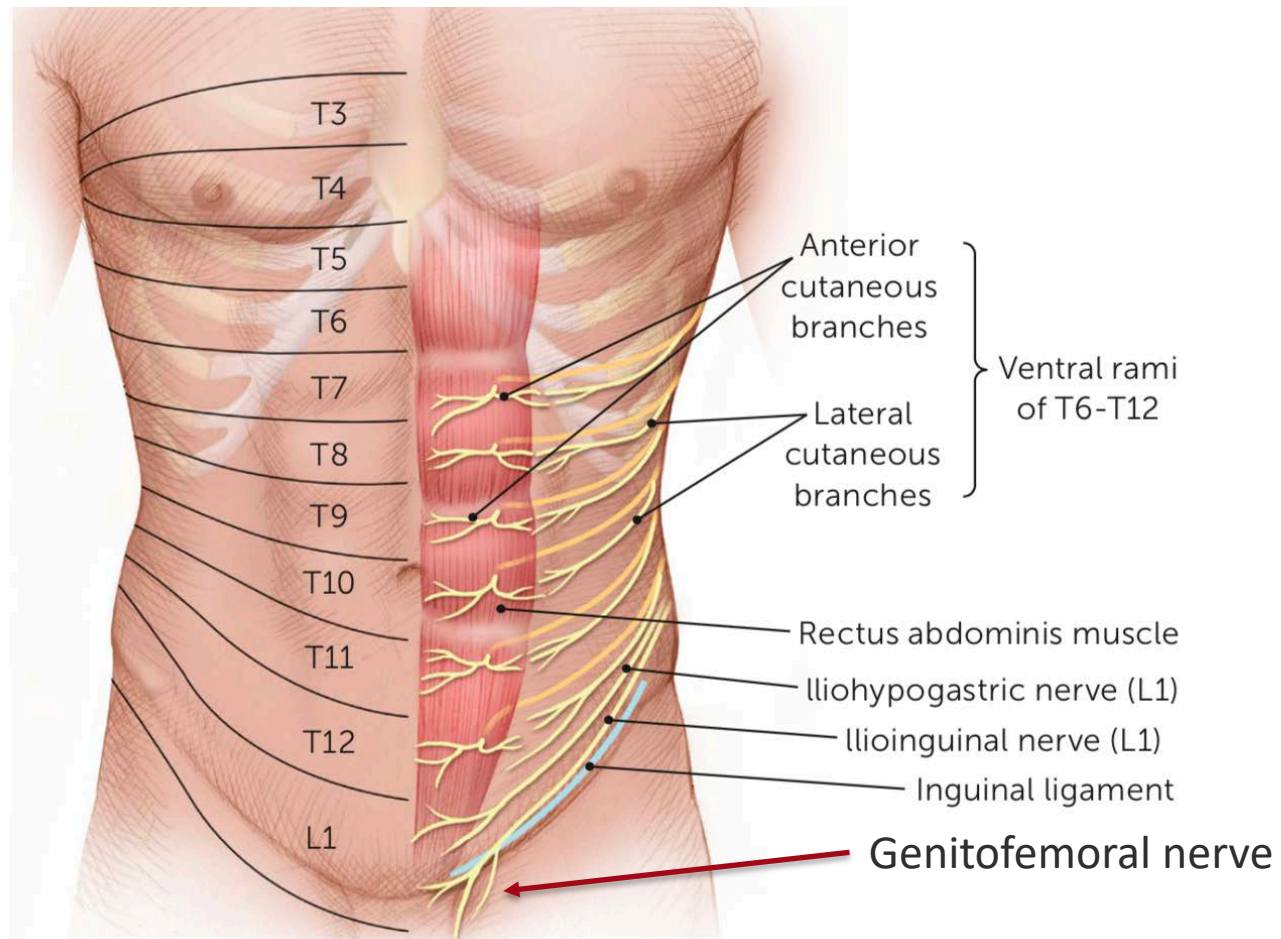
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Know your ablation zone

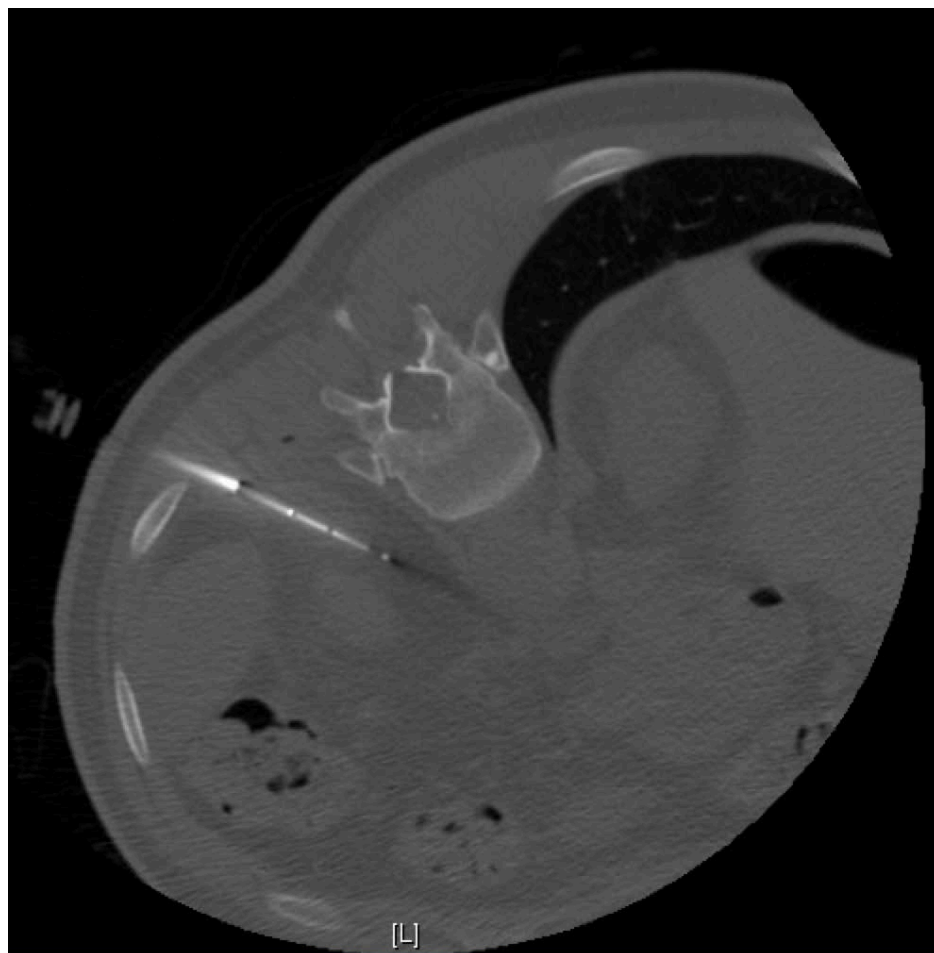
- **Be aware of burn back or freeze back**
- **Hydrodissect to protect**
- **If does happen 2 week course of**
 - **NSAID**
 - **Celebrex**
 - **Steroids**

