

Male non-neurogenic LUTS scope search strategy n=2465

Database: Embase <1974 to 2023 February 24>, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present
Search Strategy:

- 1 Lower Urinary Tract Symptoms/ (14622)
- 2 ((lower urinary or bladder or urethra* or urination) and symptom*).ti. (13142)
- 3 prostate hypertrophy/ or Prostatic Hyperplasia/ (65530)
- 4 prostate adenoma/ (1217)
- 5 (benign and (prostate or prostatic) and (obstruction* or enlarge*)).ti. (2019)
- 6 ((prostate or prostatic) and (hyperplasia or hypertroph* or adenoma*)).ti. (25415)
- 7 (bladder emptying and (dysfunction* or incomplete or incompetent)).ti. (80)
- 8 exp *bladder obstruction/ or bladder neck stenosis/ (6698)
- 9 Urinary Bladder Neck Obstruction/ or bladder neck stenosis/ (12868)
- 10 ((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. (3986)
- 11 overactive bladder/ (24983)
- 12 ((Overactive or overactivity or over activit*) and (bladder or detrusor)).ti. (13868)
- 13 ((detrusor or bladder) and (underactivit* or failure or acontractile or hypocontract*)).ti. (1375)
- 14 or/1-13 (115535)
- 15 (Systematic review or meta-analysis).tw. (836755)
- 16 Meta analysis/ (461562)
- 17 (Medline or Embase or Cochrane or Pubme or literature search or literature review).ab. (807058)
- 18 random:.mp. or randomized controlled trial.pt. (3834003)
- 19 (placebo: or blind:).tw. or (trial or groups).ab. (7775358)
- 20 clinical trial:.mp. or controlled clinical trial.pt. (3161219)
- 21 exp cohort analysis/ or exp Cohort Studies/ (3452179)
- 22 (cohort or cohorts).tw. (2253151)
- 23 prospective*.tw. (2194736)
- 24 ((comparative or comparison or evaluat* or multicenter) adj (studies or study)).tw. (398250)
- 25 ((population or hospital) adj based).tw. (456944)
- 26 controlled study/ or major clinical study/ (12006623)
- 27 comparative study/ (2905675)
- 28 (controlled or compared).tw. (11836804)
- 29 ((diagnostic or prognostic) adj (accuracy or performance or value*)).tw. (456572)
- 30 (criterion standard* or false negative or false positive or gold standard* or reference standard* or receiver operat* curve* or screening).tw. (1979940)
- 31 (likelihood ratio* or positive test likelihood or negative test likelihood or post test probability or posttest probability or post test likelihood or posttest likelihood or pre test likelihood or pretest likelihood).tw. (47663)
- 32 diagnostic test accuracy study/ or diagnostic accuracy/ (445319)
- 33 (sensitiv* or specific* or predictive value*).tw. (10913265)
- 34 "Sensitivity and Specificity"/ or sensitivity analysis/ (999108)
- 35 "Predictive Value of Tests"/ or predictive value/ (459881)
- 36 False Negative Reactions/ or False Positive Reactions/ (91499)
- 37 Likelihood Functions/ or Reference Standards/ (575823)
- 38 ROC Curve/ or receiver operating characteristic/ (273714)
- 39 or/15-38 (35639209)
- 40 14 and 39 (76281)
- 41 (urinary tract infection* or prostatitis or stones or trauma).ti. (259014)
- 42 (cancer* or carcinoma* or tumour or tumor or neoplasm* or nocturia).ti. (4577870)
- 43 ((neurogen* or neuropathic or neurologic* or neuro-urological) not ("non" or "not" or without or excluding or other than)).ti. (181082)

