

TOP 10 CLINICAL AND TECHNICAL PEARLS

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Disclosures

- Terumo
- Johnson and Johnson
- General Electric

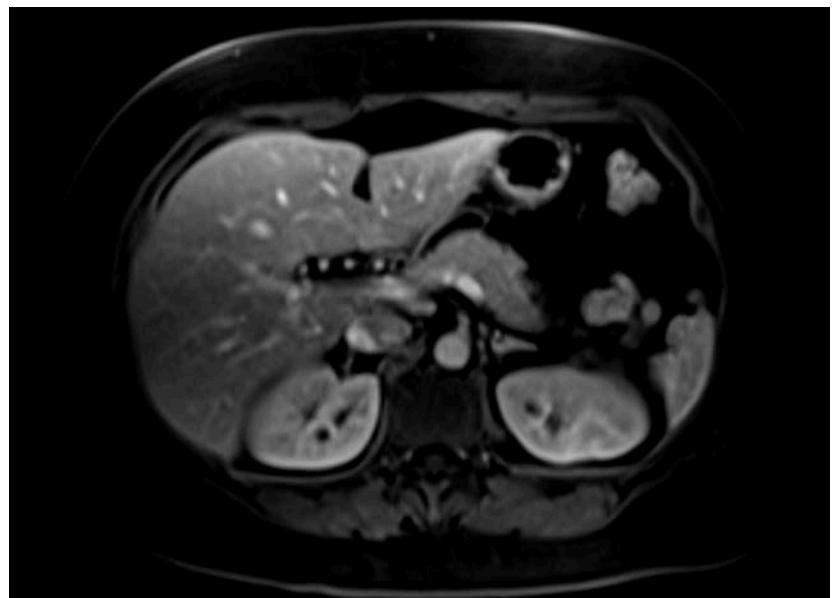
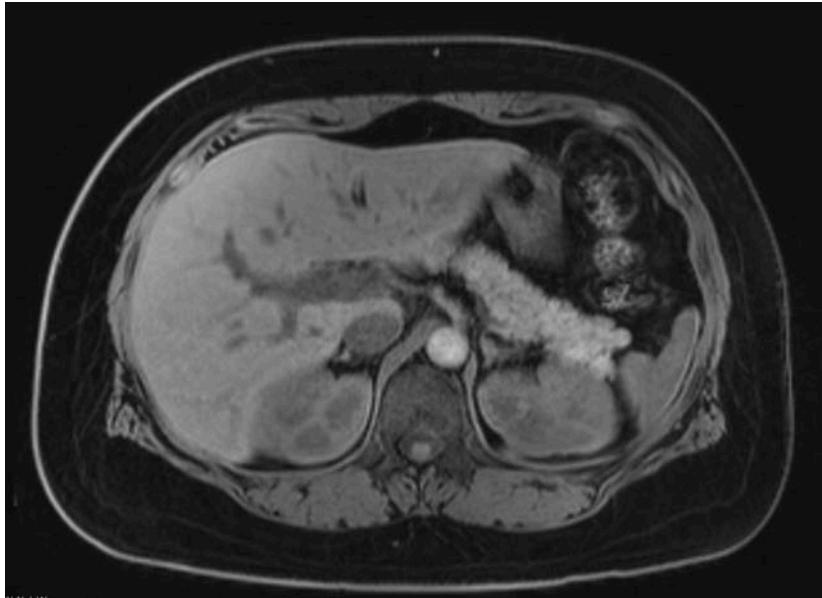


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Repeat imaging at 3 months



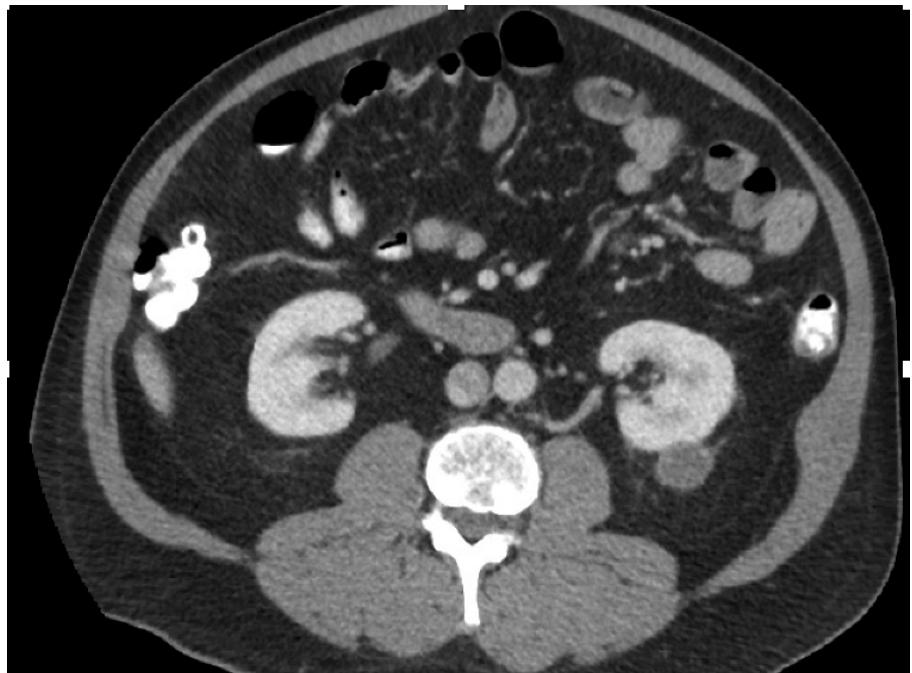
Surveillance

- 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

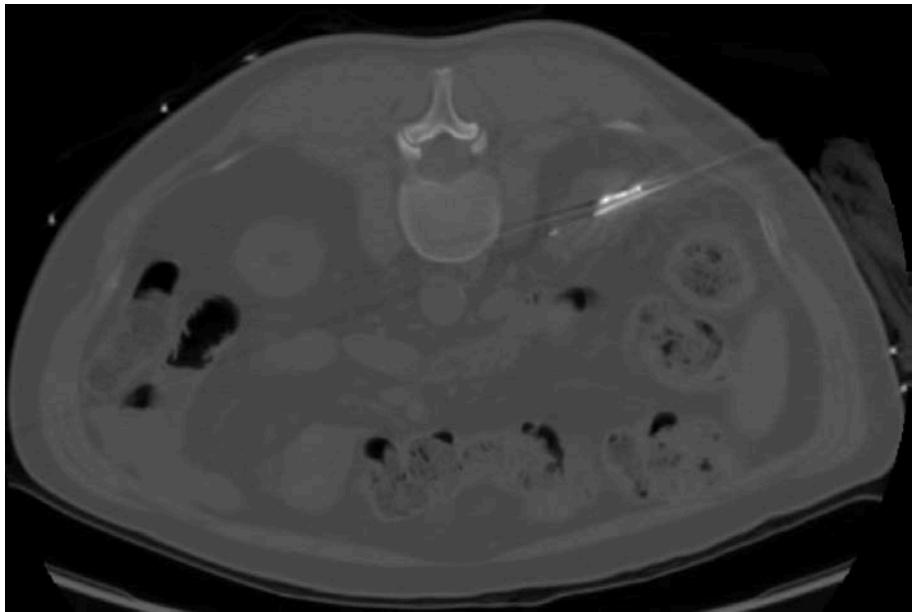
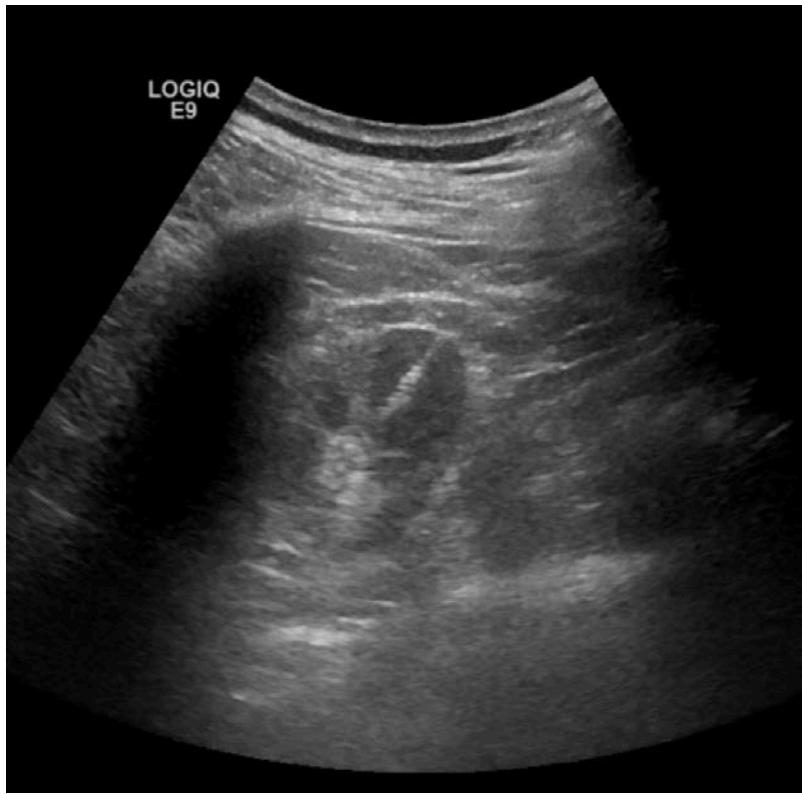