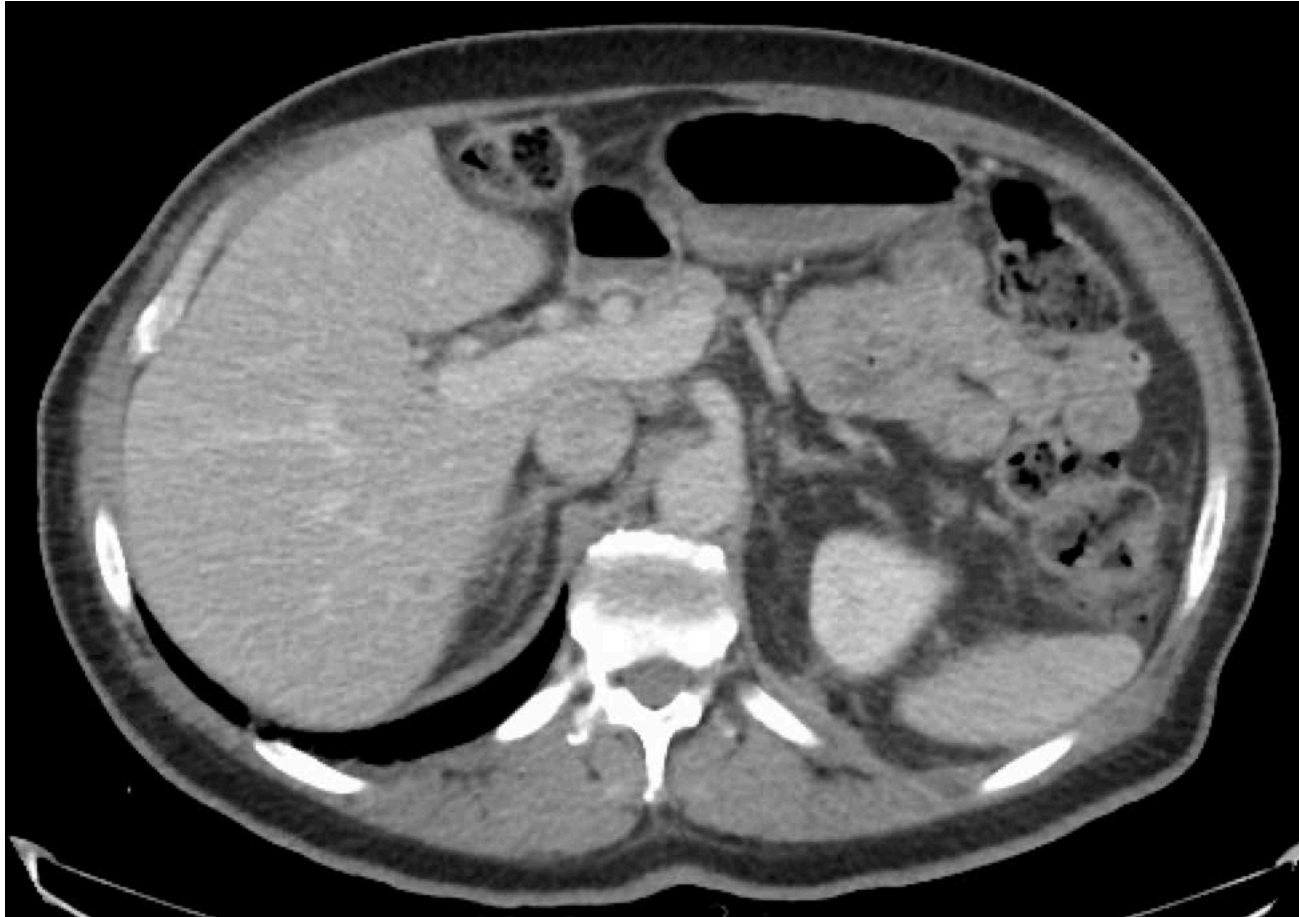


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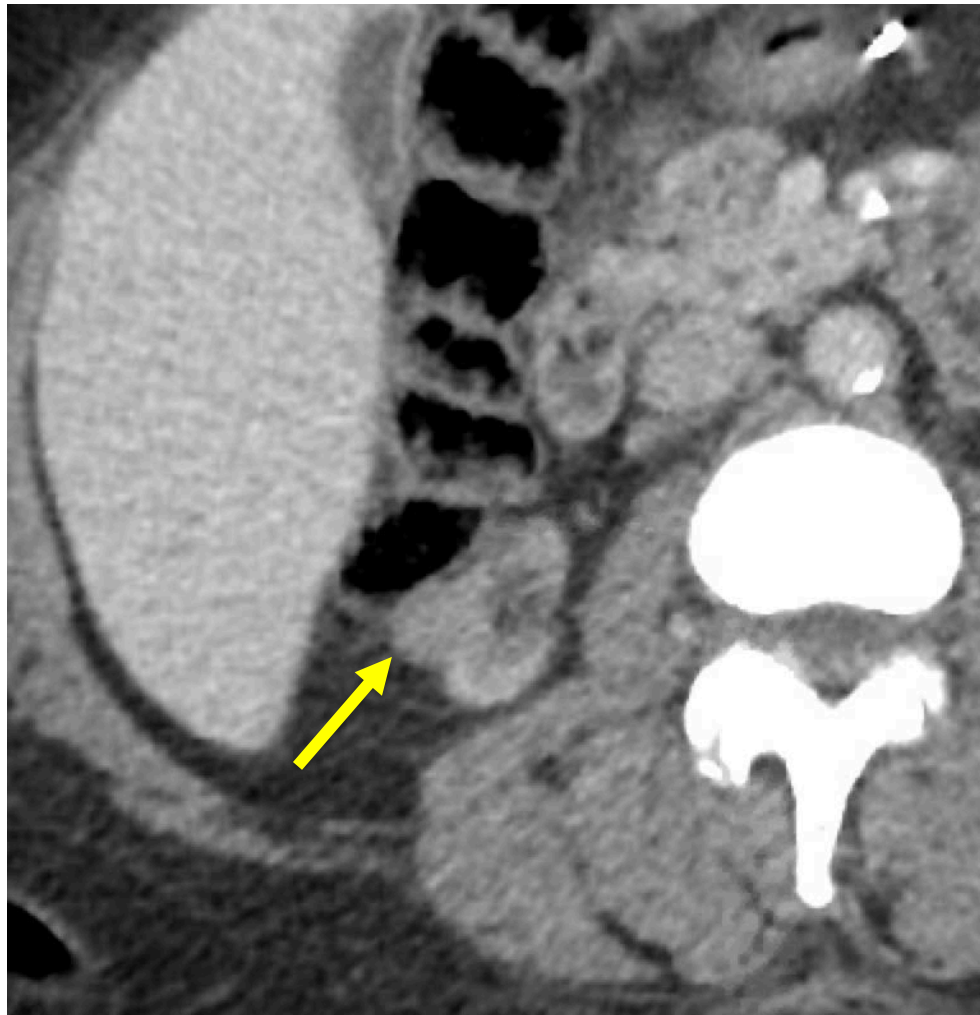


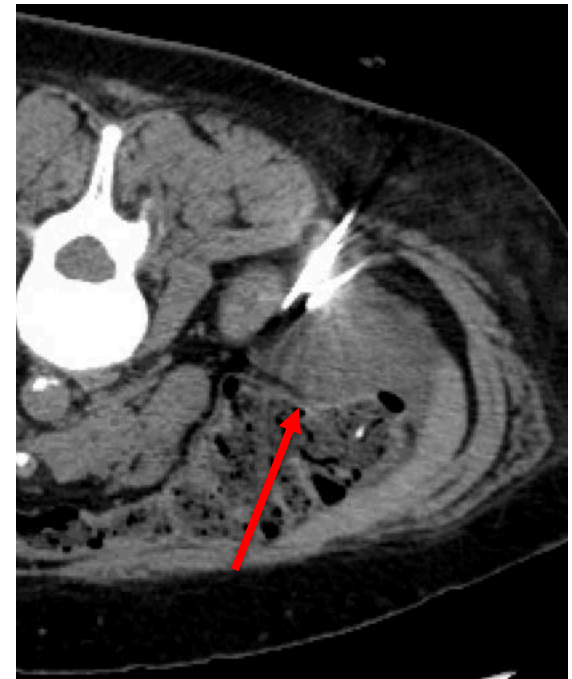
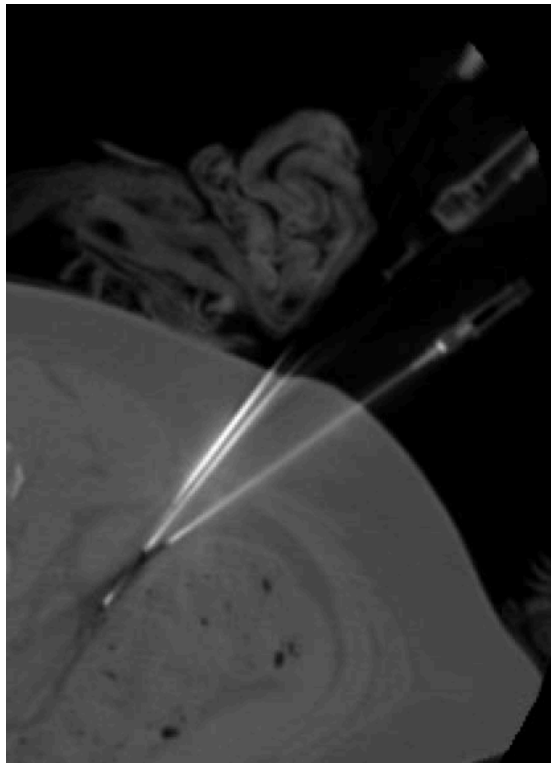
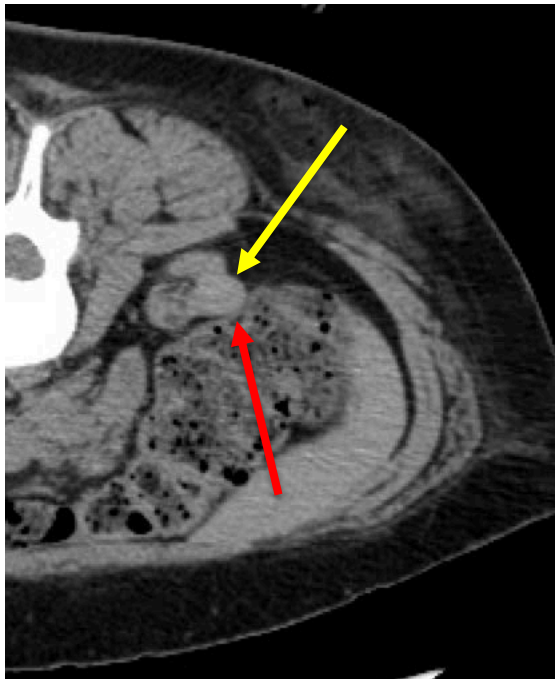
Ablation choice

