SCROTAL ULTRASOUND; IT'S NOT ALL ABOUT THE TESTES! PICTORIAL REVIEW OF COMMON (AND SOME UNCOMMON) EXTRA TESTICULAR ULTRASOUND FINDINGS

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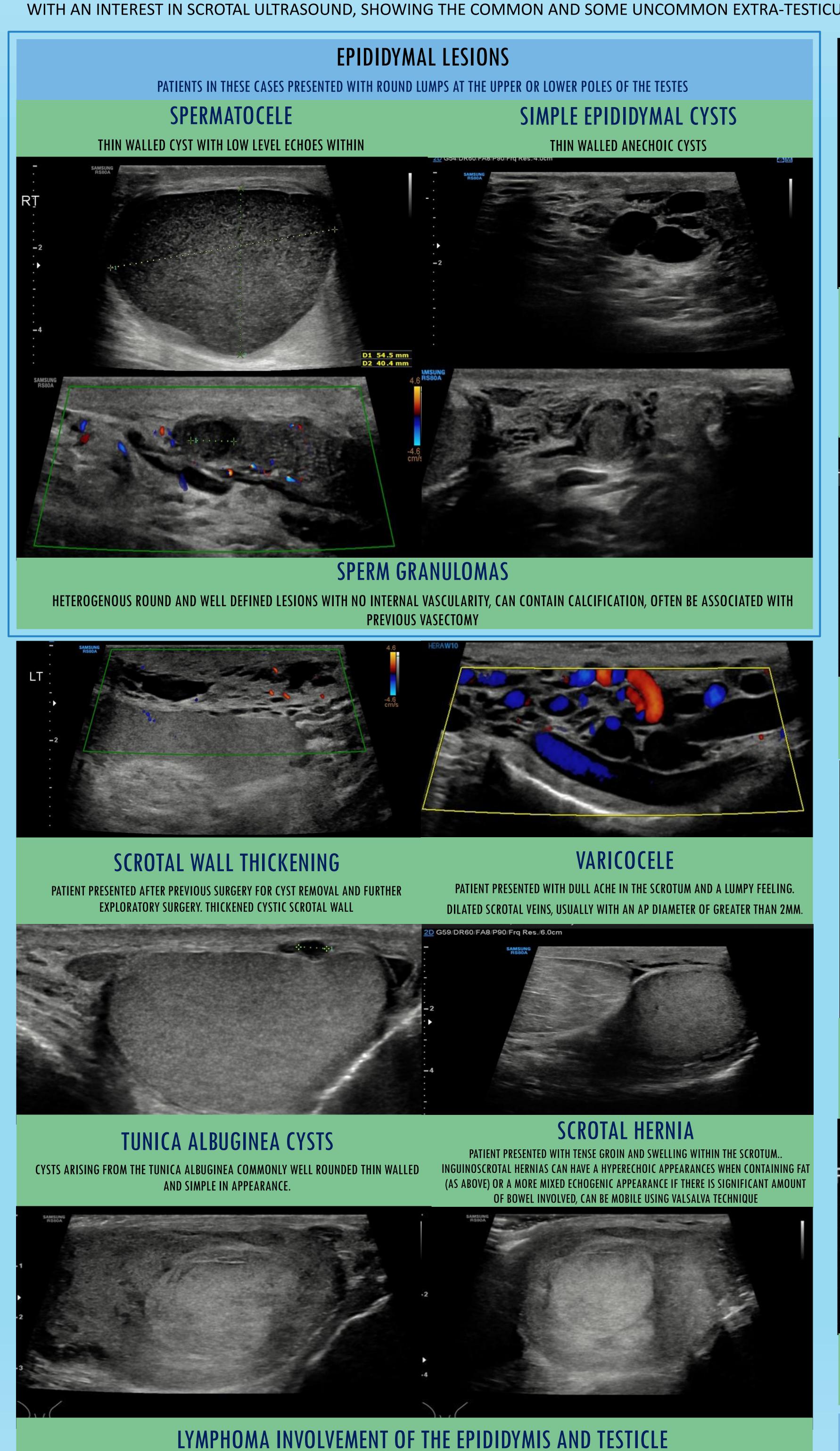
INTRODUCTION AND AIM

ULTRASOUND IS USED AS THE PRIMARY IMAGING MODALITY TO ASSESS THE SCROTUM FOR BOTH ACUTE AND CHRONIC CONDITIONS.