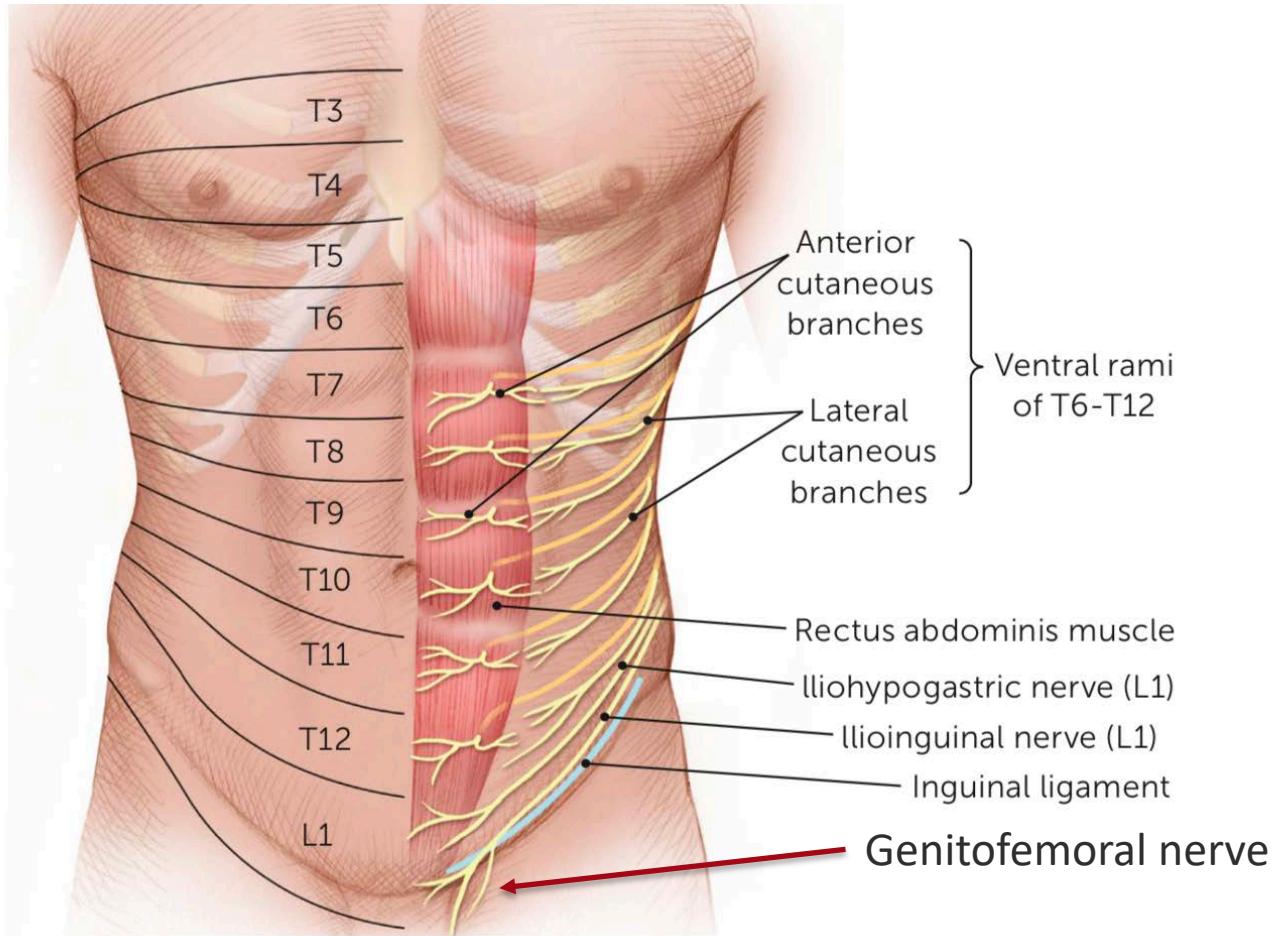
3











Know your ablation zone

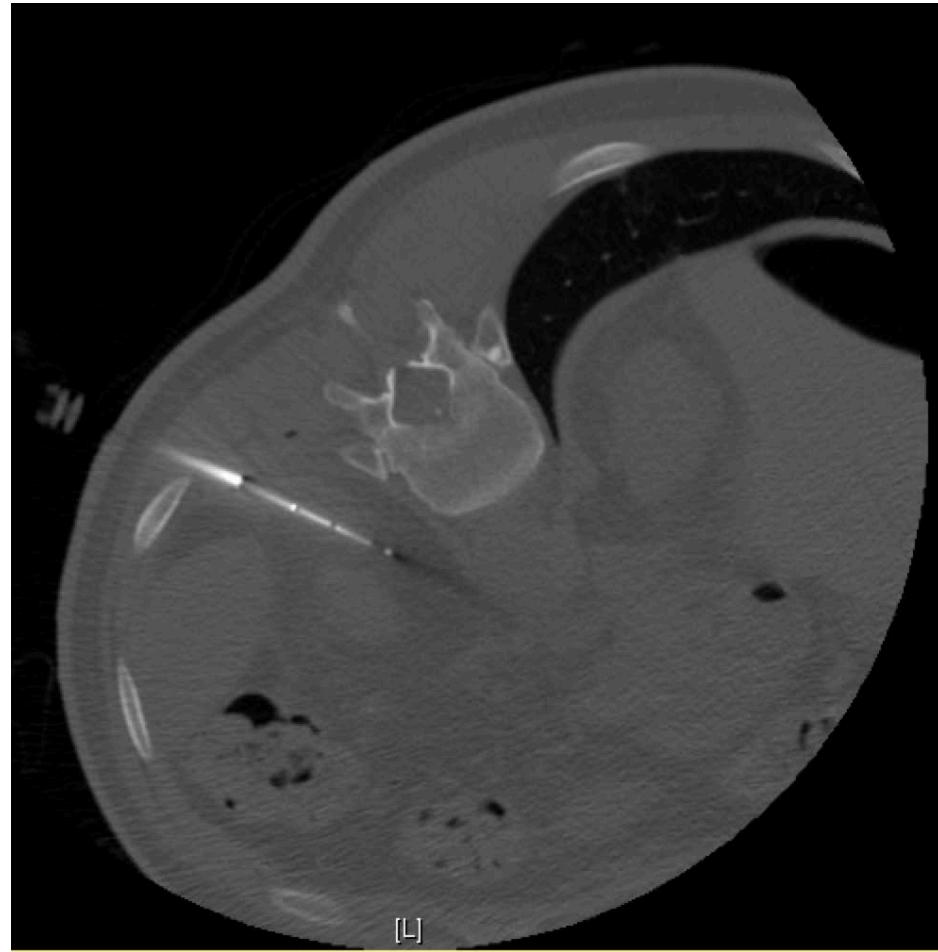
- Be aware of burn back or freeze back
- Hydrodissect to protect
- If does happen 2 week course of
 - NSAID
 - Celebrex
 - Steroids