- If can't hydrodissect off the nerve, rib, or diaphragm - cryoablation

5





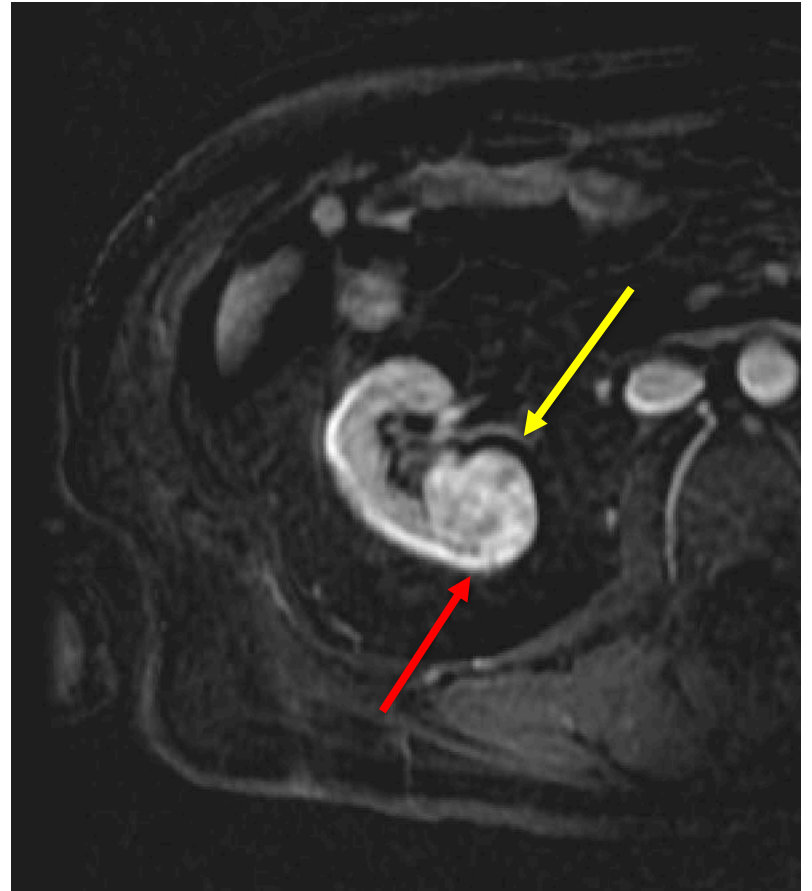
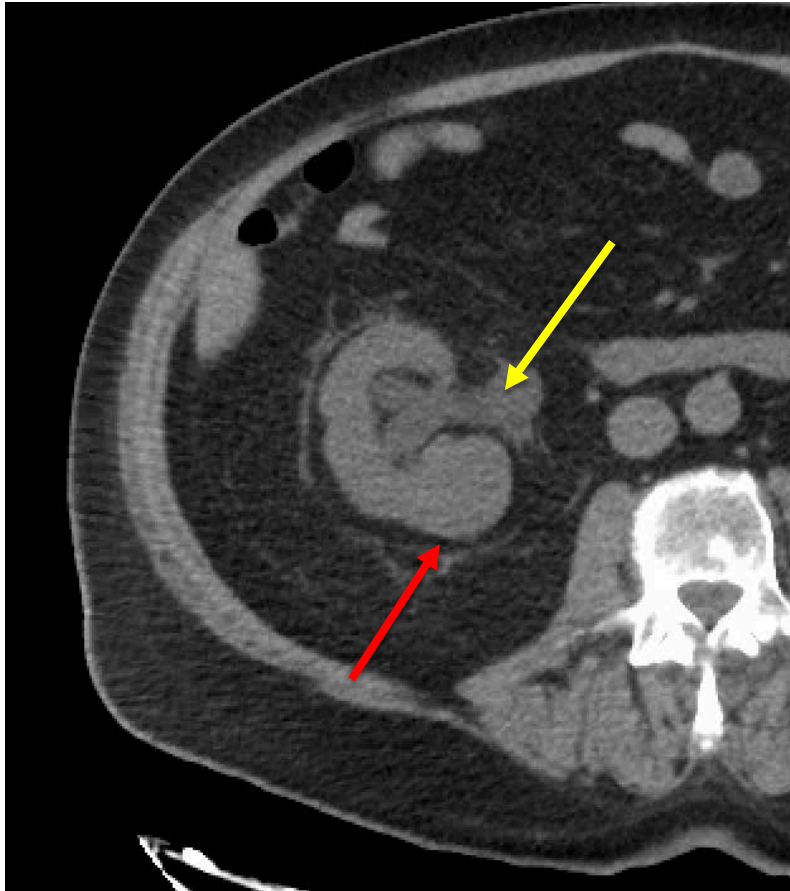


Hydrodissect

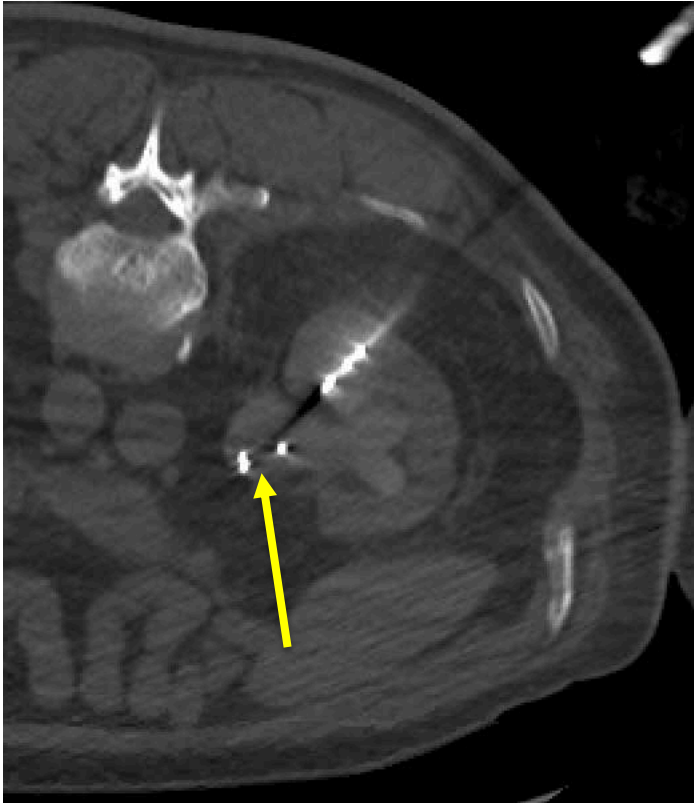
- **Hawkins 18 g needle or 5F Yueh**
- **D5 water**
- **Needle or catheter needs to be within perirenal fat (within Gerota's fascia)**