NICE (2022) RECOMMEND THAT PATIENTS BE REFERRED FOR ULTRASOUND OF THE SCROTUM WHERE THERE ARE UNEXPLAINED TESTICULAR SYMPTOMS OR SCROTAL SWELLING WHICH CANNOT BE DETERMINED WHETHER IT IS INTRA OR EXTRA TESTICULAR; THIS IS OFTEN WHEN A PATIENT HAS INCIDENTALLY FOUND SOMETHING ABNORMAL WHILST EXAMINING THEMSELVES OR HAVE EXPERIENCED SCROTAL PAIN. THESE SYMPTOMS CAN OFTEN BE EXTRA-TESTICULAR IN ORIGIN.

A VARIETY OF APPROPRIATE EXTRA-TESTICULAR SCROTAL ULTRASOUND CASES WERE IDENTIFIED AND ALL CASES WERE SEEN DURING 2021 TO 2022 AT THE GREAT WESTERN HOSPITAL, SWINDON.

THIS POSTER AIMS TO DEMONSTRATE A WIDE RANGE OF EXTRA-TESTICULAR SCROTAL PATHOLOGY AND TO BE VIEWED AS AN EDUCATIONAL GUIDE FOR SONOGRAPHERS, HEALTH PROFESSIONALS AND CLINICIANS WITH AN INTEREST IN SCROTAL ULTRASOUND, SHOWING THE COMMON AND SOME UNCOMMON EXTRA-TESTICULAR FINDINGS THAT MAY BE FOUND.





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SCROTAL HAEMATOCELE WITH ASSOCIATED TESTICULAR TRAUMA

THE PATIENT PRESENTED AFTER BEING KICKED IN THE GROIN DURING A SPORTS GAME. FLUID SURROUNDING THE TESTIS WITH AN INCREASED/MIXED ECHOGENIC APPEARANCE, CAN HAVE SEPTATIONS WITHIN.

SCROTAL OEDEMA

PATIENT PRESENTED WITH SCROTAL SWELLING, BMI OF 65 AND KNOWN LOWER LIMB LYMPHOEDEMA.

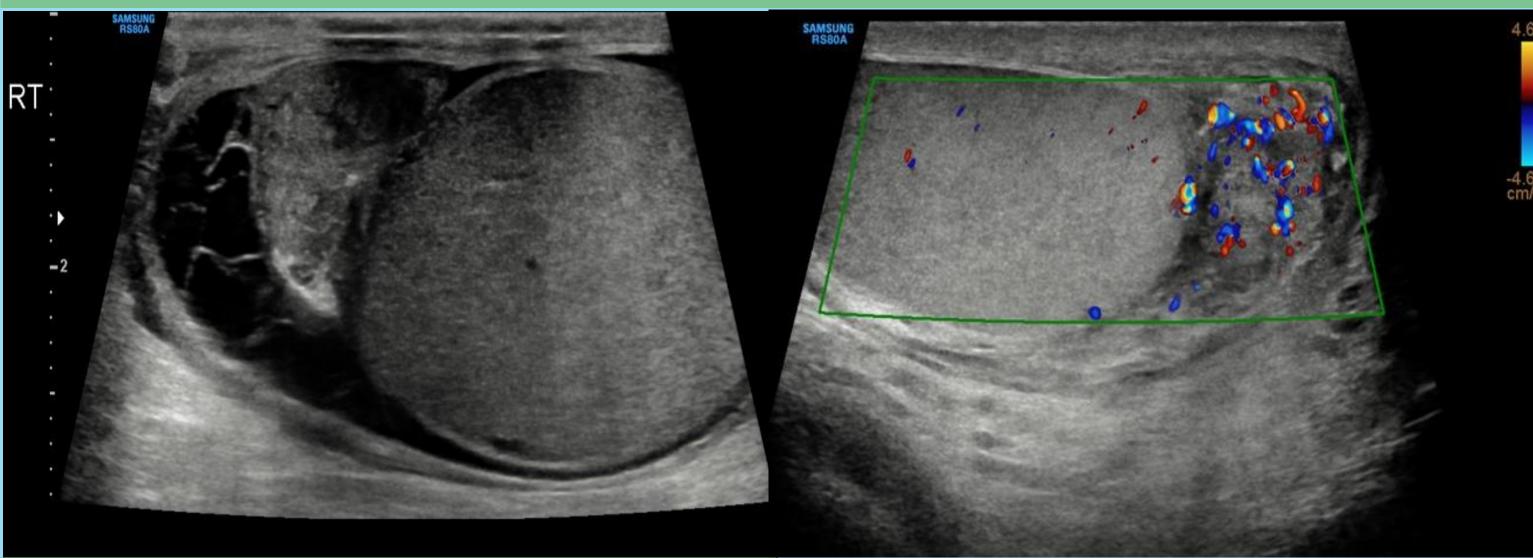
THICKENED OEDEMATOUS SCROTAL WALL OFTEN WITH INCREASED VASCULARITY

USING COLOUR DOPPLER.