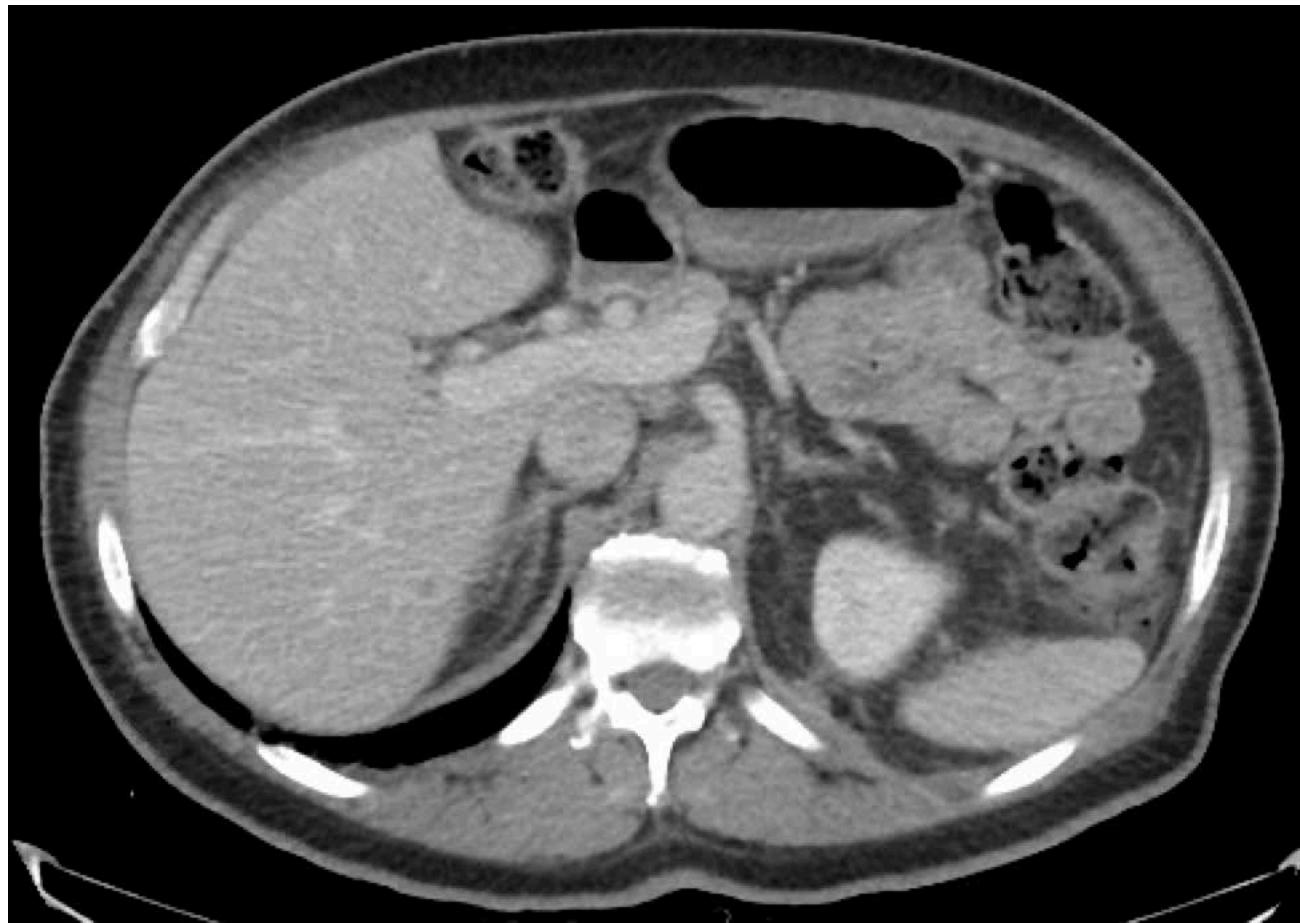


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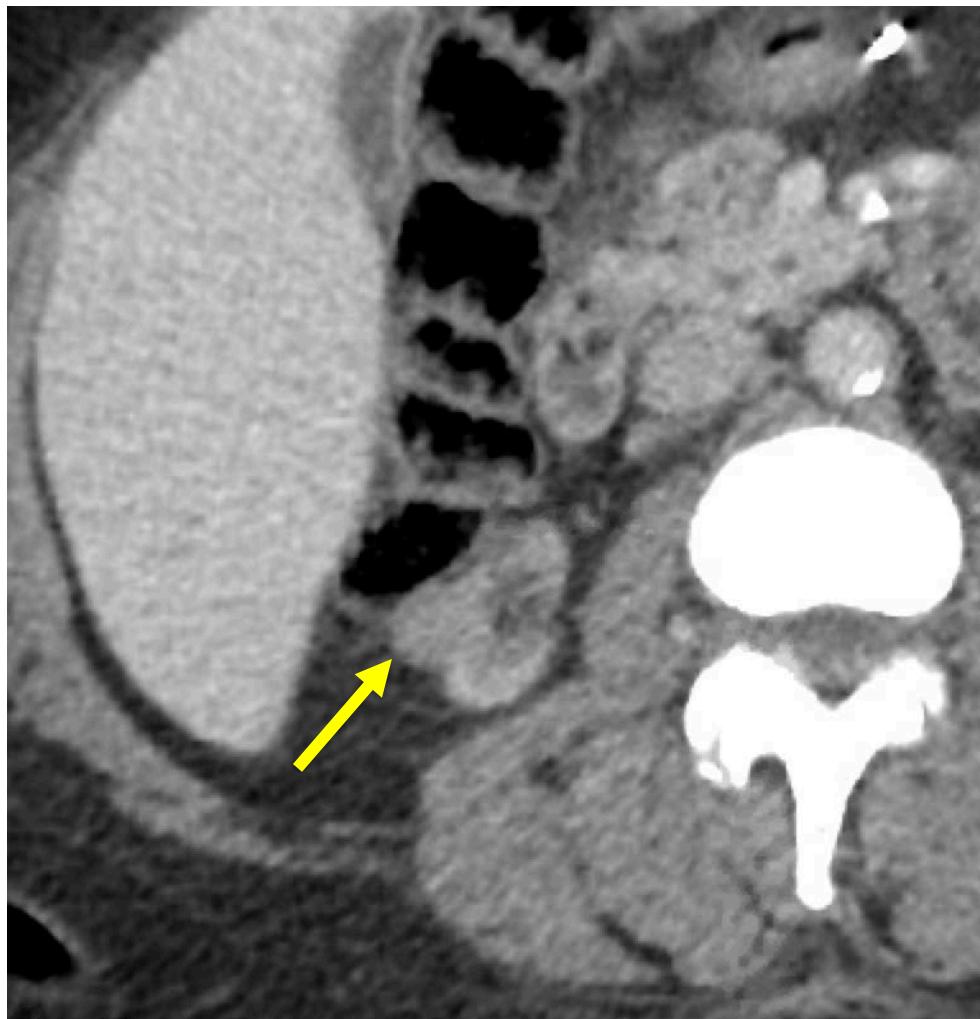
Ablation choice

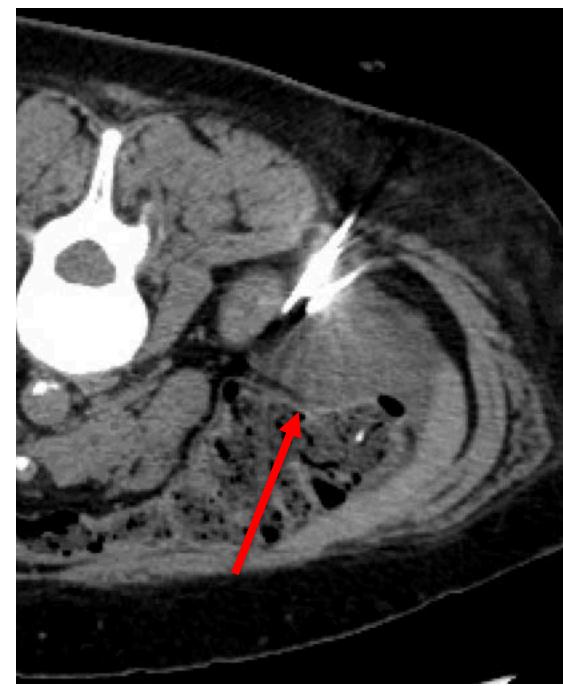
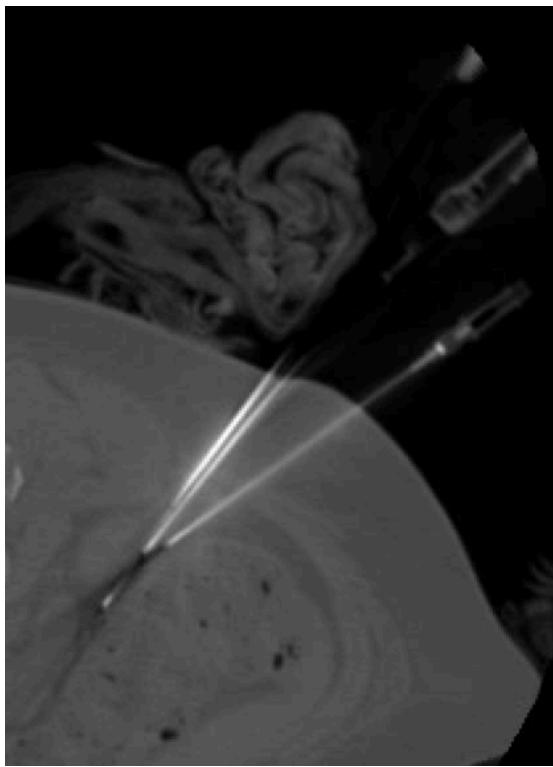
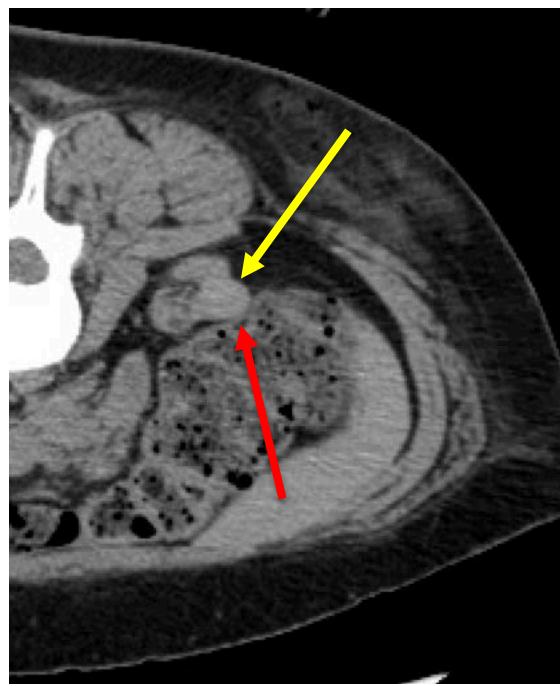
- If can't hydrodissect off the nerve, rib, or diaphragm - cryoablation