44 or/41-43 (5012029)
45 40 not 44 (63387)
46 ("non-neurogenic" adj3 (lower urinary or bladder or urethra* or urination)).tw. (680)
47 46 and 39 (471)
48 45 or 47 (63550)
49 limit 48 to english language (57783)
50 male/ or (men or man or male*).af. (21668789)
51 49 and 50 (40149)
52 (exp animals/ or exp animal/ or exp nonhuman/ or exp animal experiment/ or animal model/ or animal tissue/ or non human/ or (rat or rats or mice or mouse or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset\$1).tw.) not (humans/ or human/ or (men or women or patients or subjects or participants).tw.) (12409840)
53 51 not 52 (37760)
54 (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 preschool or pre-school or toddler*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (4788531)
55 53 not 54 (36922)
56 case report/ or case reports/ or (case report or case series or a rare case).ti. (5316828)
57 note/ or editorial/ or letter/ or Comment/ or news/ (5154816)
58 (conference abstract or Conference Review).pt. (4703334)
59 or/56-58 (14310318)
60 55 not 59 (28489)
61 60 and (202105* or 202106* or 202107* or 202108* or 202109* or 202110* or 202111* or 202112* or 2022* or 2023*).dc. use oemez (2345)
62 60 and (202105* or 202106* or 202107* or 202108* or 202109* or 202110* or 202111* or 202112* or 2022* or 2023*).dt. use ppez (852)
63 60 and (2022* or 2023*).ep. (449)
64 60 and 2023*.dp. (121)
65 or/61-64 (3198)
66 remove duplicates from 65 (2425)
67 limit 66 to yr="2021 -Current" (2256)

Database: Embase <1974 to 2023 April 28>, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

- 1 Lower Urinary Tract Symptoms/ (14972)
- 2 ((lower urinary or bladder or urethra* or urination) and symptom*).ti. (13255)
- 3 prostate hypertrophy/ or Prostatic Hyperplasia/ (65966)
- 4 prostate adenoma/ (1226)
- 5 (benign and (prostate or prostatic) and (obstruction* or enlarge*)).ti. (2045)
- 6 ((prostate or prostatic) and (hyperplasia or hypertroph* or adenoma*)).ti. (25582)
- 7 (bladder emptying and (dysfunction* or incomplete or incompetent)).ti. (81)
- 8 exp *bladder obstruction/ or bladder neck stenosis/ (6729)
- 9 Urinary Bladder Neck Obstruction/ or bladder neck stenosis/ (12940)
- 10 ((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. (4003)
- 11 overactive bladder/ (25265)
- 12 ((Overactive or overactivity or over activit*) and (bladder or detrusor)).ti. (14019)
- 13 ((detrusor or bladder) and (underactivit* or failure or acontractile or hypocontract*)).ti. (1392)
- 14 or/1-13 (116587)
- 15 (Systematic review or meta-analysis).tw. (854369)
- 16 Meta analysis/ (470419)
- 17 (Medline or Embase or Cochrane or Pubme or literature search or literature review).ab. (822810)
- 18 random:.mp. or randomized controlled trial.pt. (3877328)
- 19 (placebo: or blind:).tw. or (trial or groups).ab. (7861896)
- 20 clinical trial:.mp. or controlled clinical trial.pt. (3185388)
- 21 exp cohort analysis/ or exp Cohort Studies/ (3498429)
- 22 (cohort or cohorts).tw. (2293220)
- 23 prospective*.tw. (2219309)
- 24 ((comparative or comparison or evaluat* or multicenter) adj (studies or study)).tw. (402367)
- 25 ((population or hospital) adj based).tw. (462394)
- 26 controlled study/ or major clinical study/ (12142015)
- 27 comparative study/ (2915233)
- 28 (controlled or compared).tw. (11969036)
- 29 ((diagnostic or prognostic) adj (accuracy or performance or value*)).tw. (463222)
- 30 (criterion standard* or false negative or false positive or gold standard* or reference standard* or receiver operat* curve* or screening).tw. (2004586)
- 31 (likelihood ratio* or positive test likelihood or negative test likelihood or post test probability or posttest probability or post test likelihood or posttest likelihood or pre test likelihood or pretest likelihood).tw. (48304)
- 32 diagnostic test accuracy study/ or diagnostic accuracy/ (452456)
- 33 (sensitiv* or specific* or predictive value*).tw. (11022491)
- 34 "Sensitivity and Specificity"/ or sensitivity analysis/ (1010466)
- 35 "Predictive Value of Tests"/ or predictive value/ (464166)
- 36 False Negative Reactions/ or False Positive Reactions/ (92175)
- 37 Likelihood Functions/ or Reference Standards/ (577851)
- 38 ROC Curve/ or receiver operating characteristic/ (279179)
- 39 or/15-38 (35994695)
- 40 14 and 39 (77068)
- 41 (urinary tract infection* or prostatitis or stones or trauma).ti. (261240)
- 42 (cancer* or carcinoma* or tumour or tumor or neoplasm* or nocturia).ti. (4625678)
- 43 ((neurogen* or neuropathic or neurologic* or neuro-uological) not ("non" or "not" or without or excluding or other than)).ti. (182763)
- 44 or/41-43 (5063695)
- 45 40 not 44 (64056)
- 46 ("non-neurogenic" adj3 (lower urinary or bladder or urethra* or urination)).tw. (688)