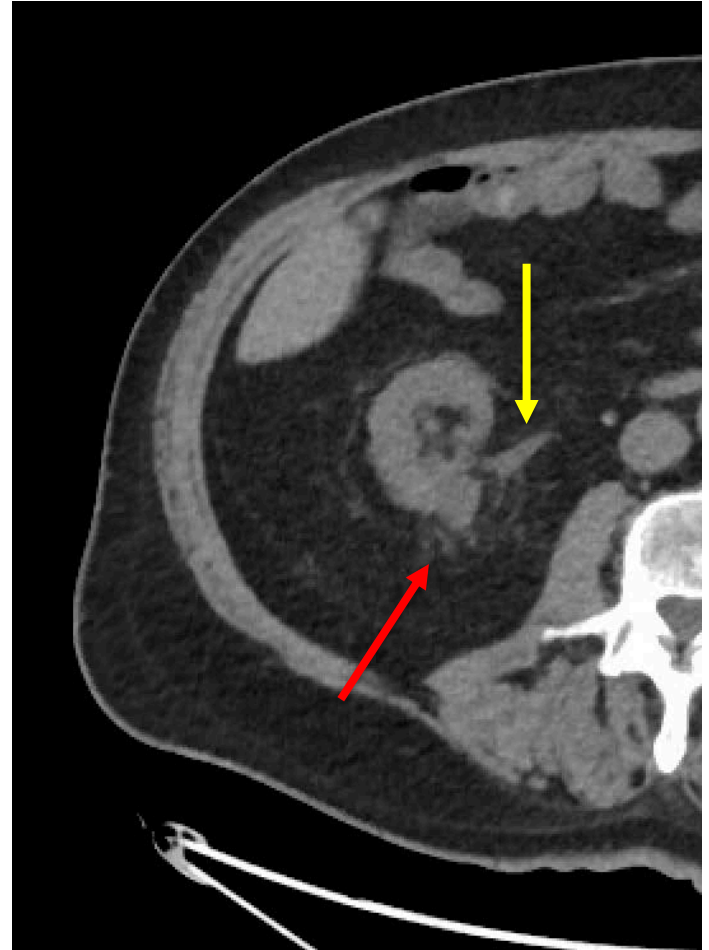
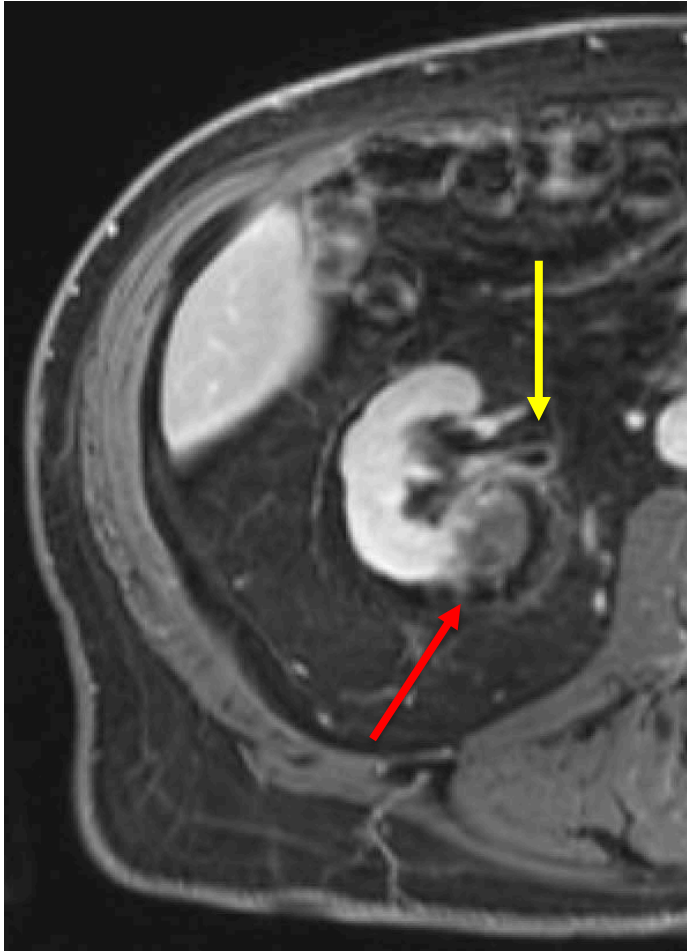
6





Protection of the ureteral with ureteral stenting





Protect the collecting system/ureter

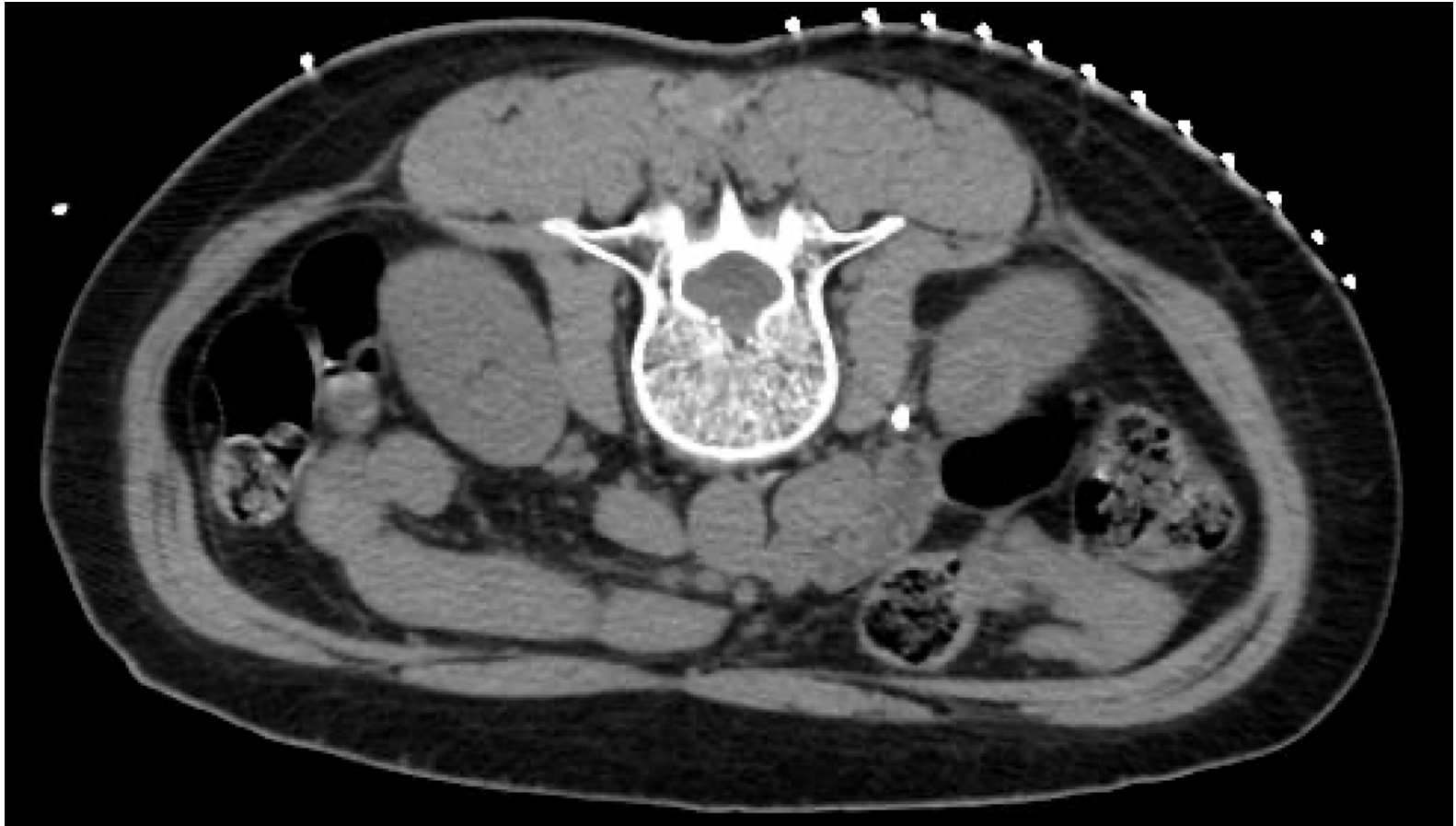
- **Placement of ureteral stent (+/- pyeloperfusion)**
- **Stent stays in 8 weeks**
- **Understand the ablation probe zone of ablation with relation to probe**

