

MLUTS Scope Search

**Database: Embase <1974 to 2025 May 05>, Ovid MEDLINE(R) ALL <1946 to May 05, 2025>
Search Strategy:**

- 1 (benign and (prostate or prostatic) and (obstruction* or enlarge*)).ti. (2217)
- 2 ((prostate or prostatic) and (hyperplasia or hypertroph* or adenoma*)).ti. (27528)
- 3 or/1-2 (29250)
- 4 ((lower urinary or bladder or urethra* or urination) and symptom*).ti. (14423)
- 5 (bladder and emptying and (dysfunction* or incomplete or incompetent)).ti. (92)
- 6 ((benign or outlet or neck) and bladder and (sclerosis or obstruction* or obstructed voiding or neck strangulation or stenosis or stenoses or scleroses or contracture or stricture* or narrow* or fistula*)).ti. (4298)
- 7 ((Overactive or overactivity or over activit*) and (bladder or detrusor)).ti. (15313)
- 8 ((detrusor or bladder) and (underactivit* or failure or acontractile or hypocontract*)).ti. (1557)
- 9 or/4-8 [LUTS] (32845)
- 10 male/ or (men or man or male*).af. (23861111)
- 11 9 and 10 [LUTS and males] (18332)
- 12 3 or 11 [male LUTS] (44513)
- 13 (Systematic review or meta-analysis).ti,ab. (1060772)
- 14 (Medline or Embase or Cochrane or Pubme or literature search or literature review).ab. (1012785)
- 15 random:.mp. or randomized controlled trial.pt. (4383983)
- 16 (placebo: or blind: or tial).ti,ab. (1266461)
- 17 clinical trial:.mp. or controlled clinical trial.pt. (3447801)
- 18 (cohort or cohorts).ti,ab. (2770233)
- 19 prospective*.ti,ab. (2500319)
- 20 ((comparative or comparison or evaluat* or multicenter) adj (studies or study)).ti,ab. (458236)
- 21 ((population or hospital) adj based).ti,ab. (519612)
- 22 controlled study/ or major clinical study/ (13648147)
- 23 (controlled or compared).ti,ab. (13475062)
- 24 ((diagnostic or prognostic) and (accuracy or performance or value*)).ti. (152045)
- 25 diagnostic test accuracy study/ or diagnostic accuracy/ (539186)
- 26 or/13-25 [higher level evidence] (28536365)
- 27 12 and 26 [LUTS core refs] (26630)
- 28 ("non-neurogenic" adj3 (lower urinary or bladder or urethra* or urination)).ti,ab. (760)
- 29 26 and 28 (459)
- 30 27 or 29 [LUTS core references] (26947)
- 31 (urinary tract infection* or prostatitis or stones or trauma).ti. (287976)
- 32 (cancer* or carcinoma* or tumour or tumor or neoplasm* or nocturia).ti. (5163935)
- 33 ((neurogen* or neuropathic or neurologic* or neuro-urological) not ("non" or "not" or without or excluding or other than)).ti. (201324)
- 34 or/31-33 (5646589)
- 35 30 not 34 [excluded infection or stones or trauma or neurogenic] (23891)
- 36 limit 35 to english language (21640)
- 37 (animals/ or animal/) not (humans/ or human/) (6557554)
- 38 36 not 37 (21246)
- 39 (child/ or Pediatrics/ or Adolescent/ or Infant/ or adolescence/ or newborn/ or (baby or babies or child or children or pediatric* or paediatric* or peadiatric* or infant* or infancy or neonat* or newborn* or new born* or adolescen* or toddler*).ti,ab.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).ti,ab.) (5167596)
- 40 38 not 39 (20903)
- 41 case report/ or case reports/ or (case report or case series or a rare case or a case of).ti. (6131758)