5







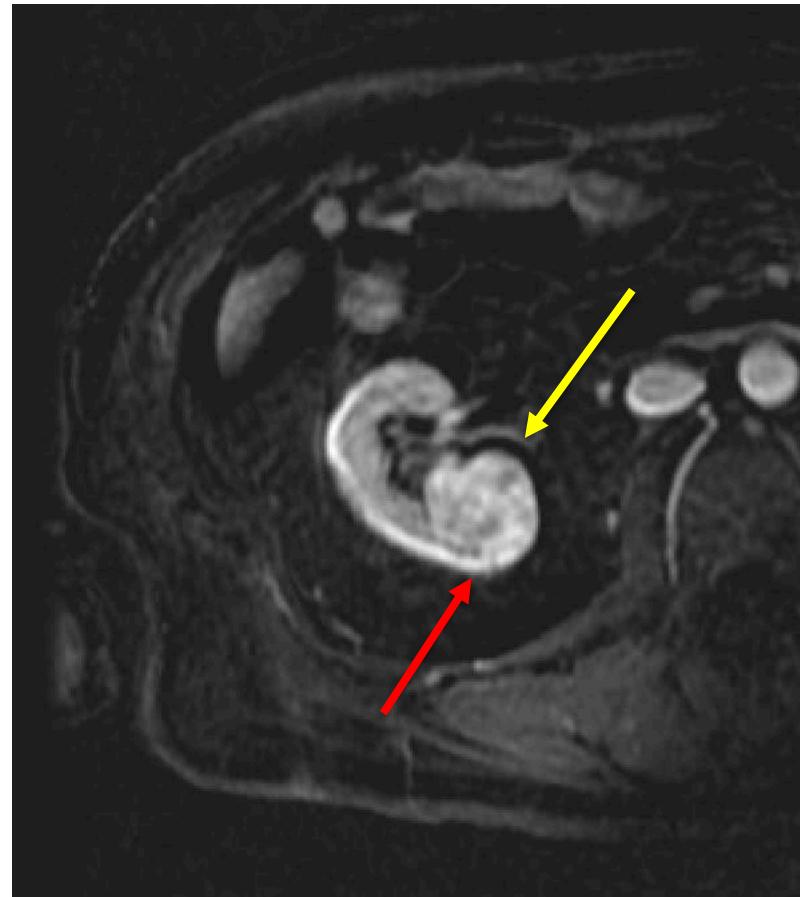
Hydrodissect

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

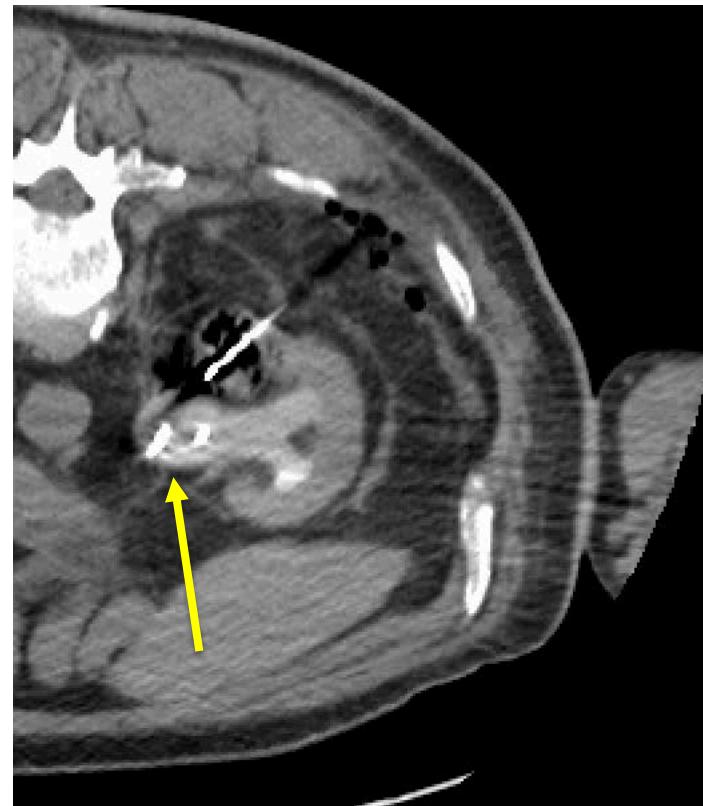
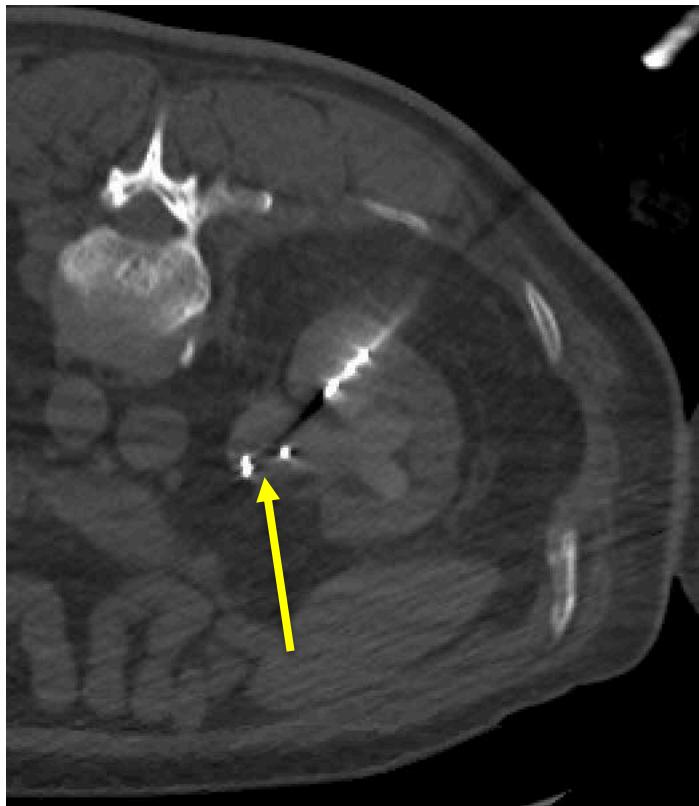


