

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

CAUSES OF SCROTAL PAIN

Scrotal or Testicular Pain	Porter	Eisenberg	Wasson	Paulman	Total	Collected Cases
Testicular torsion	x	x	x	x	4	2
Epididymitis	x	x	x	x	4	3
Inguinal hernia	x	x		x	3	
Trauma	x	x			2	1
Appendix torsion	x				1	
Postvasectomy pain syndrome	x				1	
Orchitis		x			1	1
Testicular cancer		x			1	
Renal colic			x		1	1
Varicocele						1

REFERENCES

Eisenberg RL, Margulis AR. *The Right Imaging Study: A Guide for Physicians*. 3rd Edition. Springer, 2008.

Paulman PM, Paulman AA, Harrison JD, Nasir LS, Bryan SK. *Signs and Symptoms in Family Medicine*. Elsevier, Philadelphia, 2012.

Porter RS, Kaplan JL, Homeier BP. *The Merck Manual of Patient Symptoms*. Merck Research Laboratories, Whitehouse Station, New Jersey, 2008.

Wasson JH. *The Common Symptom Guide*. McGraw-Hill, New York, 2009.

CAUSES OF SCROTAL OR TESTICULAR MASS

Scrotal or Testicular Mass/Swelling	Goroll & Mulley	Wasson	Total	Collected Cases
Hydrocele	x	x	2	2
Spermatocele	x	x	2	4
Testicular cancer	x	x	2	4
Varicocele	x	x	2	1
Epididymitis	x		1	1
Epididymal cyst	x		1	4
Hernia		x	1	3
Orchitis/abscess	x		1	4
Scrotal edema	x		1	1
Torsion of spermatic cord	x		1	
Trauma	x		1	1
Listings in bold may not have associated pain.				

REFERENCES

Goroll AH, Mulley AG. *Primary Care Medicine: Office Evaluation and Management of the Adult Patient*. 6th Edition. Lippincott Williams & Wilkins, Philadelphia, 2009.

Wasson JH. *The Common Symptom Guide*. McGraw-Hill, New York, 2009.

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	