7

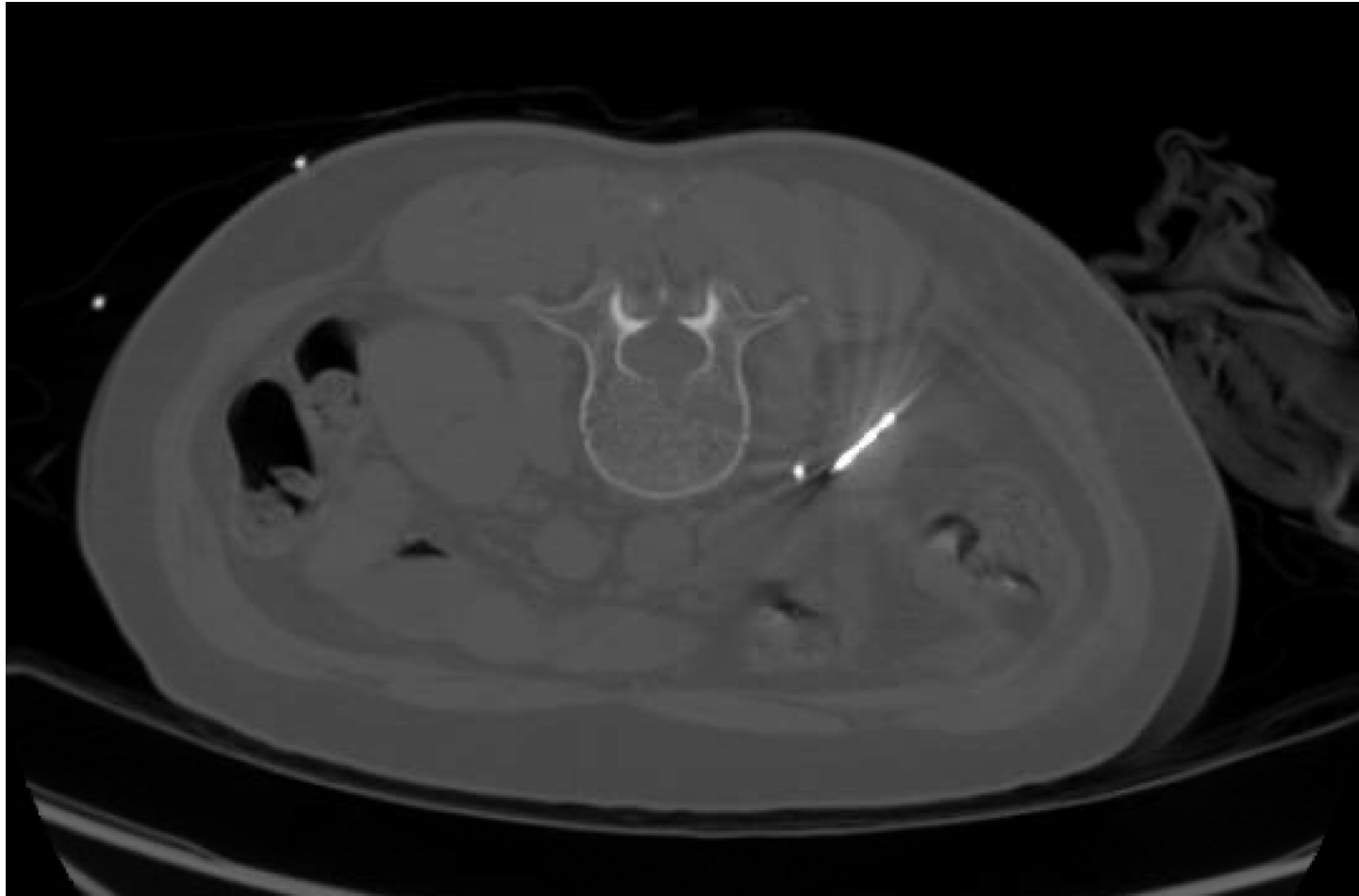




Ablation



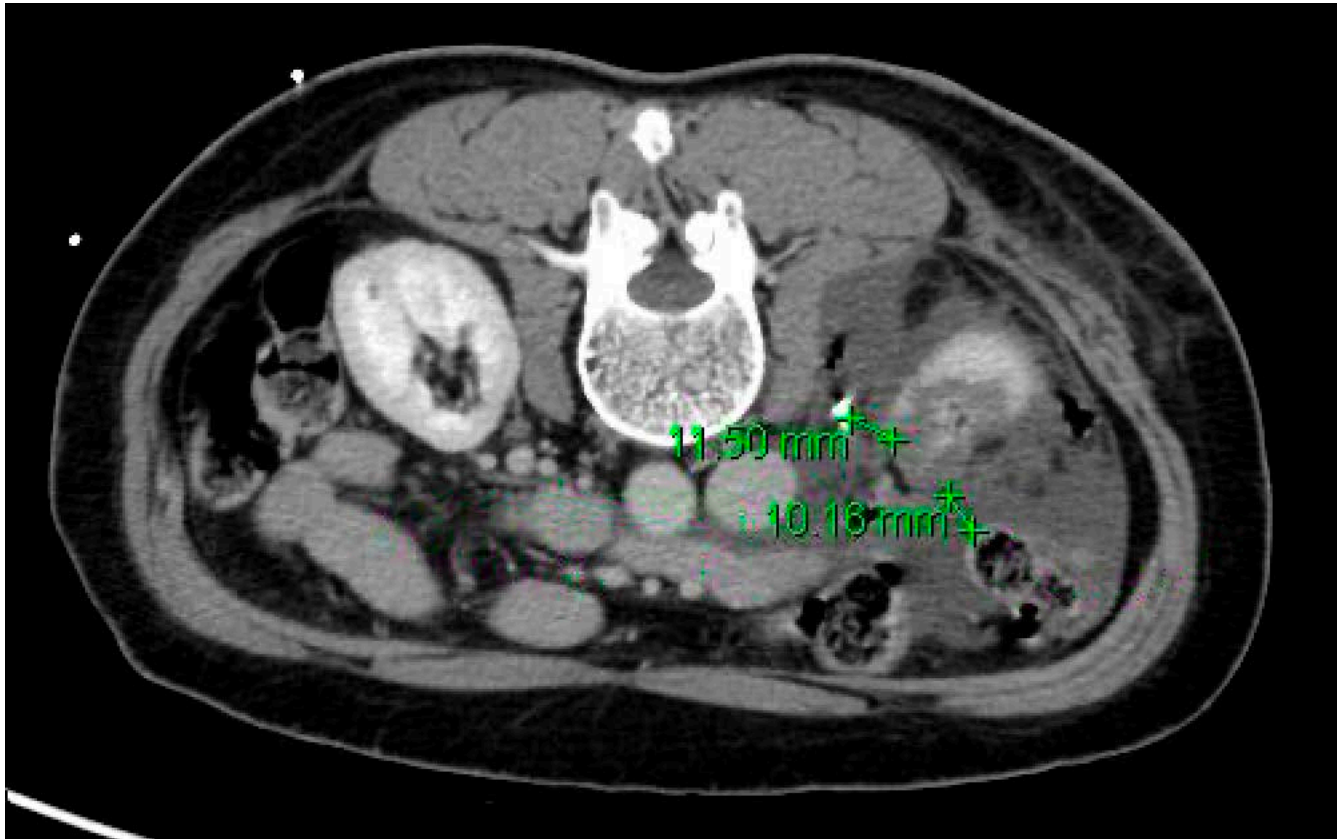
Place the probe first.
Then stick...