47 46 and 39 (477)
48 45 or 47 (64224)
49 limit 48 to english language (58441)
50 male/ or (men or man or male*).af. (21810012)
51 49 and 50 (40610)
52 (animals/ or animal/) not (humans/ or human/) (6260858)
53 51 not 52 (39650)
54 (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 preschool or pre-school or toddler*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (4822084)
55 53 not 54 (38770)
56 case report/ or case reports/ or (case report or case series or a rare case).ti. (5348843)
57 note/ or editorial/ or letter/ or Comment/ or news/ (5195054)
58 (conference abstract or Conference Review).pt. (4751655)
59 or/56-58 (14422430)
60 55 not 59 (29866)
61 limit 60 to ed=20230224-20230501 use ppez [Limit not valid in Embase; records were retained] (81)
62 limit 60 to ez=20230224-20230501 use ppez [Limit not valid in Embase; records were retained] (72)
63 limit 60 to dt=20230224-20230501 use ppez [Limit not valid in Embase; records were retained] (70)
64 limit 60 to dd=20230224-20230501 use oomezd [Limit not valid in Ovid MEDLINE(R); records were retained] (93)
65 limit 60 to dc=20230224-20230501 use oomezd (277)
66 or/61-65 (390)
67 remove duplicates from 66 (308)
68 limit 67 to yr="2021 -Current" (307)

Male non-neurogenic UI and Nocturia n=285

Database: Embase <1974 to 2023 February 24>, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

-
- 1 exp urine incontinence/ or exp Urinary Incontinence/ or exp stress incontinence/ or exp urge incontinence/ or exp mixed incontinence/ (121895)
 - 2 ((urine or urinae or urinate or urinary or stress or urge or mixed or bladder or over flow) adj3 incontinen*).tw,kw. (90412)
 - 3 or/1-2 (141625)
 - 4 ((neurogen* or neuropathic or neurologic* or neuro-urological) not ("non" or "not" or without or excluding or other than)).ti. (181082)
 - 5 3 not 4 (139081)
 - 6 ("non-neurogenic" and urinary and incontinen*).tw,kw. (529)
 - 7 5 or 6 (139160)
 - 8 exp nocturia/ (10558)
 - 9 ((nocturnal or night-time or nighttime) adj5 (incontinen* or polyuria or overactive bladder or frequency or urgency or lower urinary tract)).tw,kw. (5955)
 - 10 (nocturia or nycturia).tw,kw. (11461)
 - 11 (Enuresis or bedwetting or bed-wetting).tw,kw. (12268)
 - 12 (((sleep adj2 (disorder* or disturbance*)) or diabete* or circadian impairment) adj5 (incontinen* or polyuria or overactive bladder or frequency or urgency or lower urinary tract)).tw,kw. (9202)
 - 13 or/8-12 (39013)
 - 14 7 and 13 (12305)
 - 15 (women/ or female/ or (women or woman or female*).tw.) not (men/ or male/ or (men or man or male*).af.) (6951783)
 - 16 14 not 15 (9515)
 - 17 (exp animals/ or exp animal/ or exp nonhuman/ or exp animal experiment/ or animal model/ or animal tissue/ or non human/ or (rat or rats or mice or mouse or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset\$1).tw.) not (humans/ or human/ or (men or women or patients or subjects or participants).tw.) (12409840)
 - 18 (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*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (4786817)
 - 19 (conference abstract or Conference Review).pt. (4703334)
 - 20 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (5363714)
 - 21 case report/ or case reports/ or (case report or a rare case).ti. (5267280)
 - 22 or/17-21 (29299802)
 - 23 16 not 22 (4413)
 - 24 limit 23 to english language (3818)
 - 25 24 and (202106* or 202107* or 202108* or 202109* or 202110* or 202111* or 202112* or 2022* or 2023*).dc. use oemez (289)
 - 26 24 and (202106* or 202107* or 202108* or 202109* or 202110* or 202111* or 202112* or 2022* or 2023*).dt. use ppez (93)
 - 27 24 and (2022* or 2023*).ep. (52)
 - 28 24 and 2023*.dp. (12)
 - 29 or/25-28 (382)
 - 30 remove duplicates from 29 (304)
 - 31 limit 30 to yr="2021 -Current" (285)
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Male non-neurogenic UI and Nocturia top up search n=46