HYDROCELES

FLUID SURROUNDING THE TESTIS, GENERALLY ANECHOIC AND CAN BE DIAGNOSED VIA TRANSILLUMINATION
PATIENTS PRESENT WITH SCROTAL SWELLING

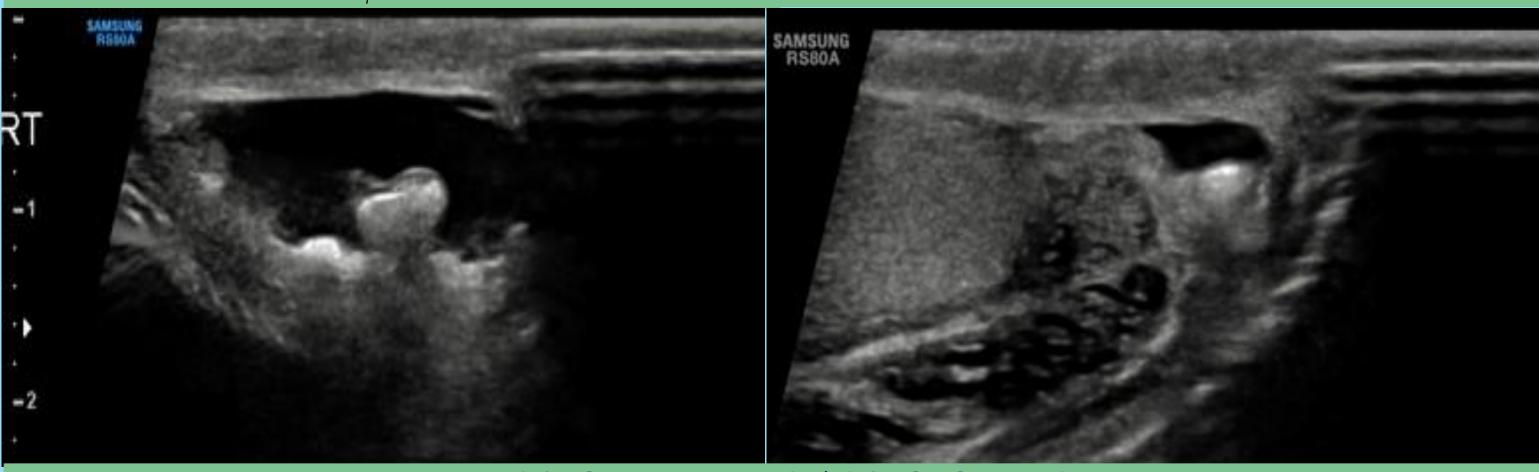


SMALL PYOCELE WITH ASSOCIATED EPIDIDYMITIS

FLUID SURROUNDING THE TESTIS WITH THIN SEPTATIONS, ASSOCIATED WITH EPIDIDYMITIS/EPIDIDYMO-ORCHITIS.

THICKENED EPIDIDYMIS WITH INCREASED VASCULARITY, ECHOGENICITY CAN VARY.

EPIDIDYMITIS



SCROTAL PEARLS / SCROTOLITHS

PATIENT PRESENTED WITH TESTICULAR PAIN WITH AN INCIDENTAL FINDING OF SCROTAL PEARLS. LOOSE CALCIFIED BODIES, CAN SOMETIME BE FELT BY THE PATIENT,

OFTEN AN INCIDENTAL FINDING.

CONCLUSION: THERE ARE A NUMBER OF ABNORMALITIES THAT CAN BE FOUND IN THE SCROTUM OUTSIDE THE TESTIS AND FORTUNATELY THESE ARE RARELY MALIGNANT.

References:

Ultrasonography of the scrotum in adults: Ultrasonography. 2016 Jul; 35(3): 180-197.2016 Feb 24. Kuhn et al

PATIENT WITH KNOWN LYMPHOPLASMACYTIC LYMPHOMA, NEW TESTICULAR SWELLING.

THICKENED EPIDIDYMIS WITH MIXED ECHOGENIC APPEARANCE AND INDISTINCT MARGINS

Diagnostic Ultrasound, 3rd ed. (volume one) 2005, Rumack et al, St Louis, Elsevier Mosby.

National Institute for Health and Care Excellence (NICE) Clinical Knowledge Summaries Scrotal pain and swelling: How should I assess a person with a scrotal swelling and/or pain?, January 2022