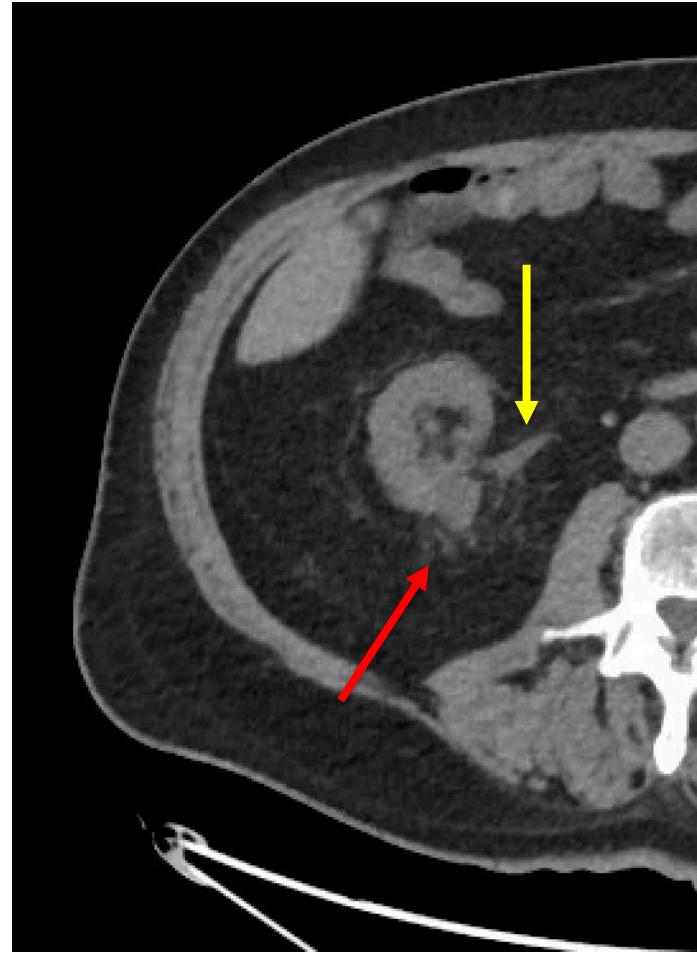
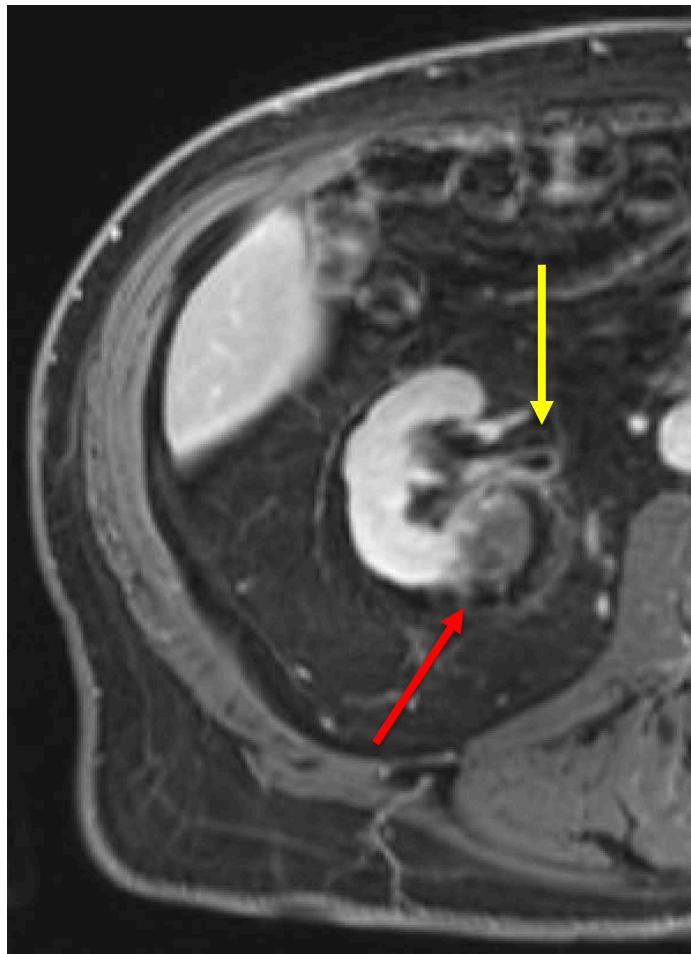
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Protection of the ureteral with ureteral stenting





