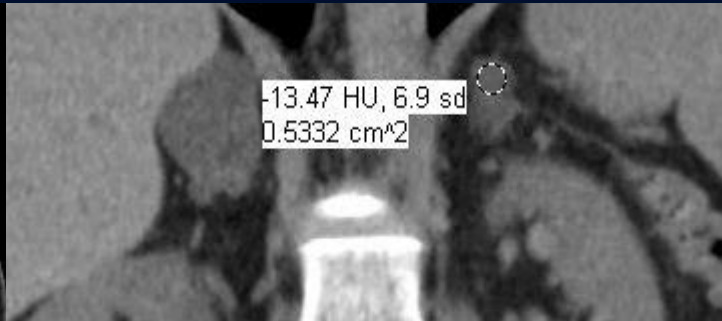
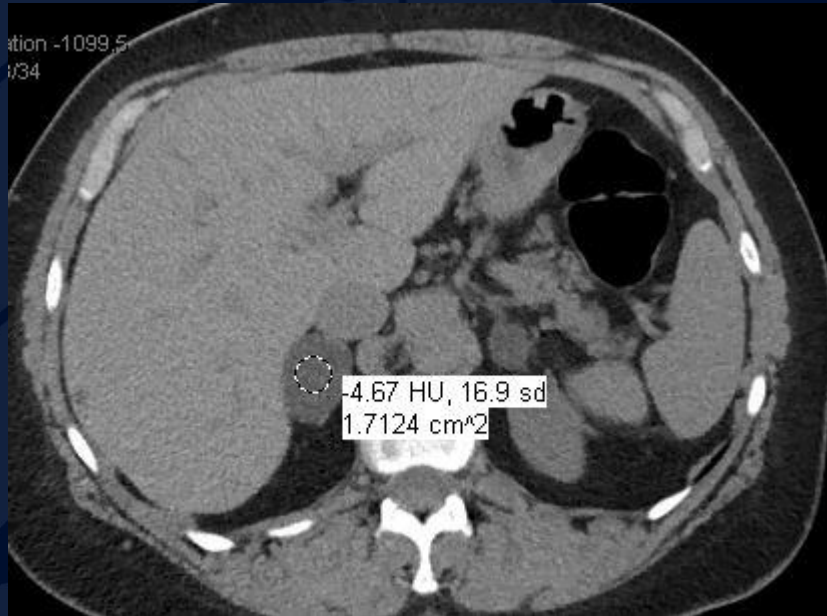


# 53 yr old F for follow up

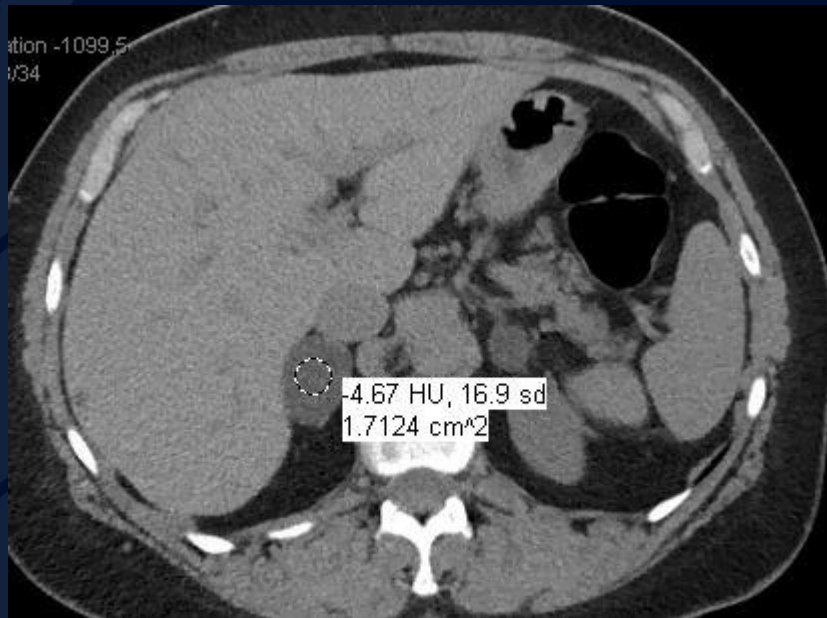
Allan Zhang DO





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# Bilateral lipid rich adrenal adenomas



Bilateral adrenal nodules  
measuring Hounsfield  
density consistent with lipid  
rich adenomas

Material	Hounsfield Unit
Air	-1000
Lung	-500 to -200
Fat	-200 to -50
Water	0
Blood	25
Muscle	25 to 40
Bone	200 to 1000

# Adrenal adenoma

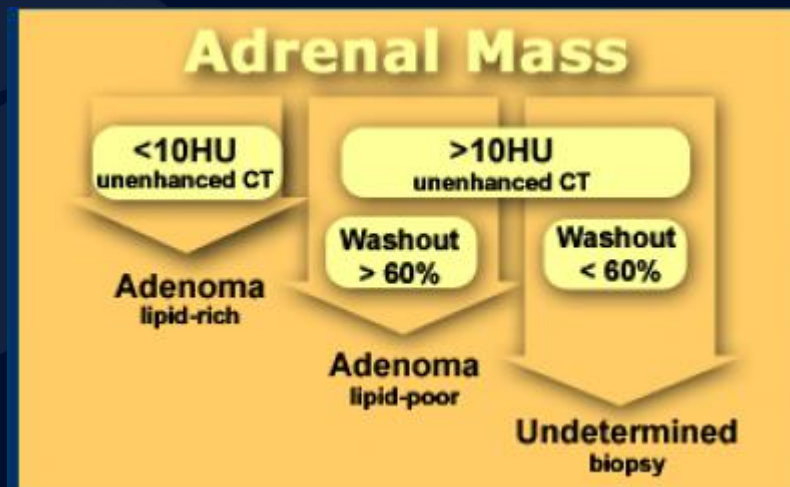
## Presentation:

- 95% non-functioning, and found incidentally
- those with functioning adenomas including excessive cortisol (Cushing), excessive aldosterone (Conn), or sex-related hormones

## Imaging:

- NCECT: nodules with intracellular fat measuring  $< -10$ , lipid rich adenoma; if 10-30, statistically likely lipid poor adenoma.

## -washout:



Absolute enhancement wash out  $> 60\%$  = adenoma  
Relative enhancement wash out  $> 40\%$  = adenoma

# References

Radiographics

**Adrenal Imaging with Multidetector CT: Evidence-based Protocol Optimization and Interpretative Practice**