

Testicular Mass

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History of Present Illness

- 24 y/o male with smooth, non-tender left testicular mass that enlarged over a few months and became 5-10 times the size of the right testicle.
- Elevated AFP



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-544 mm

CT: 168

PT: 168

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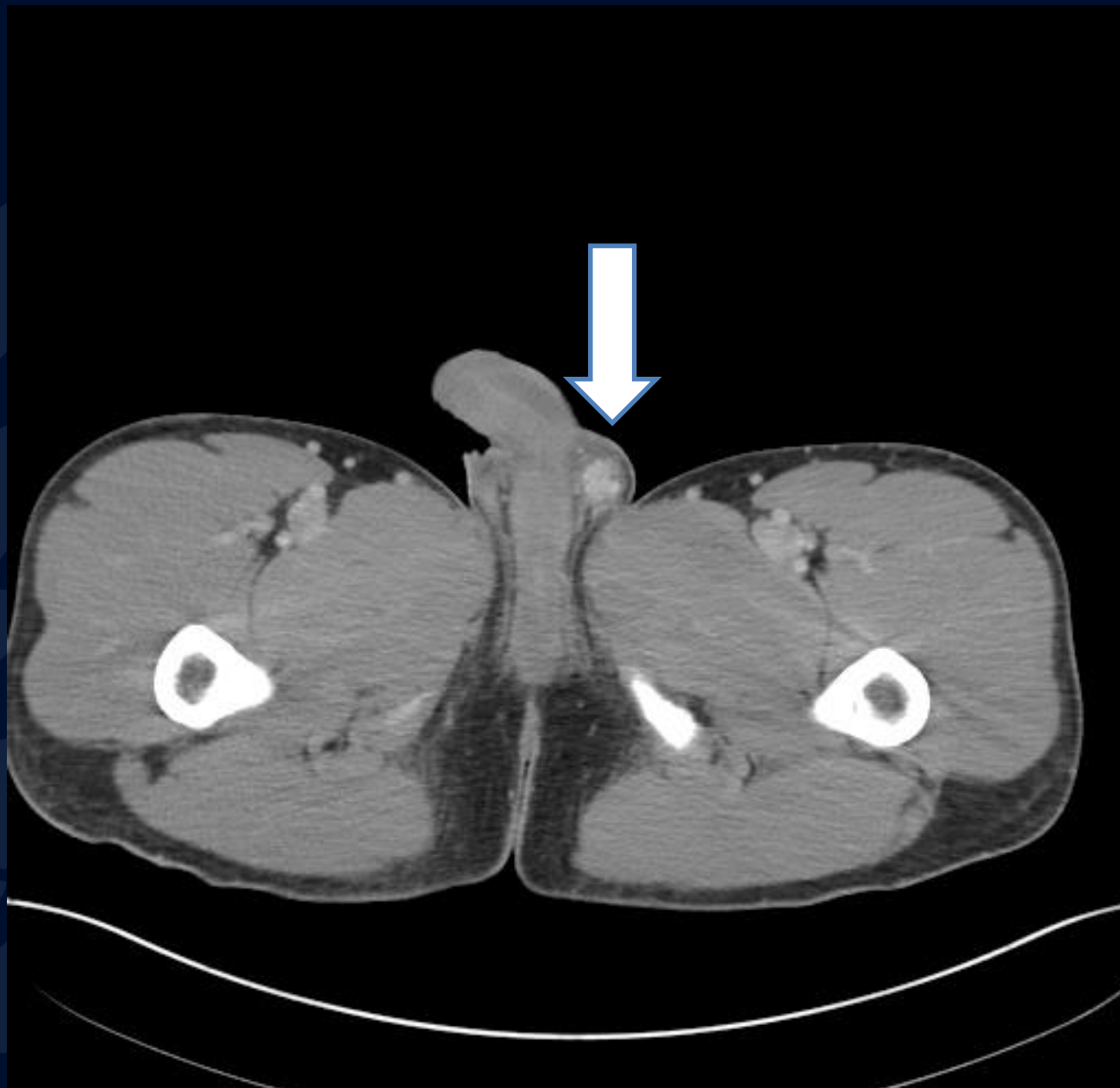