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

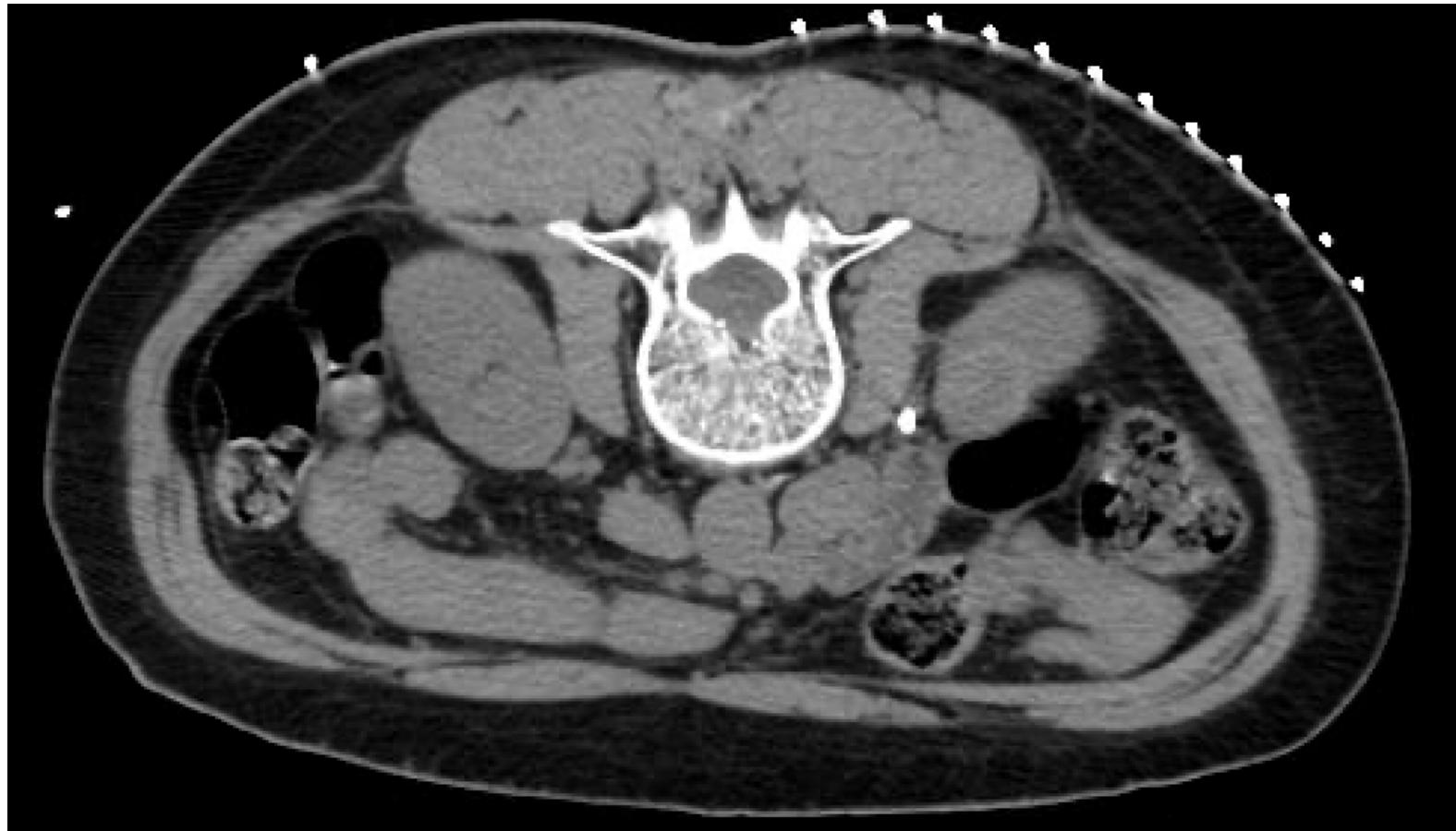


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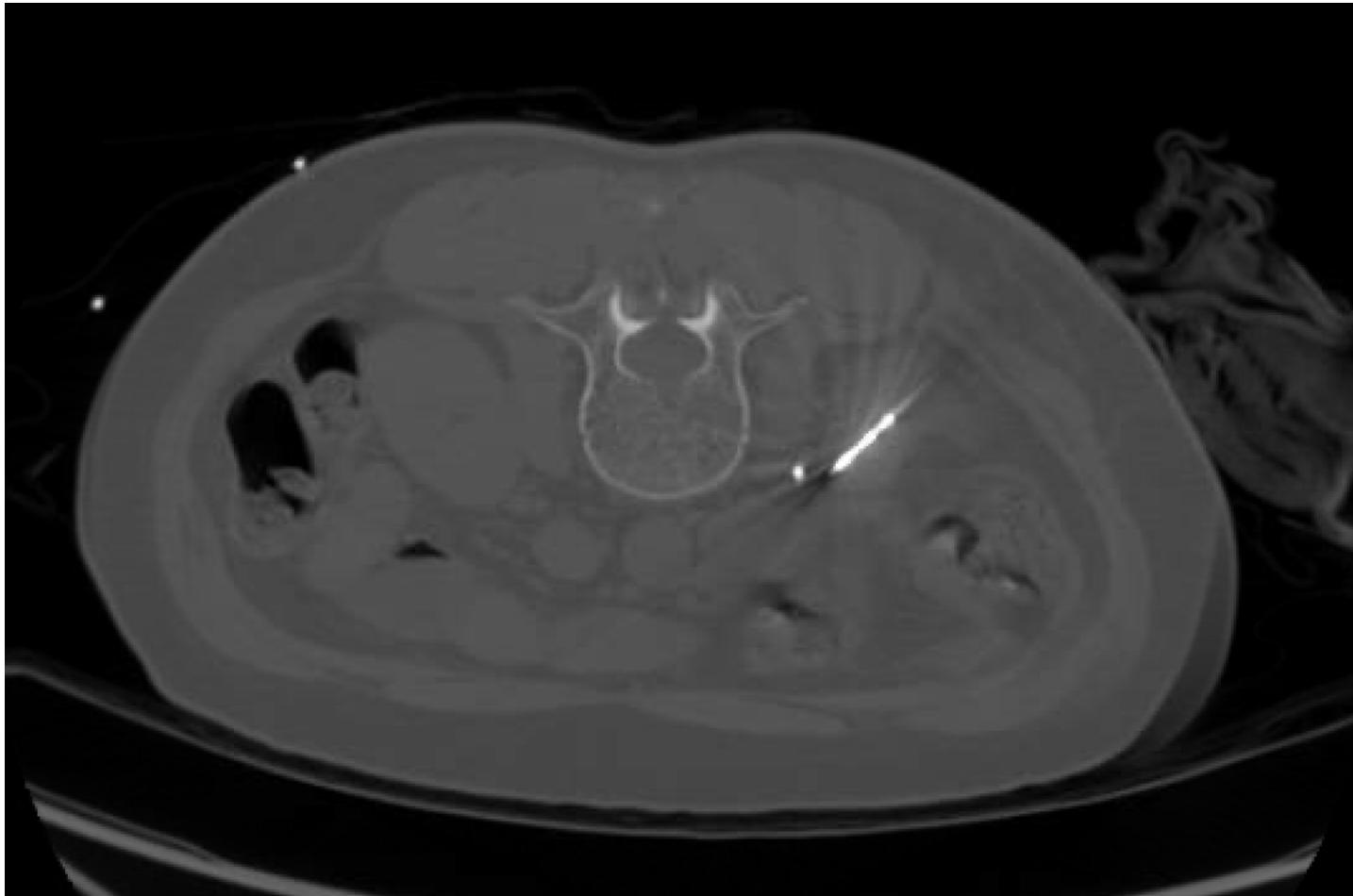


Ablation

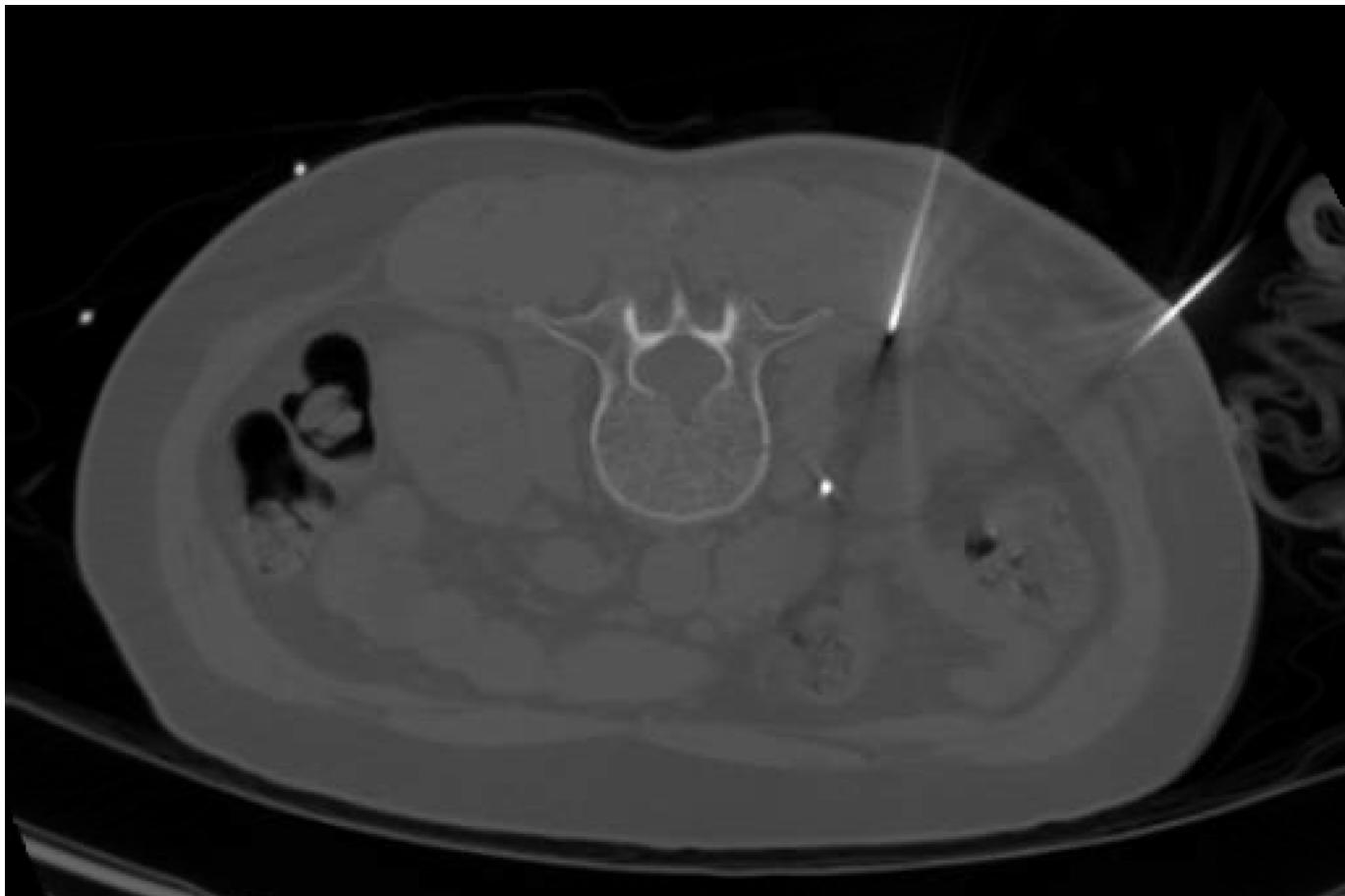


Place the probe first.

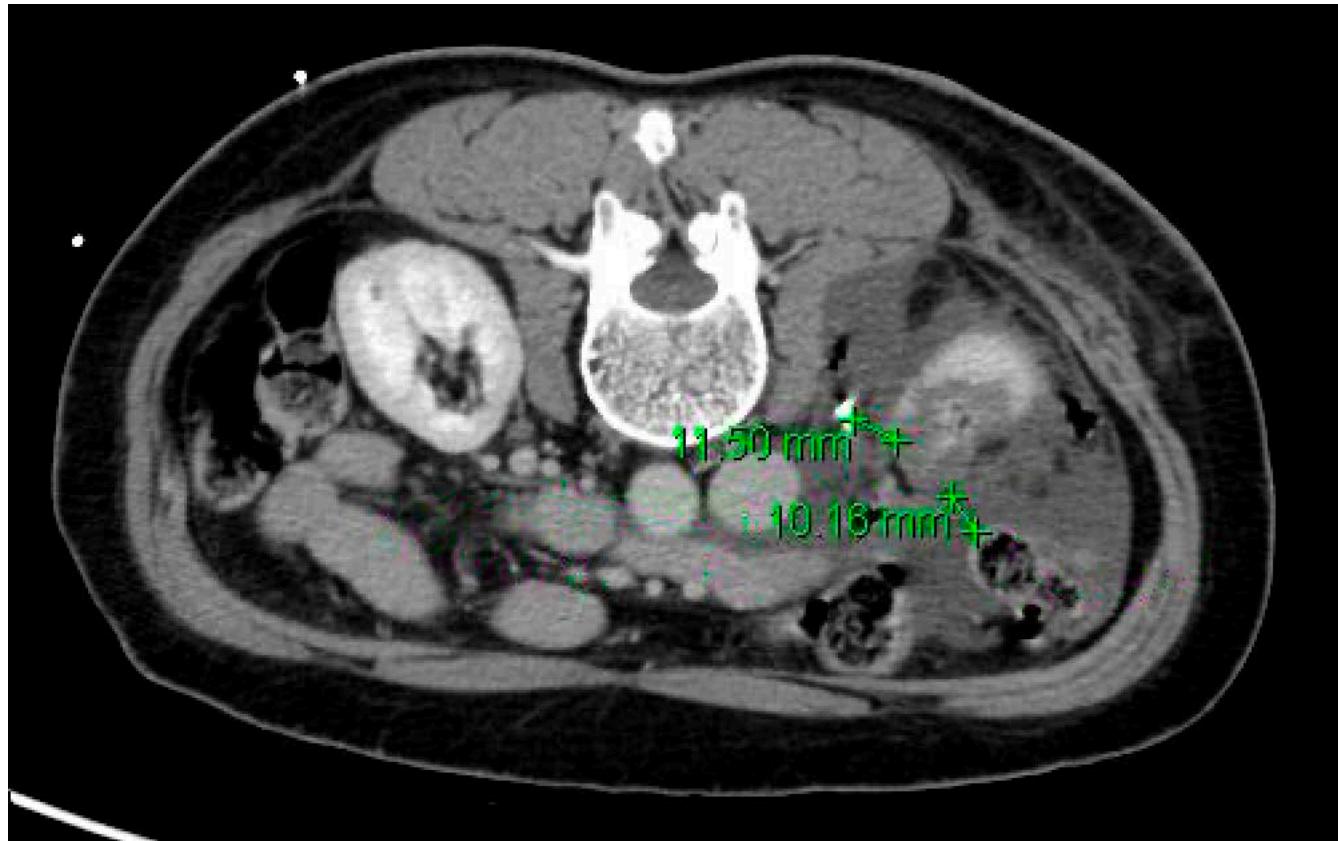
Then stick...



