SRU Case of the Day 2023

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Case 4

42 year old male with chronic scrotal pain. What is the diagnosis?
Key Findings

Numerous solid, hyperechoic, non-shadowing nodules randomly distributed throughout both testicles, sub-centimeter in size, no detectible blood flow
Testicular Lipomatosis

Associated with PTEN hamartoma tumor syndromes
- Most common **Cowden syndrome**
- Rarely Bannayan-Riley-Ruvalcaba syndrome or Proteus syndrome

- Often diagnosed incidentally on ultrasound, should trigger a genetic workup for Cowden syndrome

- Nodules correspond to interstitial lipid on histopathology

- No known association with testicular cancer, therefore no current recommendations for screening US in patients with Cowden syndrome