- 42 note/ or editorial/ or letter/ or Comment/ or news/ (5586544)
 - 43 (conference abstract or Conference Review).pt. (5478601)
 - 44 rats.ti. (882607)
 - 45 or/41-44 (16937704)
 - 46 40 not 45 [male LUTS and limitations] (15937)
 - 47 limit 46 to ed=20230501-20250506 use medall [Limit not valid in Embase; records were retained] (516)
 - 48 limit 46 to dt=20230501-20250506 use medall [Limit not valid in Embase; records were retained] (673)
 - 49 limit 46 to dd=20230501-20250506 use oomezd [Limit not valid in Ovid MEDLINE(R); records were retained] (1036)
 - 50 limit 46 to dc=20230501-20250506 use oomezd (1119)
 - 51 46 and 2025*.ep. (117)
 - 52 or/47-51 (1831)
 - 53 limit 52 to yr="2023 -Current" (1773)
 - 54 remove duplicates from 53 (1183)
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UI interventions Scope Search

Database: Embase <1974 to 2025 May 07>, Ovid MEDLINE(R) ALL <1946 to May 07, 2025>

Search Strategy:

- 1 exp *urine incontinence/ or exp *Urinary Incontinence/ or exp *stress incontinence/ or exp *urge incontinence/ or exp *mixed incontinence/ (69073)
- 2 ((urine or urinae or urinate or urinary or stress or urge or mixed or bladder or over flow) adj3 incontinen*).ti,ab. (98844)
- 3 or/1-2 [UI] (118679)
- 4 ((neurogen* or neuropathic or neurologic* or neuro-urologic*) not ("non" or "not" or without or excluding or other than)).ti. (201238)
- 5 3 not 4 (116623)
- 6 ((non-neurogen* or non-neurolog* or non-neuro-urolog* or non-neuropath*) and (urinary or bladder or urethra* or urination) and incontinen*).ti,ab. (866)
- 7 (non-neurogen* or non-neurolog* or non-neuro-urolog* or non-neuropath*).ti. (1410)
- 8 3 and 7 (238)
- 9 5 or 6 or 8 [non-neurogenic UI] (116826)
- 10 Conservative Treatment/ (121814)
- 11 (conservative adj3 (treatment or therap* or management* or intervention*)).ti,ab. (184643)
- 12 (containment adj3 (device* or treatment or therap* or management* or intervention*)).ti,ab. (1641)
- 13 Penile clamp*.ti,ab. (119)
- 14 exp Cognitive Behavioral Therapy/ (77765)
- 15 ((behavior* or behaviour* or cognition or cognitive or psycho*) adj3 (treatment or therap* or management* or intervention*)).ti,ab. (416202)
- 16 psychotherap*.ti,ab. (125203)
- 17 exp Physical Therapy Modalities/ (314823)
- 18 (physical adj3 (treatment or therap* or management* or intervention*)).ti,ab. (141402)
- 19 (prompt* voiding or toileting program* or bladder training).ti,ab. (1442)
- 20 exp Duloxetine Hydrochloride/ (17959)
- 21 (Duloxetine or Cymbalta).ti,ab. (9117)
- 22 exp transobturator tape/ or exp suburethral sling/ or exp Suburethral Slings/ (14072)
- 23 (sling or slings or Miniarc or Needleless or Solyx or "Mesh").ti,ab. (145812)
- 24 ("TVT" or "TOT" or "TVT-O" or Monarc or BioArc or Uratape).ti,ab. (13716)
- 25 (Fascia* Lata or Rectus fascia* or Raz).ti,ab. (7446)
- 26 (Synthetic or Dacron or "PTFE-Gore-Tex" or Mersilene).ti,ab. (817355)
- 27 ("Suspend" or Pelvicol or single incision or one incision or Ajust or Ophira).ti,ab. (16998)