Database: Embase <1974 to 2023 April 28>, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

- 1** exp urine incontinence/ or exp Urinary Incontinence/ or exp stress incontinence/ or exp urge incontinence/ or exp mixed incontinence/ (122853)
- 2** ((urine or urinae or urinate or urinary or stress or urge or mixed or bladder or over flow) adj3 incontinen*).tw,kw. (91222)
- 3** or/1-2 (142815)
- 4** ((neurogen* or neuropathic or neurologic* or neuro-urological) not ("non" or "not" or without or excluding or other than)).ti. (182763)
- 5** 3 not 4 (140249)
- 6** ("non-neurogenic" and urinary and incontinen*).tw,kw. (544)
- 7** 5 or 6 (140332)
- 8** exp nocturia/ (10678)
- 9** ((nocturnal or night-time or nighttime) adj5 (incontinen* or polyuria or overactive bladder or frequency or urgency or lower urinary tract)).tw,kw. (5987)
- 10** (nocturia or nycturia).tw,kw. (11580)
- 11** (Enuresis or bedwetting or bed-wetting).tw,kw. (12319)
- 12** (((sleep adj2 (disorder* or disturbance*)) or diabete* or circadian impairment) adj5 (incontinen* or polyuria or overactive bladder or frequency or urgency or lower urinary tract)).tw,kw. (9253)
- 13** or/8-12 (39287)
- 14** 7 and 13 (12409)
- 15** (women/ or female/ or (women or woman or female*).tw.) not (men/ or male/ or (men or man or male*).af.) (7003014)
- 16** 14 not 15 (9589)
- 17** (animals/ or animal/) not (humans/ or human/) (6260858)
- 18** (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*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (4820351)
- 19** (conference abstract or Conference Review).pt. (4751655)
- 20** note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (5405257)
- 21** case report/ or case reports/ or (case report or a rare case).ti. (5298264)
- 22** or/17-21 (23948723)
- 23** 16 not 22 (4486)
- 24** limit 23 to english language (3885)
- 25** limit 24 to ed=20230224-20230501 use ppez [Limit not valid in Embase; records were retained] (9)
- 26** limit 24 to ez=20230224-20230501 use ppez [Limit not valid in Embase; records were retained] (11)
- 27** limit 24 to dt=20230224-20230501 use ppez [Limit not valid in Embase; records were retained] (12)
- 28** limit 24 to dd=20230224-20230501 use oomezd [Limit not valid in Ovid MEDLINE(R); records were retained] (11)
- 29** limit 24 to dc=20230224-20230501 use oomezd (42)
- 30** or/25-29 (60)
- 31** remove duplicates from 30 (46)

Non-Neurogenic male Urinary Incontinence n=571

Database: Embase <1974 to 2023 February 23>, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