18 Gauge Hawkins







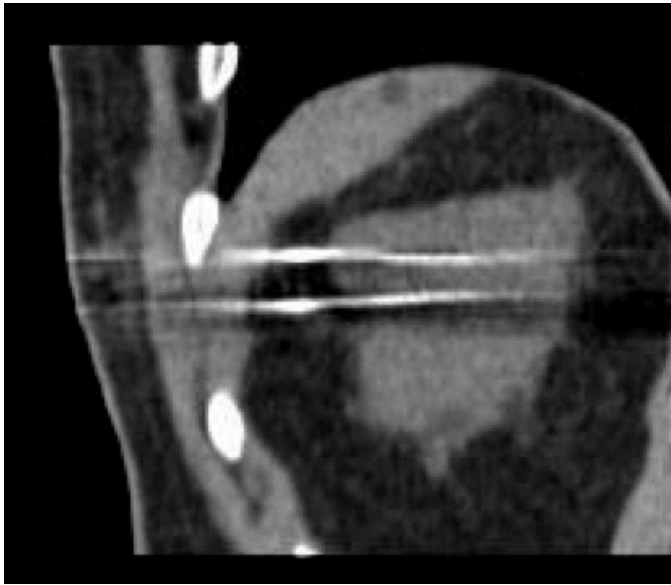
Use all our IR tools



8

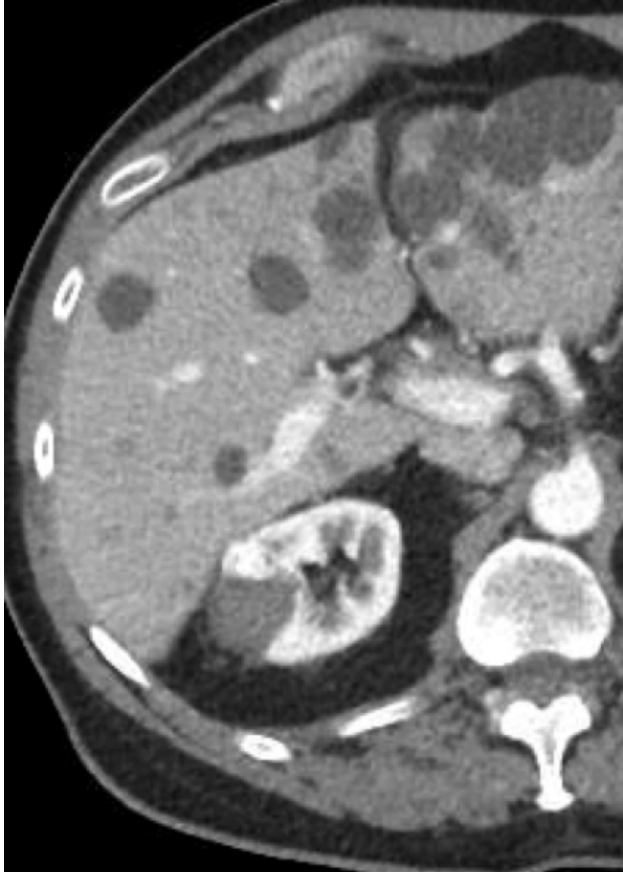






Immediately Post Ablation

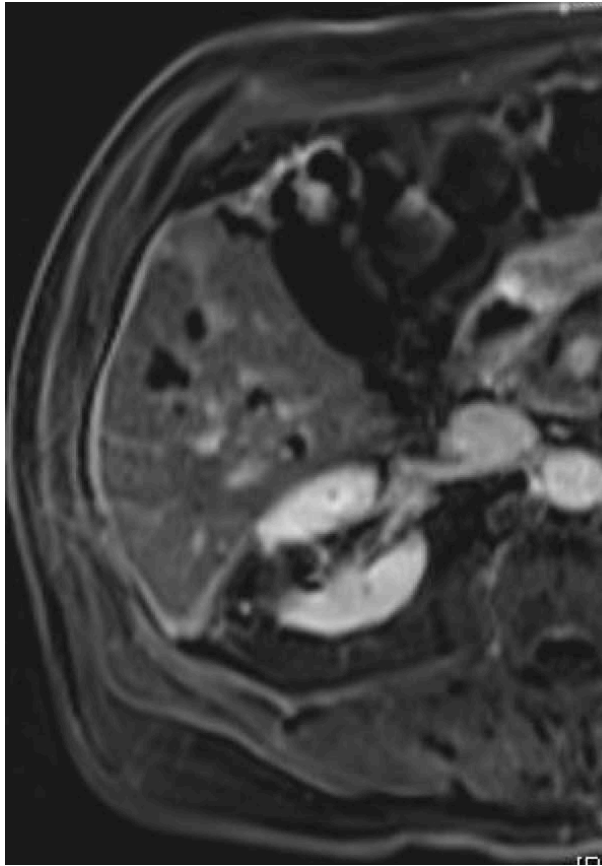




Repeat MWA



1 year follow up

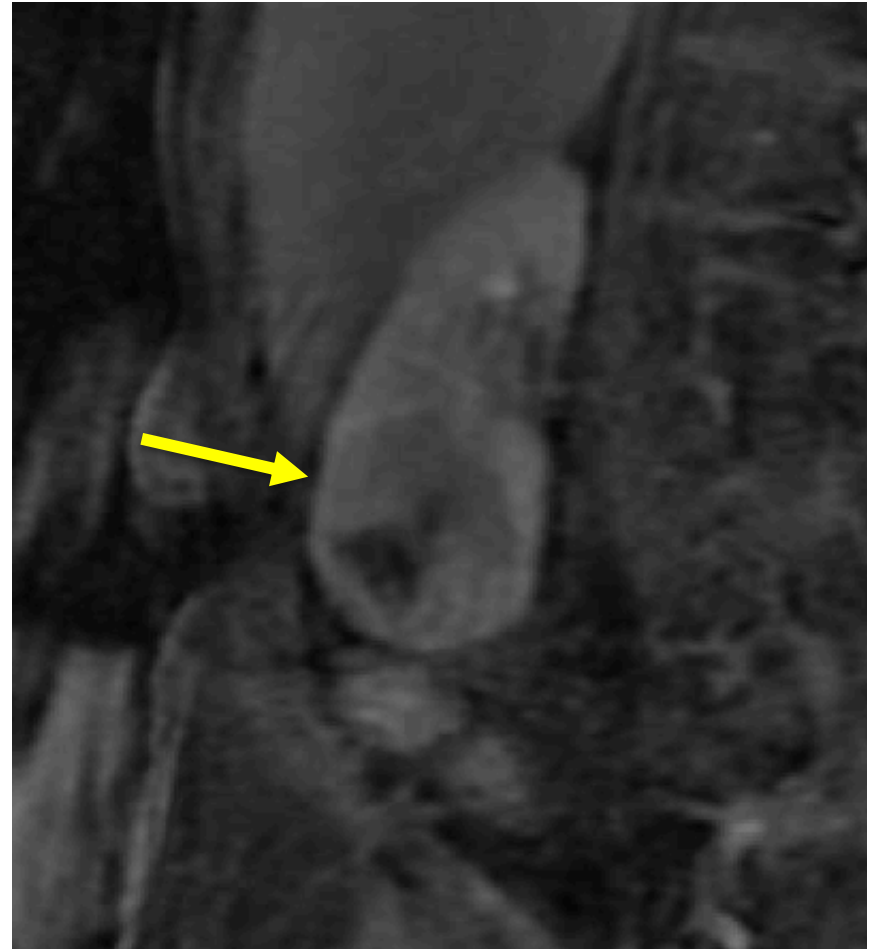


Repeat ablation

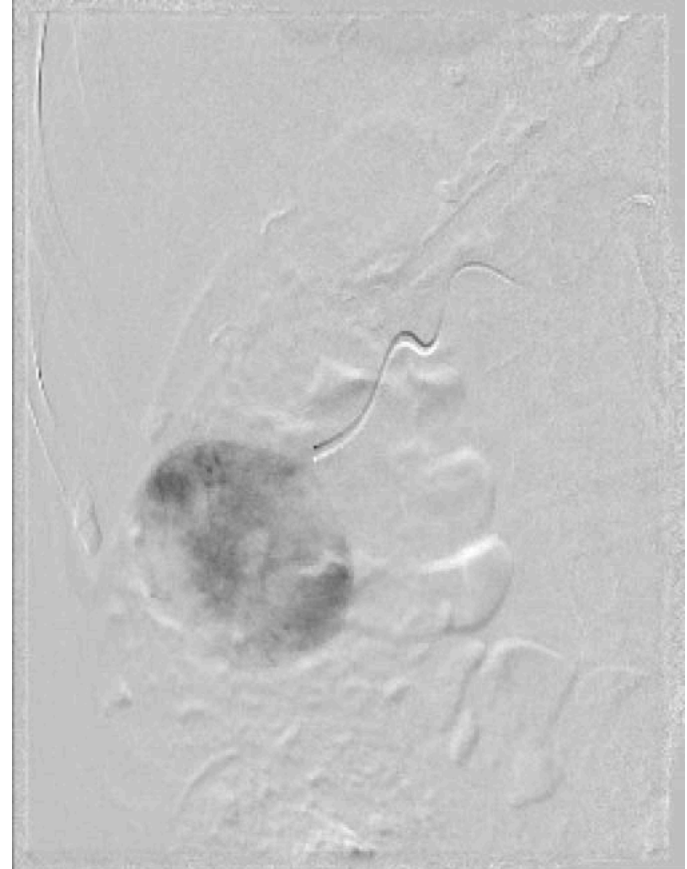
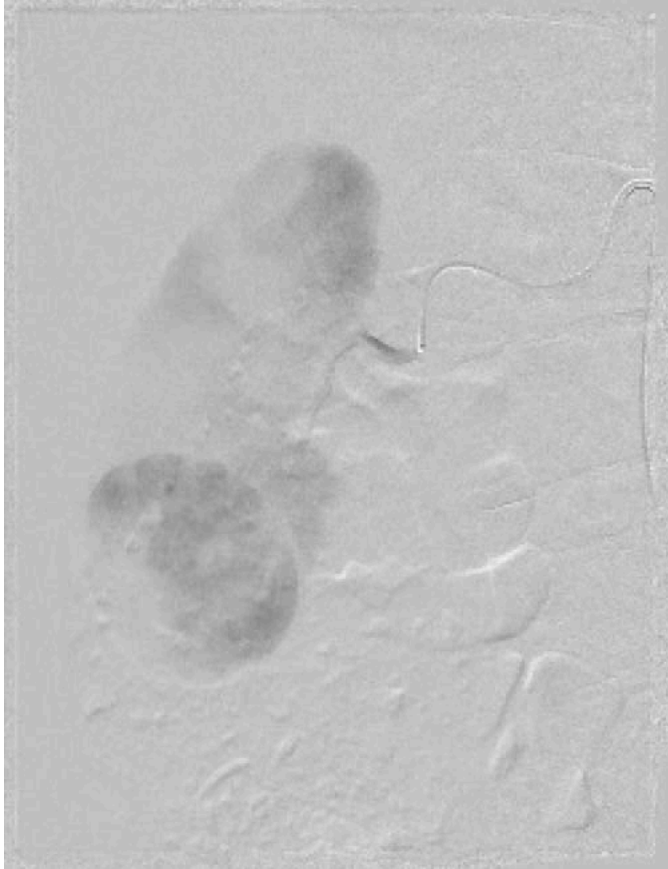
- **No significant increase in difficulty**