28 (Argus or Saffyre or Remeex or InVance or "SIMS" or "ATOMS").ti,ab. (219383)
29 exp colposuspension/ (1880)
30 colposuspension.ti,ab. (2763)
31 (autologous fascial sling* or "AFS").ti,ab. (9168)
32 exp collagen/ or exp dextranomer/ or exp bulking agent/ or exp dimeticone/ (558072)
33 exp hydroxyapatite/ or exp Hyaluronic Acid/ or exp Hydrogel/ or exp polyacrylamide gel/ (262727)
34 (bulking or Bulkamid or Polyacrylamide hydrogel or hydroxyapatite).ti,ab. (74952)
35 (Zuidex or hyaluronic acid or dextranomer or Coaptite or Hydroxylapatite).ti,ab. (70828)
36 (Contigen or bovine collagen or Macroplastique or macroparticle* or Durasphere or zirconium oxide beads).ti,ab. (3113)
37 ((injection or injectable*) adj3 ureth*).ti,ab. (1152)
38 (compression device* or (artificial adj3 sphincter*) or "AUS" or adjustable continence).ti,ab. (24549)
39 exp electrostimulation therapy/ or exp electrostimulation/ or exp Electric Stimulation Therapy/ or exp Electric Stimulation/ (628548)
40 exp sacral nerve stimulation/ or exp Transcutaneous Electric Nerve Stimulation/ (26458)
41 exp nerve stimulation/ (200149)
42 (((nerve or electric* or electro*) adj3 stimulat*) or electrostimulation*).ti,ab. (259171)
43 ((electric* or electro) adj3 (neuromodulation or neuro-modulation or nerve modulation)).ti,ab. (891)
44 ((sacral or brindley or spinal cord or Dorsal root ganglion or pudendal or retrograde or transforaminal) adj3 (stimula* or neuromodulation or neuro-modulation or nerve modulation)).ti,ab. (26862)
45 Urologic Surgical Procedures/ (25027)
46 exp bladder reconstruction/ (4441)
47 (Cystoplast* or bladder plastic operation* or bladder plast* or vesicoplast*).ti,ab. (2723)
48 exp urethral catheter/ (17203)
49 exp urinary diversion/ (34183)
50 (((urethral or transurethral) and catheter*) or Felxima or VaPro).ti,ab. (25468)
51 ((suprapubic or urinary) adj5 (diversion* or catheter*)).ti,ab. (45389)
52 exp cystostomy/ or cystostom*.ti,ab. (6285)
53 (detrusor myectomy or detrusormyectomy).ti,ab. (31)
54 or/10-53 (3960605)
55 9 and 54 [interventions] (43579)
56 (women/ or female/ or (women or woman or female*).ti,ab.) not (men/ or male/ or (men or man or male*).af.) (7603580)
57 55 not 56 [male non-neurogenic UI] (18874)
58 (Systematic review or meta-analysis or umbrella review or overview of reviews).ti,ab. (1063358)
59 Meta analysis/ or "systematic review"/ (982356)
60 (Medline or Embase or Cochrane or Pubme or literature search or literature review).ab. (1011771)
61 random:.mp. or randomized controlled trial.pt. (4382534)
62 clinical trial:.mp. or controlled clinical trial.pt. (3443936)
63 double-blind:.mp. or placebo:.tw. or blind:.tw. (1336148)
64 (groups or trial or controlled or compared).tw. (18235917)
65 ((comparative or comparison or evaluat* or multicenter) and (studies or study)).ti. (507585)
66 ((population or hospital) adj based).ti,ab. (519391)
67 controlled study/ or major clinical study/ (13661528)
68 or/58-67 [high level evidence] (29603148)
69 57 and 68 (9262)
70 (animals/ or animal/) not (humans/ or human/) (6551821)
71 (child/ or Pediatrics/ or Adolescent/ or Infant/ or adolescence/ or newborn/ or (baby or babies or child or children or pediatric* or paediatric* or peadiatric* or infant* or infancy or neonat* or newborn* or new born* or adolescen* or toddler*).ti,ab.) not (adult/ or aged/ or (aged or adult* or

elder* or senior* or men or women).tw.) (5166068)
72 (conference abstract or Conference Review).pt. (5481653)
73 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (5808782)
74 case report/ or case reports/ or (case report or case series or a rare case or a case of).ti. (6131948)
75 or/70-74 (26168338)
76 69 not 75 [limitations applied] (5748)
77 limit 76 to english language (5149)
78 limit 77 to ed=20230501-20250508 use medall [Limit not valid in Embase; records were retained] (176)
79 limit 77 to dt=20230501-20250508 use medall [Limit not valid in Embase; records were retained] (234)
80 limit 77 to dd=20230501-20250508 use oomezd [Limit not valid in Ovid MEDLINE(R); records were retained] (384)
81 limit 77 to dc=20230501-20250508 use oomezd (421)
82 77 and 2025*.ep. (32)
83 or/78-82 (678)
84 remove duplicates from 83 (507)