-
- 1 exp urine incontinence/ or exp Urinary Incontinence/ or exp stress incontinence/ or exp urge incontinence/ or exp mixed incontinence/ (121798)
 - 2 ((urine or urinae or urinate or urinary or stress or urge or mixed or bladder or over flow) adj3 incontinen*).tw,kw. (90377)
 - 3 or/1-2 (141531)
 - 4 ((neurogen* or neuropathic or neurologic* or neuro-urological) not (non or "not" or without or excluding or other than)).ti. (181039)
 - 5 3 not 4 (138989)
 - 6 ("non-neurogenic" and urinary and incontinence).tw. (517)
 - 7 5 or 6 (139063)
 - 8 Conservative Treatment/ (105562)
 - 9 (conservative adj3 (treatment or therap* or management* or intervention*)).tw,kw. (164633)
 - 10 (containment adj3 (device* or treatment or therap* or management* or intervention*)).tw,kw. (1485)
 - 11 Penile clamp*.tw,kw. (109)
 - 12 exp Cognitive Behavioral Therapy/ (60777)
 - 13 ((behavior or behavioral or cognition or cognitive or psychotherap*) adj2 (treatment or therap* or management* or intervention*)).tw,kw. (165711)
 - 14 exp Physical Therapy Modalities/ (281031)
 - 15 (physical adj3 (treatment or therap* or management* or intervention*)).tw,kw. (120290)
 - 16 (prompt* voiding or toileting program or bladder training).tw,kw. (1352)
 - 17 exp Duloxetine Hydrochloride/ (15487)
 - 18 (Duloxetine or Cymbalta).tw,kw. (8893)
 - 19 exp transobturator tape/ or exp suburethral sling/ or exp Suburethral Slings/ (13036)
 - 20 (sling or slings or Miniarc or Needleless or Solyx or "Mesh").tw,kw. (127695)
 - 21 ("TVT" or "TOT" or "TVT-O" or Monarc or BioArc or Uratape).tw,kw. (12647)
 - 22 (Fascia* Lata or Rectus fascia* or Raz).tw,kw. (6778)
 - 23 (Synthetic or Dacron or "PTFE-Gore-Tex" or Mersilene).tw,kw. (726759)
 - 24 ("Suspend" or Pelvicol or single incision or one incision or Ajust or Ophira).tw,kw. (15726)
 - 25 (Argus or Saffyre or Remeex or InVance or "SIMS" or "ATOMS").tw,kw. (190843)
 - 26 exp colposuspension/ (1796)
 - 27 colposuspension.tw,kw. (2718)
 - 28 (autologous fascial sling* or "AFS").tw,kw. (7864)
 - 29 exp collagen/ or exp dextranomer/ or exp bulking agent/ or exp dimeticone/ (506723)
 - 30 exp hydroxyapatite/ or exp Hyaluronic Acid/ or exp Hydrogel/ or exp polyacrylamide gel/ (217846)
 - 31 (bulking or Bulkamid or Polyacrylamide hydrogel or hydroxyapatite).tw,kw. (69167)
 - 32 (Zuidex or hyaluronic acid or dextranomer or Coaptite or Hydroxylapatite).tw,kw. (61528)
 - 33 (Contigen or bovine collagen or Macroplastique or macroparticle* or Durasphere or zirconium oxide beads).tw,kw. (2974)
 - 34 ((injection or injectable*) adj3 ureth*).tw,kw. (1081)
 - 35 (compression device* or (artificial adj3 sphincter*) or "AUS" or adjustable continence).tw,kw. (19918)
 - 36 exp electrostimulation therapy/ or exp electrostimulation/ or exp Electric Stimulation Therapy/ or exp Electric Stimulation/ (563838)
 - 37 exp sacral nerve stimulation/ or exp Transcutaneous Electric Nerve Stimulation/ (16914)
 - 38 exp nerve stimulation/ (169378)
 - 39 (((nerve or electric* or electro*) adj3 stimulat*) or electrostimulation*).tw,kw. (240852)
 - 40 ((electric* or electro) adj3 (neuromodulation or neuro-modulation or nerve modulation)).tw,kw. (1011)

41 ((sacral or brindley or spinal cord or Dorsal root ganglion or pudental or retrograde or transforaminal) adj3 (stimula* or neuromodulation or neuro-modulation or nerve modulation)).tw,kw. (23451)

42 Urologic Surgical Procedures/ (22746)

43 exp bladder reconstruction/ (4145)

44 (Cystoplast* or bladder plastic operation* or bladder plast* or vesicoplast*).tw,kw. (2574)

45 exp urethral catheter/ (13373)

46 exp urinary diversion/ (32061)

47 (((urethral or transurethral) and catheter*) or Felxima or VaPro).tw,kw. (23150)

48 ((suprapubic or urinary) adj5 (diversion* or catheter*)).tw,kw. (40779)

49 exp cystostomy/ or cystostom*.tw,kw. (5847)

50 detrusor myomectom*.tw,kw. (13)

51 or/8-50 (3268312)

52 7 and 51 (47107)

53 (women/ or female/ or (women or woman or female*).tw,kw.) not (men/ or male/ or (men or man or male*).af.) (6951829)

54 52 not 53 (22016)

55 (Systematic review or meta-analysis).tw. (836259)

56 Meta analysis/ or "systematic review"/ (849363)

57 (Medline or Pubmed or Embase or Cochrane or literature search or literature review).tw. (1030612)

58 random:.mp. or randomized controlled trial.pt. (3832570)

59 clinical trial:.mp. or controlled clinical trial.pt. (3160242)

60 double-blind:.mp. or placebo:.tw. or blind:.tw. (1215170)

61 (groups or trial or controlled or compared).tw. (16057351)

62 or/55-61 (19447755)

63 54 and 62 (8466)