9

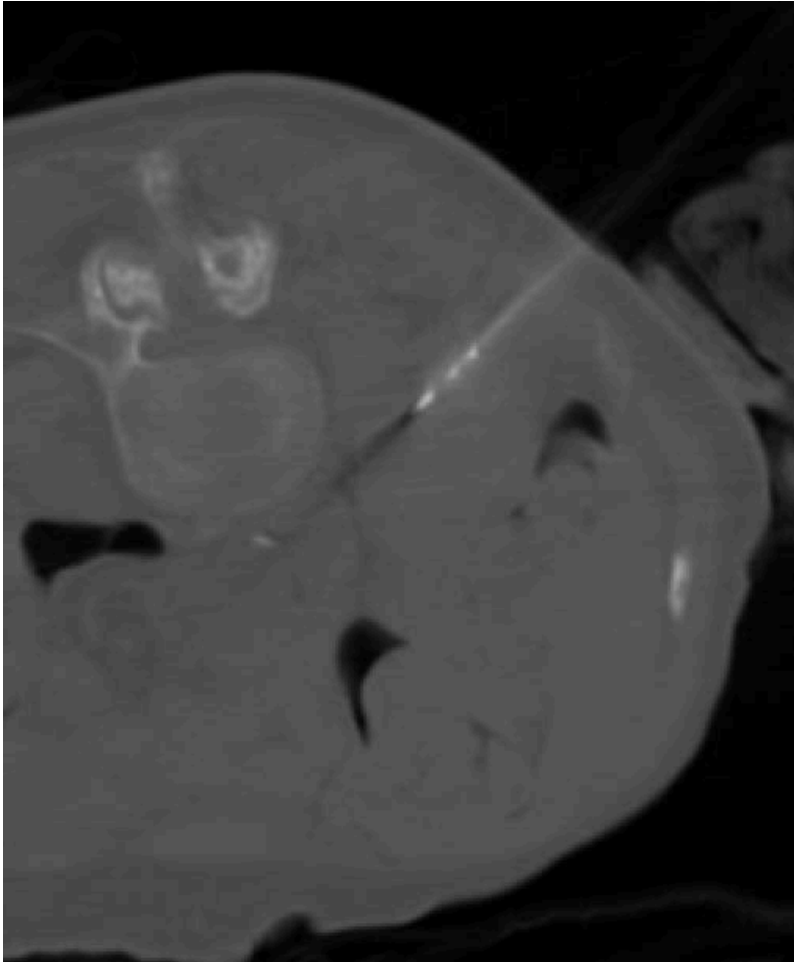




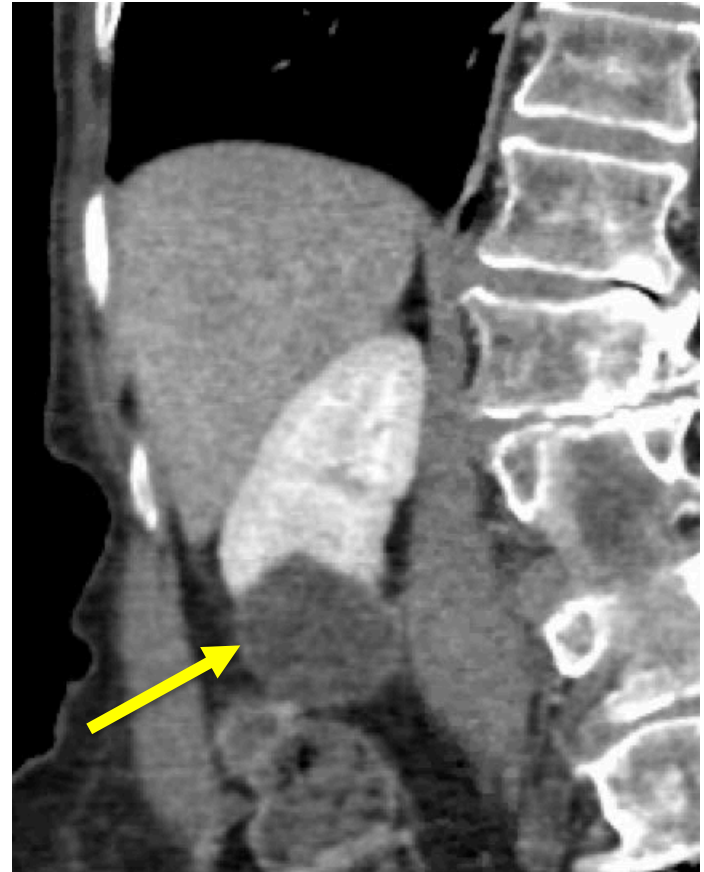
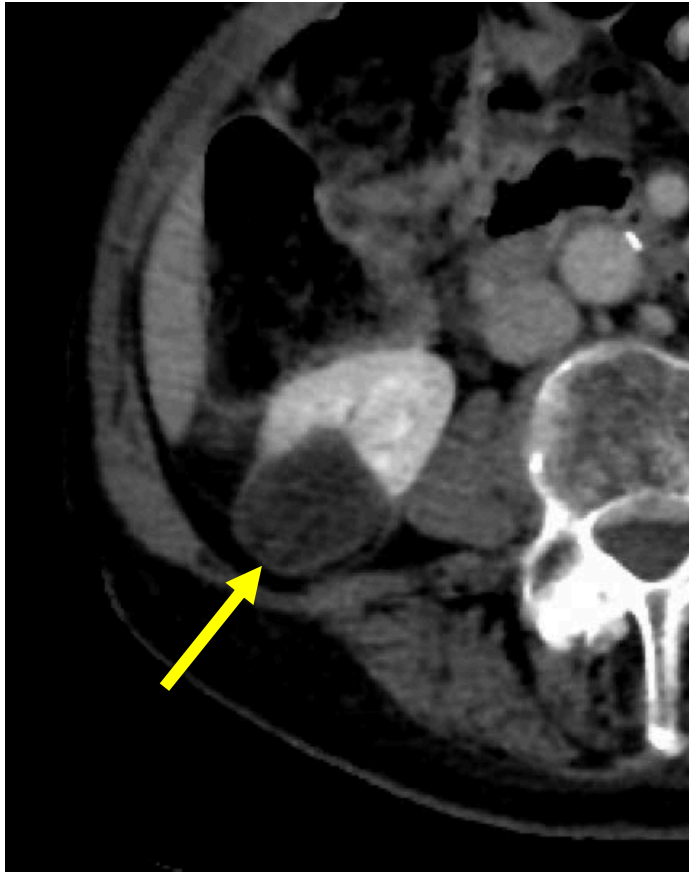
Selective Embo-ablation