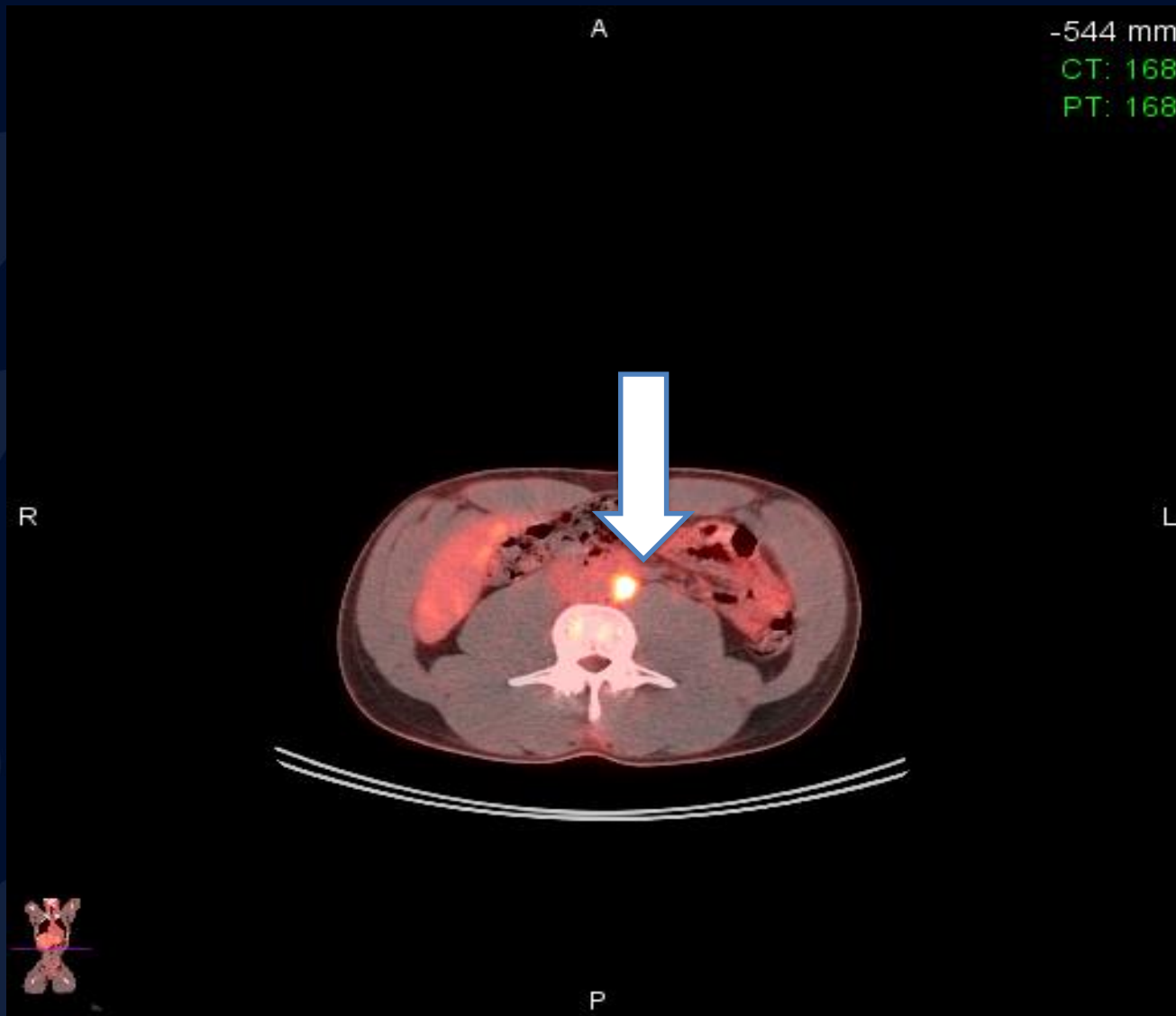
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Diagnosis?

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Diagnosis

- Malignant teratoma composed of endodermal sinus/yolk sac tumor and embryonal carcinoma component with retroperitoneal met
- This is a type of non-seminoma tumor and typically affects men from late teens to early 30s
Can have increase AFP and HCG
Most non-seminoma tumors are mixed, like this one
- This patient ended up having surgery and chemotherapy

Differential Dx of Painless Scrotal Mass

- Hydrocele – cystic scrotal mass, collection of peritoneal fluid between layers of tunica vaginalis
- Inguinal hernia – reducible, non-transilluminating mass
- Varicocele – collection of dilated and tortuous veins in pampiniform plexus, more common on left b/c of angle of left spermatic vein and it draining into renal vein.
- Spermatocele – fluid-filled cyst of head of epididymis, does transilluminate as cystic mass
- Malignancy – most common solid tumor in males age 15-35, typically firm non-transilluminating mass

References

- <https://www.cancer.org/cancer/testicular-cancer/about/what-is-testicular-cancer.html>
- https://www.uptodate.com/contents/causes-of-painless-scrotal-swelling-in-children-and-adolescents?search=testicular%20mass&source=search_result&selectedTitle=5~126&usage_type=default&display_rank=5#H10