64 (exp animals/ or exp animal/ or exp nonhuman/ or exp animal experiment/ or animal model/ or animal tissue/ or non human/ or (rat or rats or mice or mouse or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset\$1).tw.) not (humans/ or human/ or (men or women or patients or subjects or participants).tw.) (12408185)

65 (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*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (4785955)

66 (conference abstract or Conference Review).pt. (4701793)

67 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (5362712)

68 case report/ or case reports/ or (case report or a rare case).ti. (5266305)

69 or/64-68 (29294677)

70 63 not 69 (5586)

71 limit 70 to english language (5090)

72 70 and (202106* or 202107* or 202108* or 202109* or 202110* or 202111* or 202112* or 2022* or 2023*).dc. use oemez (530)

73 70 and (202106* or 202107* or 202108* or 202109* or 202110* or 202111* or 202112* or 2022* or 2023*).dt. use ppez (236)

74 70 and (2022* or 2023*).ep. (126)

75 70 and 2023*.dp. (31)

76 or/72-75 (766)

77 remove duplicates from 76 (603)

78 limit 77 to yr="2021 -Current" (571)



Non-Neurogenic male Urinary Incontinence top up search n=76

Database: Embase <1974 to 2023 April 28>, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

- 1** exp urine incontinence/ or exp Urinary Incontinence/ or exp stress incontinence/ or exp urge incontinence/ or exp mixed incontinence/ (122853)
- 2** ((urine or urinae or urinate or urinary or stress or urge or mixed or bladder or over flow) adj3 incontinen*).tw,kw. (91222)
- 3** or/1-2 (142815)
- 4** ((neurogen* or neuropathic or neurologic* or neuro-urological) not (non or "not" or without or excluding or other than)).ti. (182763)
- 5** 3 not 4 (140249)
- 6** ("non-neurogenic" and urinary and incontinence).tw. (530)
- 7** 5 or 6 (140325)
- 8** Conservative Treatment/ (106860)
- 9** (conservative adj3 (treatment or therap* or management* or intervention*)).tw,kw. (166126)
- 10** (containment adj3 (device* or treatment or therap* or management* or intervention*)).tw,kw. (1503)
- 11** Penile clamp*.tw,kw. (110)
- 12** exp Cognitive Behavioral Therapy/ (62054)
- 13** ((behavior or behavioral or cognition or cognitive or psychotherap*) adj2 (treatment or therap* or management* or intervention*)).tw,kw. (167865)
- 14** exp Physical Therapy Modalities/ (283433)
- 15** (physical adj3 (treatment or therap* or management* or intervention*)).tw,kw. (121789)
- 16** (prompt* voiding or toileting program or bladder training).tw,kw. (1360)
- 17** exp Duloxetine Hydrochloride/ (15695)
- 18** (Duloxetine or Cymbalta).tw,kw. (8979)
- 19** exp transobturator tape/ or exp suburethral sling/ or exp Suburethral Slings/ (13154)
- 20** (sling or slings or Miniarc or Needleless or Solyx or "Mesh").tw,kw. (129162)
- 21** ("TVT" or "TOT" or "TVT-O" or Monarc or BioArc or Uratape).tw,kw. (12768)
- 22** (Fascia* Lata or Rectus fascia* or Raz).tw,kw. (6841)
- 23** (Synthetic or Dacron or "PTFE-Gore-Tex" or Mersilene).tw,kw. (734596)
- 24** ("Suspend" or Pelvicol or single incision or one incision or Ajust or Ophira).tw,kw. (15866)
- 25** (Argus or Saffyre or Remeex or InVance or "SIMS" or "ATOMS").tw,kw. (193058)
- 26** exp colposuspension/ (1813)
- 27** colposuspension.tw,kw. (2736)
- 28** (autologous fascial sling* or "AFS").tw,kw. (7978)
- 29** exp collagen/ or exp dextranomer/ or exp bulking agent/ or exp dimeticone/ (511403)
- 30** exp hydroxyapatite/ or exp Hyaluronic Acid/ or exp Hydrogel/ or exp polyacrylamide gel/ (221156)
- 31** (bulking or Bulkamid or Polyacrylamide hydrogel or hydroxyapatite).tw,kw. (69795)
- 32** (Zuidex or hyaluronic acid or dextranomer or Coaptite or Hydroxylapatite).tw,kw. (62383)
- 33** (Contigen or bovine collagen or Macroplastique or macroparticle* or Durasphere or zirconium oxide beads).tw,kw. (2998)
- 34** ((injection or injectable*) adj3 ureth*).tw,kw. (1100)
- 35** (compression device* or (artificial adj3 sphincter*) or "AUS" or adjustable continence).tw,kw. (20361)
- 36** exp electrostimulation therapy/ or exp electrostimulation/ or exp Electric Stimulation Therapy/ or exp Electric Stimulation/ (568158)
- 37** exp sacral nerve stimulation/ or exp Transcutaneous Electric Nerve Stimulation/ (17173)
- 38** exp nerve stimulation/ (171448)
- 39** (((nerve or electric* or electro*) adj3 stimulat*) or electrostimulation*).tw,kw. (242397)
- 40** ((electric* or electro) adj3 (neuromodulation or neuro-modulation or nerve modulation)).tw,kw. (1042)
- 41** ((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)).tw,kw. (23750)