Nocturia Scope Search

Database: Embase <1974 to 2025 May 07>, Ovid MEDLINE(R) ALL <1946 to May 07, 2025>
Search Strategy:

1 exp *urine incontinence/ or exp *Urinary Incontinence/ or exp *stress incontinence/ or exp *urge incontinence/ or exp *mixed incontinence/ (69073)
2 ((urine or urinae or urinate or urinary or stress or urge or mixed or bladder or over flow) adj3 incontinen*).ti,ab. (98844)
3 or/1-2 (118679)
4 ((neurogen* or neuropathic or neurologic* or neuro-urologic*) not ("non" or "not" or without or excluding or other than)).ti. (201238)
5 3 not 4 (116623)
6 ((non-neurogen* or non-neurolog* or non-neuro-urolog* or non-neuropath*) and (urinary or bladder or urethra* or urination) and incontinen*).ti,ab. (866)
7 (non-neurogen* or non-neurolog* or non-neuro-urolog* or non-neuropath*).ti. (1410)
8 3 and 7 (238)
9 5 or 6 or 8 [non-neurogenic UI] (116826)
10 exp nocturia/ (11897)
11 ((nocturnal or night-time or nighttime) adj5 (incontinen* or polyuria or overactive bladder or frequency or urgency or lower urinary tract)).ti,ab. (6437)
12 (nocturia or nycturia).ti,ab. (12461)
13 (Enuresis or bedwetting or bed-wetting).ti,ab. (12734)
14 (((sleep adj2 (disorder* or disturbance*)) or diabet* or circadian impairment) adj3 (incontinen* or polyuria or overactive bladder or urgency or lower urinary tract)).ti,ab. (1373)
15 or/10-14 (33815)
16 9 and 15 [nocturia and non-neurogenic UI] (10029)
17 (women/ or female/ or (women or woman or female*).ti,ab.) not (men/ or male/ or (men or man or male*).af.) (7603580)
18 16 not 17 [male and nocturia and non-neurogenic UI] (7517)
19 (animals/ or animal/) not (humans/ or human/) (6551821)
20 (child/ or Pediatrics/ or Adolescent/ or Infant/ or adolescence/ or newborn/ or (baby or babies or child or children or pediatric* or paediatric* or peadiatric* or infant* or infancy or neonat* or newborn* or new born* or adolescen* or toddler*).ti,ab.) not (adult/ or aged/ or (aged or adult* or

- elder* or senior* or men or women).tw.) (5166068)
- 21** (conference abstract or Conference Review).pt. (5481653)
- 22** note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (5808782)
- 23** case report/ or case reports/ or (case report or case series or a rare case or a case of).ti. (6131948)
- 24** or/19-23 (26168338)
- 25** 18 not 24 (3427)
- 26** limit 25 to english language (2913)
- 27** limit 26 to ed=20230501-20250508 use medall [Limit not valid in Embase; records were retained] (66)
- 28** limit 26 to dt=20230501-20250508 use medall [Limit not valid in Embase; records were retained] (88)
- 29** limit 26 to dd=20230501-20250508 use oomezd [Limit not valid in Ovid MEDLINE(R); records were retained] (166)
- 30** limit 26 to dc=20230501-20250508 use oomezd (178)
- 31** 26 and 2025*.ep. (13)
- 32** or/27-31 (277)
- 33** remove duplicates from 32 (202)
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Underactive Bladder Scope Search

Database: Embase <1974 to 2025 May 07>, Ovid MEDLINE(R) ALL <1946 to May 07, 2025>
Search Strategy:

- 1** hypotonic bladder/ (1523)
- 2** Urinary Bladder, Underactive/ (1523)
- 3** ((underactiv* or under-activ* or hypotonic or hypo-tonic or hypotonia or hypokinesia or atonic or atonia or flaccid or acontractile or hypo-contract* or hypocontract* or areflexia) adj2 (bladder or detrusor*)),ti,ab. (3951)
- 4** (impaired adj2 contractility adj2 (bladder or detrusor*)),ti,ab. (386)
- 5** (urinary adj2 chronic adj2 retention).ti,ab. (918)
- 6** (detrusor adj2 (fail* or instabil*)),ti,ab. (2726)
- 7** or/1-6 (8156)
- 8** (women/ or female/ or (women or woman or female*).ti,ab.) not (men/ or male/ or (men or man or male*).af.) (7603580)
- 9** 7 not 8 (5642)
- 10** (epidemiolog* or prevalence or incidence or aetiology or etiology).ti. (1105140)
- 11** (diagnosis or diagnostic or prognostic or prognosis or clinical entity).ti. (1909715)
- 12** diagnostic test accuracy study/ or diagnostic accuracy/ (539795)
- 13** ((diagnostic or prognostic) adj (accuracy or performance or value*)),ab. (480355)
- 14** (sensitivity or specificity).ti,ab. (3146583)
- 15** (risk factor* or terminology or definition* or causality or cause*).ti. (1115800)
- 16** risk/ or risk factors/ or causality/ (3122506)
- 17** (treat* or intervention* or therap* or manag*).ti. (7674631)
- 18** (pharma* or medical or medicine* or drug* or surgery or surgical or operat*).ti. (5010373)
- 19** (Systematic review or meta-analysis).ti,ab. (1059647)
- 20** (Medline or Embase or Cochrane or Pubme or literature search or literature review).ab. (1011771)
- 21** random:.mp. or randomized controlled trial.pt. (4382534)
- 22** clinical trial:.mp. or controlled clinical trial.pt. (3443936)
- 23** double-blind:.mp. or placebo:.ti,ab. or blind:.ti,ab. (1336140)
- 24** (groups or trial or controlled or compared).ti,ab. (18235906)
- 25** (cohort or cohorts).ti,ab. (2768155)
- 26** prospective*.ti,ab. (2499487)

27 ((comparative or comparison or evaluat* or multicenter) adj (studies or study)).ti,ab. (458118)
28 ((population or hospital) adj based).ti,ab. (519391)
29 controlled study/ or major clinical study/ (13661528)
30 (controlled or compared).ti,ab. (13468829)
31 (pathophysiolog* or physiopatholog* or patholog* or physiolog*).ti. (695866)
32 or/10-31 (41684014)
33 9 and 32 (3940)
34 ((neurogen* or neuropathic or neurologic* or neuro-urological) not ("non" or "not" or without or exclud* or other than)).ti. (201214)
35 33 not 34 (3707)
36 (animals/ or animal/) not (humans/ or human/) (6551821)
37 (child/ or Pediatrics/ or Adolescent/ or Infant/ or adolescence/ or newborn/ or (baby or babies or child or children or pediatric* or paediatric* or peadiatric* or infant* or infancy or neonat* or newborn* or new born* or adolescen* or toddler*).ti,ab.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (5166068)
38 (conference abstract or Conference Review).pt. (5481653)
39 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (5808782)
40 case report/ or case reports/ or (case report or case series or a rare case or a case of).ti. (6131948)
41 or/36-40 (26168338)
42 35 not 41 [limitations applied] (2430)
43 limit 42 to english language (2159)
44 limit 43 to ed=20230501-20250508 use medall [Limit not valid in Embase; records were retained] (55)
45 limit 43 to dt=20230501-20250508 use medall [Limit not valid in Embase; records were retained] (79)
46 limit 43 to dd=20230501-20250508 use oomezd [Limit not valid in Ovid MEDLINE(R); records were retained] (114)
47 limit 43 to dc=20230501-20250508 use oomezd (128)
48 43 and 2025*.ep. (11)
49 or/44-48 (215)
50 remove duplicates from 49 (144)