18 Gauge Hawkins







Use all our IR tools

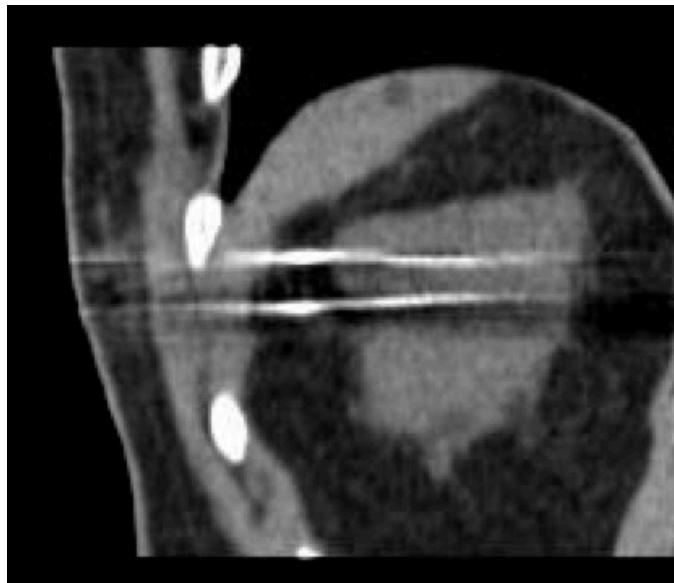




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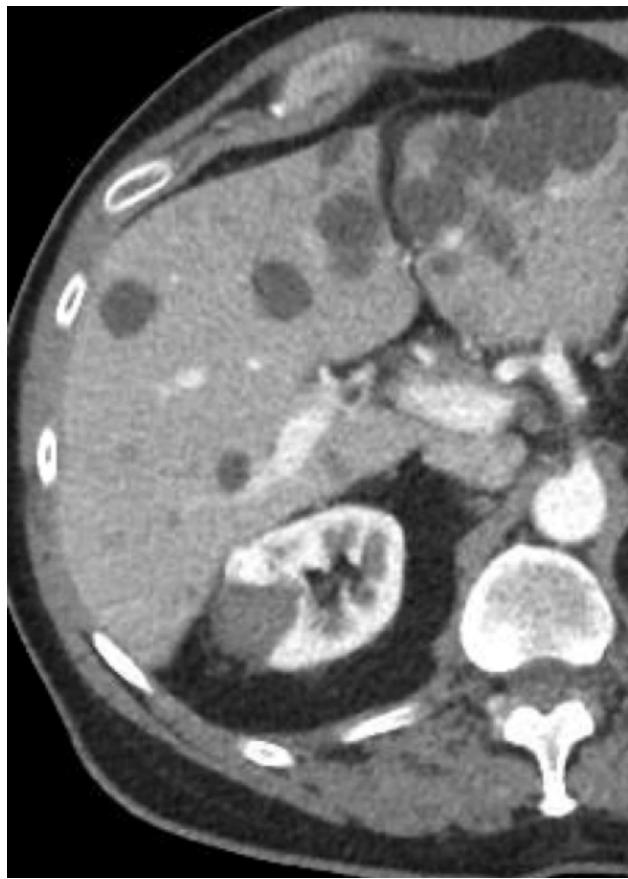






Immediately Post Ablation

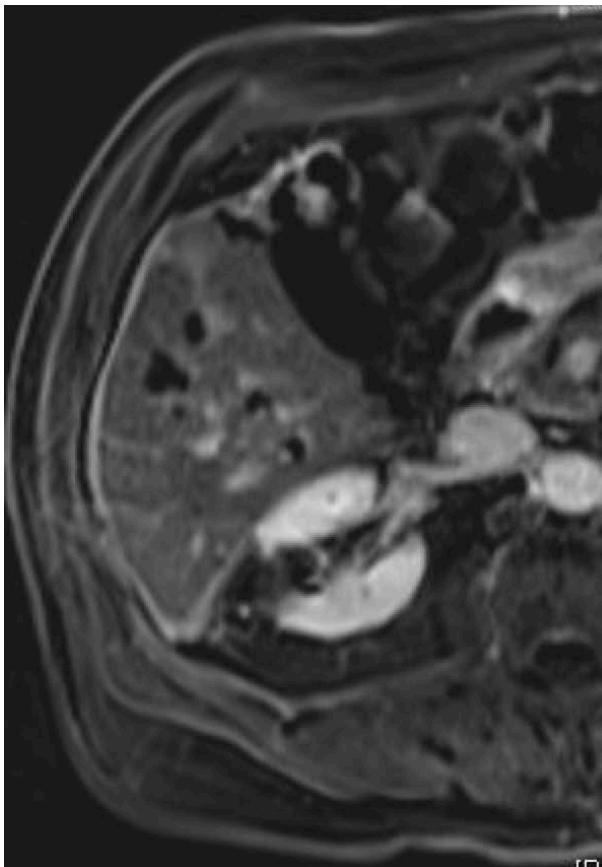




Repeat MWA



1 year follow up



Repeat ablation

- No significant increase in difficulty

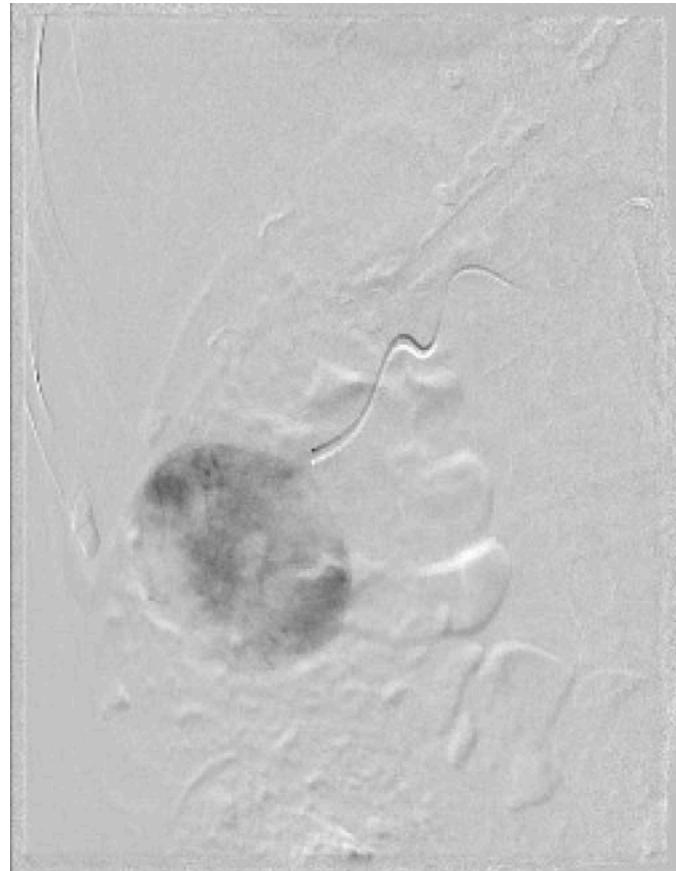
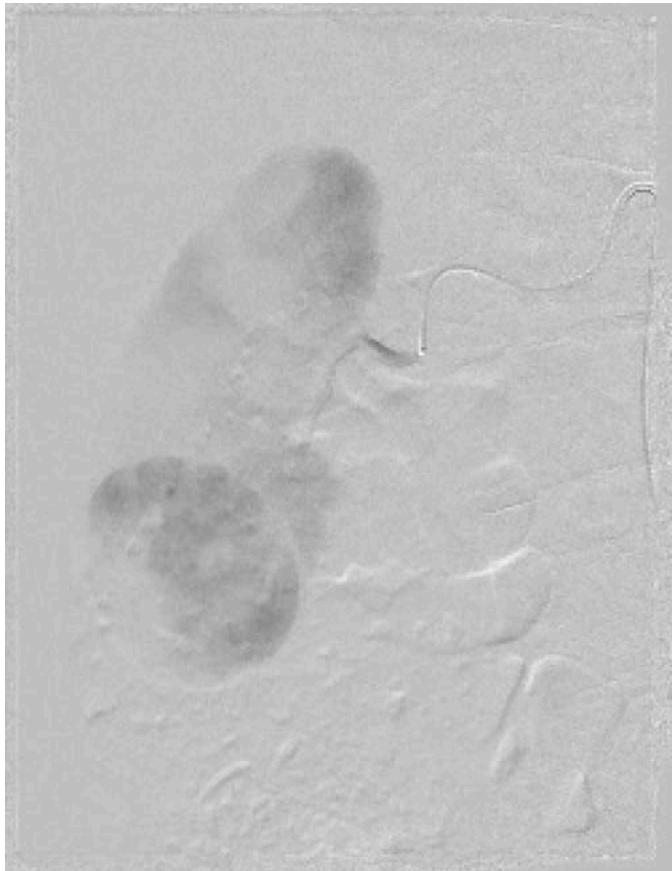