- 42 Urologic Surgical Procedures/ (22877)
 - 43 exp bladder reconstruction/ (4177)
 - 44 (Cystoplast* or bladder plastic operation* or bladder plast* or vesicoplast*).tw,kw. (2597)
 - 45 exp urethral catheter/ (13714)
 - 46 exp urinary diversion/ (32296)
 - 47 (((urethral or transurethral) and catheter*) or Felxima or VaPro).tw,kw. (23438)
 - 48 ((suprapubic or urinary) adj5 (diversion* or catheter*)).tw,kw. (41191)
 - 49 exp cystostomy/ or cystostom*.tw,kw. (5888)
 - 50 detrusor myectomy*.tw,kw. (31)
 - 51 or/8-50 (3302194)
 - 52 7 and 51 (47606)
 - 53 (women/ or female/ or (women or woman or female*).tw,kw.) not (men/ or male/ or (men or man or male*).af.) (7004522)
 - 54 52 not 53 (22291)
 - 55 (Systematic review or meta-analysis).tw. (854369)
 - 56 Meta analysis/ or "systematic review"/ (866591)
 - 57 (Medline or Pubmed or Embase or Cochrane or literature search or literature review).tw. (1052092)
 - 58 random:.mp. or randomized controlled trial.pt. (3877328)
 - 59 clinical trial:.mp. or controlled clinical trial.pt. (3185388)
 - 60 double-blind:.mp. or placebo:.tw. or blind:.tw. (1225527)
 - 61 (groups or trial or controlled or compared).tw. (16238353)
 - 62 or/55-61 (19667463)
 - 63 54 and 62 (8585)
 - 64 (animals/ or animal/) not (humans/ or human/) (6260858)
 - 65 (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*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (4820351)
 - 66 (conference abstract or Conference Review).pt. (4751655)
 - 67 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (5405257)
 - 68 case report/ or case reports/ or (case report or a rare case).ti. (5298264)
 - 69 or/64-68 (23948723)
 - 70 63 not 69 (5687)
 - 71 limit 70 to english language (5187)
 - 72 limit 71 to ed=20230224-20230501 use ppez [Limit not valid in Embase; records were retained] (21)
 - 73 limit 71 to ez=20230224-20230501 use ppez [Limit not valid in Embase; records were retained] (21)
 - 74 limit 71 to dt=20230224-20230501 use ppez [Limit not valid in Embase; records were retained] (21)
 - 75 limit 71 to dd=20230224-20230501 use oomezd [Limit not valid in Ovid MEDLINE(R); records were retained] (14)
 - 76 limit 71 to dc=20230224-20230501 use oomezd (64)
 - 77 or/72-76 (95)
 - 78 remove duplicates from 77 (76)
-

Non-Neurogenic male underactive bladder n=40

Database: Embase <1974 to 2023 February 23>, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