Selective Embo-ablation

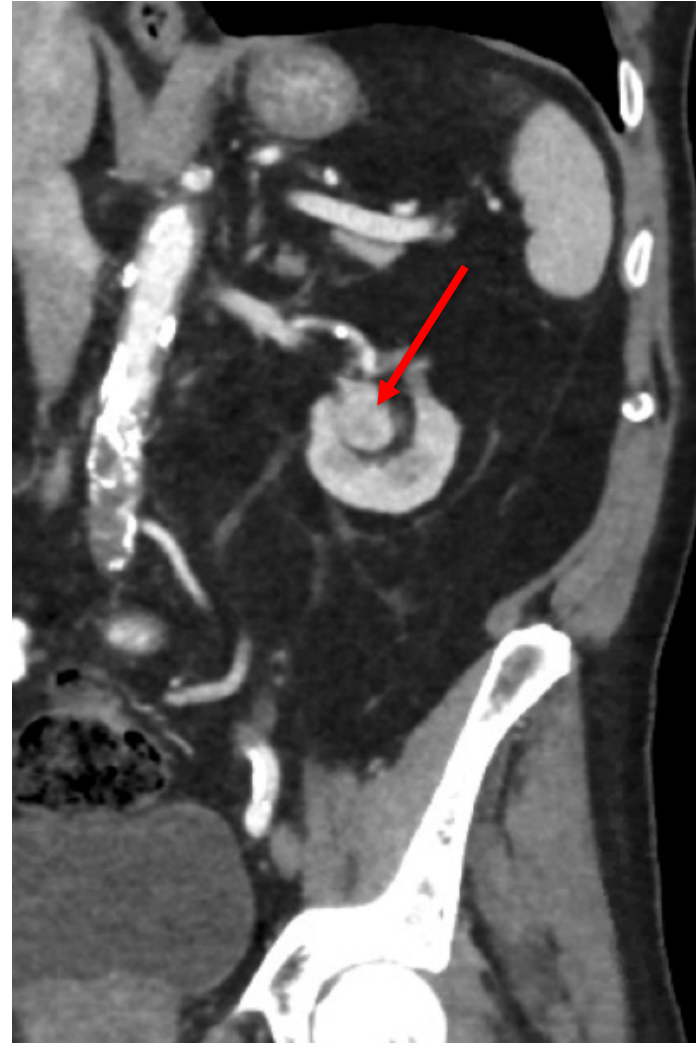
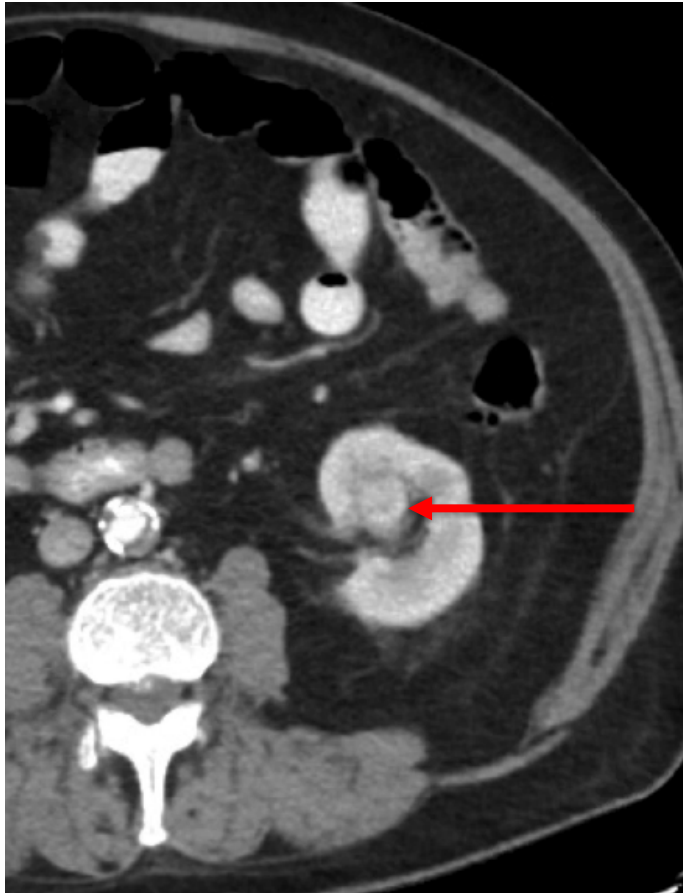


12 month follow up

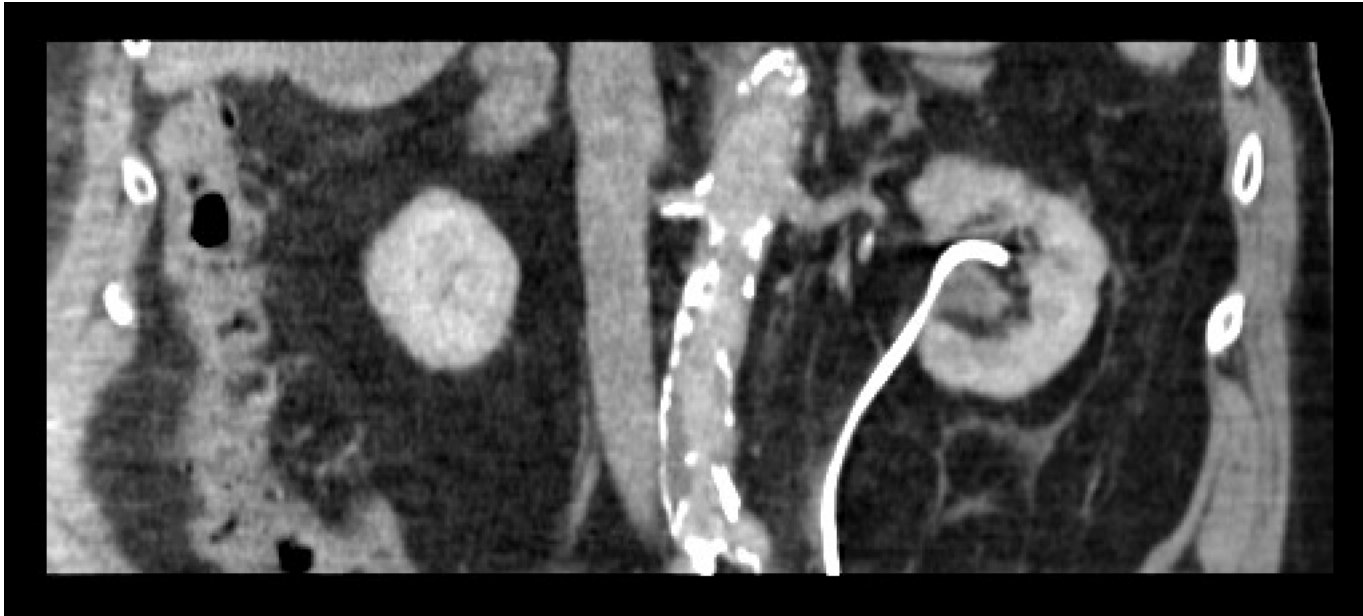


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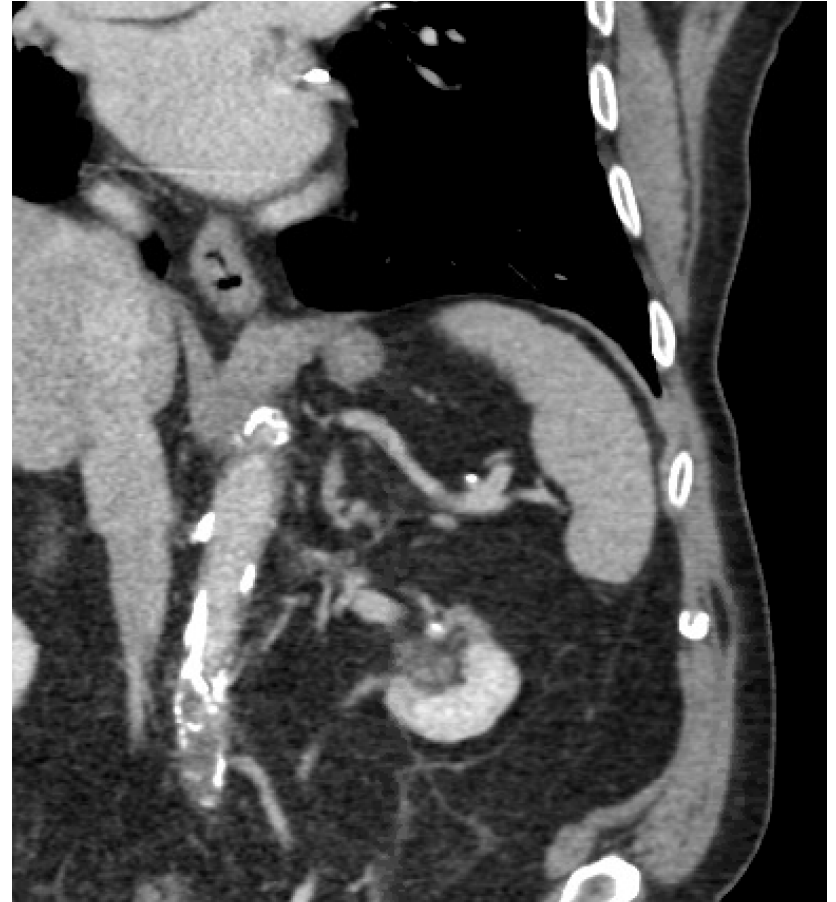
Benefit of ureteral stenting



Underwent pre-operative ureteral stent placement to protect collecting system



Subsequent follow up



Save the kidney

- **Don't shy away from difficult ablations especially if only treatment option will be nephrectomy**

THANK YOU

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