

Men with scrotal symptoms may have scrotal pain, a scrotal mass, or both.

Causes of Scrotal Pain +/- Scrotal Mass	Ultrasound Findings
Testicular torsion	Swollen testicle; abnormal decreased flow on Doppler
Epididymitis	Swollen epididymis; abnormal flow on Doppler
Inguinal hernia	Bowel through inguinal canal and in scrotum
Trauma	Ruptured testicle; hemorrhage
Appendiceal torsion	Enlarged (> 5 mm), spherical appendix testis with adjacent increased flow on Doppler
Orchitis	Swollen testicle; abnormal increased flow on Doppler
Testicular cancer	Mass of the testicle
Causes of Painless Scrotal Mass/Swelling	
Inguinal hernia	Bowel through inguinal canal and in scrotum
Testicular cancer	Mass of the testicle
Hydrocele	Extra-testicular fluid collection
Spermatocele	Cyst of the epididymis (contains nonviable sperm)
Epididymal cyst	Cyst of the epididymis (contains simple fluid)
Varicocele	“Bag of worms” with flow on Doppler
Scrotal edema	Thickened scrotal wall with abnormal flow on Doppler
The following causes of scrotal pain typically have no significant imaging findings on scrotal ultrasound examination	
Post-vasectomy pain syndrome, renal colic	

ULTRASOUND EXAMINATION OF THE SCROTUM

CLINICAL INFORMATION: []

COMPARISON: [Check priors to see if following a known lesion.]

TECHNICAL INFORMATION: []

INTERPRETATION:

Right testicle: [Testicle rupture. Swelling (torsion, orchitis) or mass (cancer). Decreased flow on color Doppler imaging (torsion). Increased flow on color Doppler imaging (hyperemia from orchitis or cancer).]

Left testicle: [Testicle rupture. Swelling (torsion, orchitis) or mass (cancer). Decreased flow on color Doppler imaging (torsion). Increased flow on color Doppler imaging (hyperemia from orchitis or cancer).]

Extratesticular scrotum: [Swelling/hyperemia of the epididymis (epididymitis). Epididymus cyst (spermatocele, epididymal cyst). Bowel loop (inguinal hernia). Swelling of the appendix or periappendiceal hyperemia (appendix torsion). Abnormal fluid (no hydrocele). Prominent veins with a “bag of worms” appearance or excessive flow on Doppler (varicocele). Skin thickening (scrotal edema).]

IMPRESSION: []