

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Acute Onset of Scrotal Pain-Without Trauma, Without**  
**Antecedent Mass**

Literature Search Performed on: 11/29/2023

Beginning Date: January 2010

End Date: October 2023

Database: Ovid MEDLINE(R) ALL <1946 to November 28, 2023>

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**Search Strategy**

- 1 Spermatic Cord Torsion/ or Epididymitis/ or Orchitis/ (6445)
- 2 ((scrot\* or paratesticular or testicular or testis or intratesticular) and (Imaging or sonography or CEUS or ultrasound or MRI or radiolog\* or radiograph\* or CT or doppler or nuclear medicine or scintigraphy or tomography or magnetic resonance)).ti. (1817)
- 3 1 or 2 (7943)
- 4 limit 3 to yr="2010 -Current" (2384)
- 5 limit 4 to animals (591)
- 6 4 not 5 not (animal or animals or canine\* or dog or dogs or feline or hamster\* or lamb or lambs or mice or monkey or monkeys or mice or mouse or murine or pig or piglet\* or pigs or porcine or primate\* or rabbit\* or rat or rats or rodent\* or sheep\* or swine or horse\* or stallion\* or chick\*3 or veterinar\* or rooster\* or snake\* or theriogenolog\*).ti,so. (1784)
- 7 limit 6 to case reports (558)
- 8 7 and Systematic Review.ti. (3)
- 9 (6 not 7) or 8 (1229)

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Literature Search Performed on: 05/22/2023

Beginning Date: January 2017

End Date: April 2023

Database: Ovid MEDLINE(R) ALL <1946 to May 18, 2023>

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**Search Strategy**

- 1 (scrot\* or testic\*).ti. (39706)
- 2 scrotum/ or testis/ (80206)
- 3 1 or 2 (98531)
- 4 machine learning/ (32442)
- 5 3 and 4 (12)
- 6 exp Ultrasonography/ and (Elasticity Imaging Techniques/ or contrast media/) (24890)
- 7 3 and 6 (156)
- 8 (elastography or contrast-enhanced ultrasound or contrast enhanced ultrasound or CEUS or multiparametric ultrasound or radiomics).af. (27151)
- 9 3 and 8 (196)
- 10 5 or 7 or 9 (253)
- 11 limit 10 to yr="2017 -Current" (135)
- 12 limit 11 to abstracts (130)
- 13 limit 12 to animals (7)
- 14 12 not 13 (123)
- 15 limit 14 to case reports (17)
- 16 14 not 15 (106)

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Literature Search Performed on: 01/03/2023

Beginning Date: January 2017

End Date: December 2022

Database: Ovid MEDLINE(R) ALL <1946 to October 18, 2022>

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**Search Strategy**

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Acute Onset of Scrotal Pain-Without Trauma, Without**  
**Antecedent Mass**

- 1 (testic\* adj2 torsion).tw. (2382)
- 2 (Epididymitis or orchitis or acute scrotum).tw. (4760)
- 3 (imaging or CT or ultrasound or MRI or doppler or nuclear medicine or scintigraphy or tomography or magnetic, elastograph\*).tw. (1846552)
- 4 3 and (1 or 2) (1277)
- 5 limit 4 to (abstracts and english language and yr="2020 -Current") (195)
- 6 (Acute pain/ or acute disease/ or Torsion Abnormality/ or Genital Diseases, Male/ or edema/) and (testis/ or scrotum/ or Epididymis/) (2887)
- 7 Spermatic Cord Torsion/ or ORCHITIS/ or Epididymitis/ (6310)
- 8 Testicular diseases/ (4962)
- 9 6 or 7 or 8 (12989)
- 10 (exp diagnostic imaging/ or dg.fs.) and 9 (2833)
- 11 limit 10 to (abstracts and english language and humans and yr="2017 -Current") (263)
- 12 5 or 11 (409)
- 13 limit 12 to case reports (173)
- 14 12 not 13 (236)
- 15 limit 14 to animals (11)
- 16 14 not 15 (225)

**Summary**

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| <b>Source</b>         | <b>#Unique Refs</b> | <b>#Retained Refs</b> |
|-----------------------|---------------------|-----------------------|
| Old bibliography      | 42                  | 19                    |
| Literature Search(es) | 1343                | 32                    |
| Author Added          | 41                  | 39                    |
| Supporting Docs       | 3                   | 2                     |
| Total                 |                     | 92                    |

References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.