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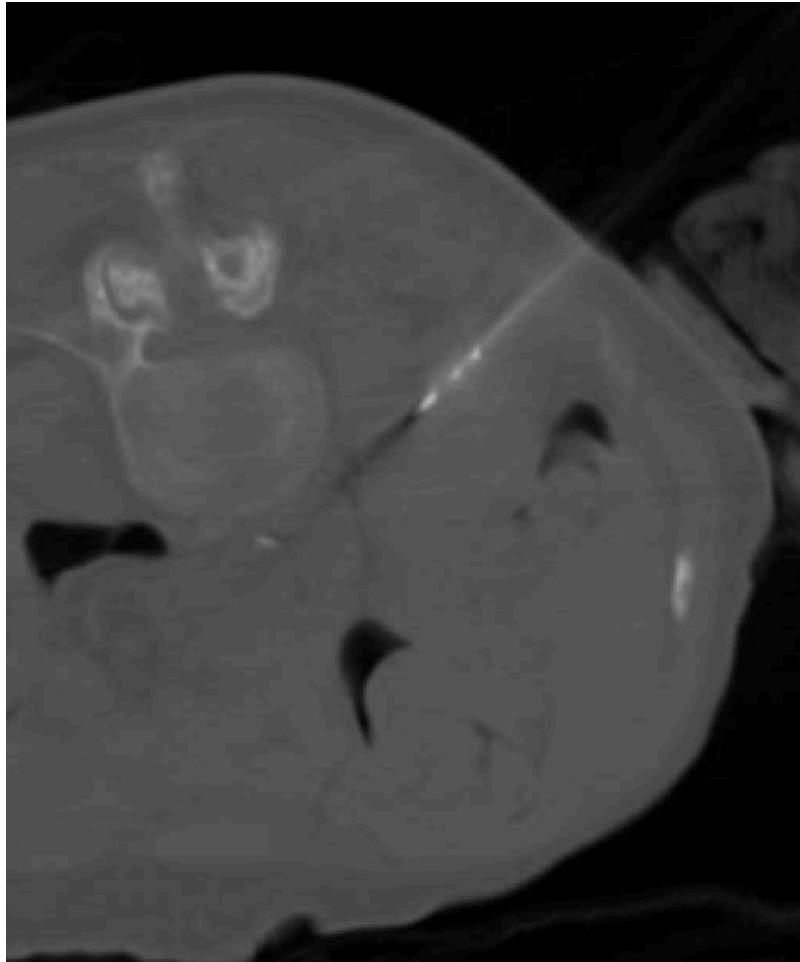




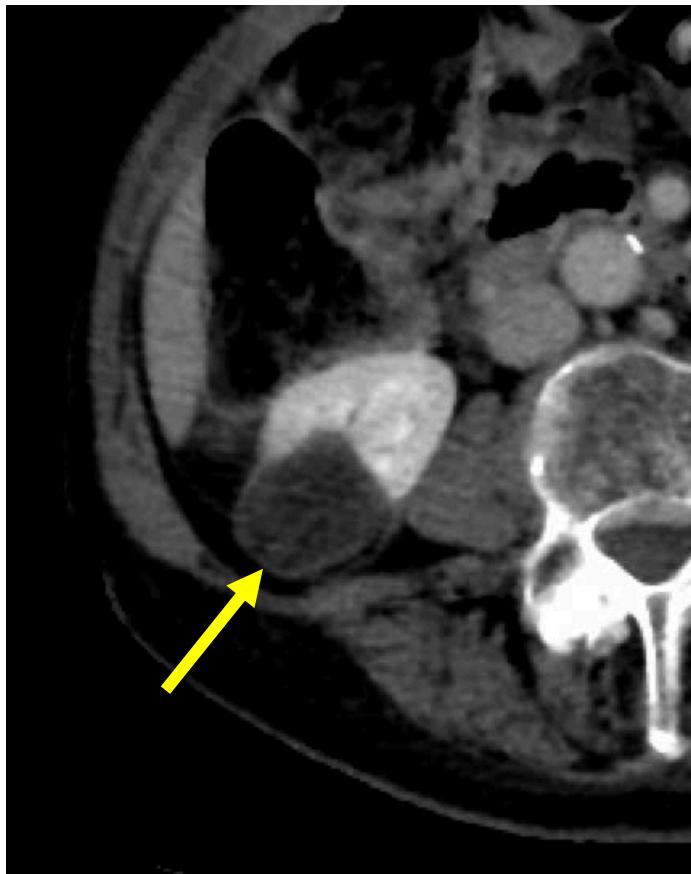
Selective Embo-ablation



Selective Embo-ablation



12 month follow up

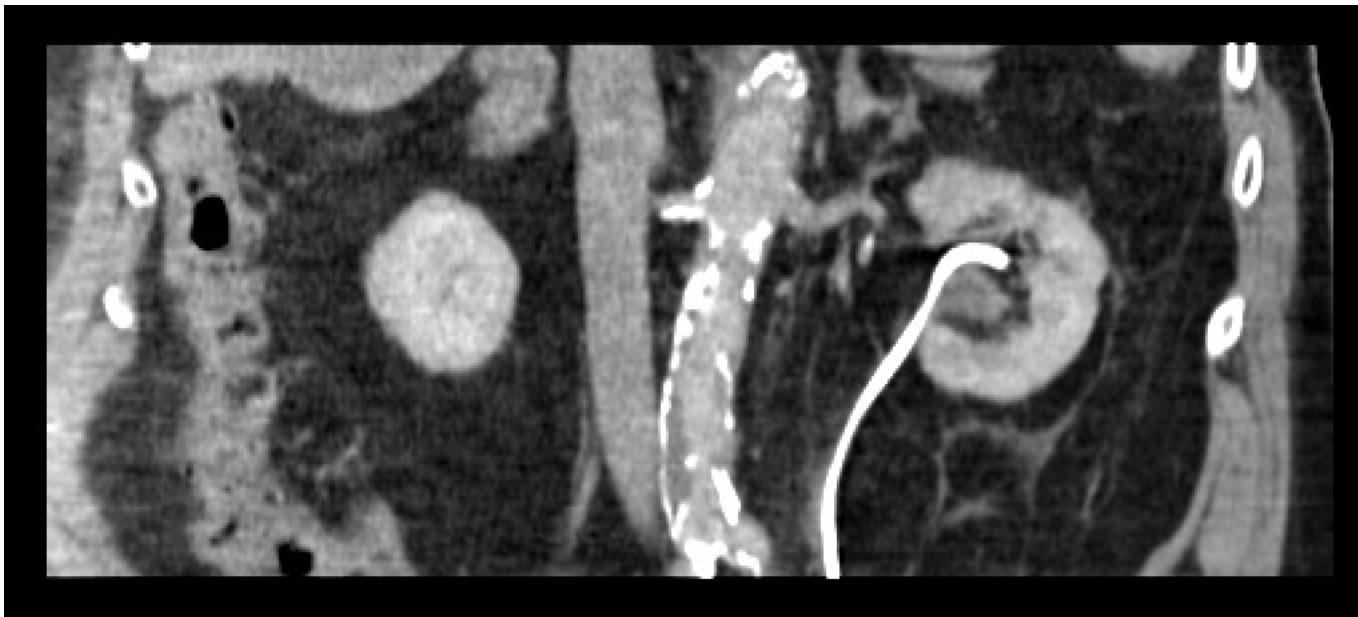


10





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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