-
- 1 hypotonic bladder/ (1055)
 - 2 Urinary Bladder, Underactive/ (1055)
 - 3 ((underactiv* or under-activ* or hypotonic or hypotonia or atonic or atonia or flaccid or acontractile or hypo-contract* or hypocontract* or areflexia) adj2 (bladder or detrusor*)).tw. (3578)
 - 4 (impaired adj2 contractility adj2 (bladder or detrusor*)).tw. (374)
 - 5 (urinary adj2 chronic adj2 retention).tw. (809)
 - 6 (detrusor adj (failure or instability)).tw. (2601)
 - 7 or/1-6 (7461)
 - 8 (female/ or women.tw.) not (male/ or (men or male or man).tw.) (6762735)
 - 9 7 not 8 (5141)
 - 10 conference abstract.pt. (4687091)
 - 11 9 not 10 (4287)
 - 12 case report/ or case reports/ or (case report or a rare case or a case).ti. (5506867)
 - 13 11 not 12 (3888)
 - 14 (gall bladder or gallbladder).tw. (95177)
 - 15 13 not 14 (3882)
 - 16 limit 15 to english language (3407)
 - 17 (animals/ or animal/) not (humans/ or human/) (6233313)
 - 18 16 not 17 (3281)
 - 19 limit 18 to yr="2022 -Current" (163)
 - 20 Epidemiology/ (251630)
 - 21 prevalence/ (1261680)
 - 22 incidence/ (859369)
 - 23 (epidemiolog* or prevalence or incidence or aetiology or etiology).ti. (993313)
 - 24 diagnosis/ (1424153)
 - 25 (diagnosis or diagnostic or prognostic or prognosis or clinical entity).ti. (1706605)
 - 26 Prognosis/ (1261909)
 - 27 ((diagnostic or prognostic) adj2 (accuracy or value* or performance)).tw. (469294)
 - 28 (sensitivity or specificity).tw. (2785644)
 - 29 (risk factor* or terminology or definition* or causality or cause*).ti. (1004737)
 - 30 risk/ or risk factors/ or causality/ (2485883)
 - 31 (pathophysiol* or physiopatholog* or patholog* or physiolog*).ti. (635696)
 - 32 Pathology/ (805310)
 - 33 Physiology/ (976585)
 - 34 Diagnosis.fs. (6445417)
 - 35 Etiology.fs. (5177977)
 - 36 (Pathology or Physiology or Physiopathology).fs. (7661199)
 - 37 Drug Therapy.fs. (6876841)
 - 38 Therapy.fs. (3790688)
 - 39 (treat* or intervention* or therap* or management).ti. (6754408)
 - 40 (pharma* or medical or medicine* or drug* or surgery or surgical or operat*).ti. (4543781)
 - 41 exp *surgery/ or exp *general surgery/ (2749075)
 - 42 Surgery.fs. (4529621)
 - 43 randomized controlled trial.pt. (587174)
 - 44 controlled clinical trial.pt. (95195)
 - 45 random*.mp. (3832570)
 - 46 placebo*.mp. (776126)
 - 47 trial.ab. (1593735)

48 groups.ab. (5993677)
49 (blind* or double-blind* or controlled).tw. (2674602)
50 or/20-49 (42024465)
51 19 and 50 (124)
52 (neurogen* not (without or "not" or "non" or none or exclud*)).ti. (41162)
53 51 not 52 (118)
54 (202208* or 202209* or 202210* or 202211* or 202212* or 2023*).dc. (1486990)
55 53 and 54 (37)
56 (202208* or 202209* or 202210* or 202211* or 202212* or 2023*).dt. (913243)
57 53 and 56 (13)
58 53 and 2023*.ep. (0)
59 55 or 57 or 58 (50)
60 remove duplicates from 59 (40)

Non-Neurogenic male underactive bladder top up search n=27

Database: Embase <1974 to 2023 April 28>, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

- 1** hypotonic bladder/ (1092)
- 2** Urinary Bladder, Underactive/ (1092)
- 3** ((underactiv* or under-activ* or hypotonic or hypotonia or atonic or atonia or flaccid or acontractile or hypo-contract* or hypocontract* or areflexia) adj2 (bladder or detrusor*)).tw. (3627)
- 4** (impaired adj2 contractility adj2 (bladder or detrusor*)).tw. (377)
- 5** (urinary adj2 chronic adj2 retention).tw. (820)
- 6** (detrusor adj (failure or instability)).tw. (2603)
- 7** or/1-6 (7533)
- 8** (female/ or women.tw.) not (male/ or (men or male or man).tw.) (6812199)
- 9** 7 not 8 (5201)
- 10** conference abstract.pt. (4736773)
- 11** 9 not 10 (4328)
- 12** case report/ or case reports/ or (case report or a rare case or a case).ti. (5541639)
- 13** 11 not 12 (3922)
- 14** (gall bladder or gallbladder).tw. (95905)
- 15** 13 not 14 (3916)
- 16** limit 15 to english language (3441)
- 17** (animals/ or animal/) not (humans/ or human/) (6260858)
- 18** 16 not 17 (3314)
- 19** limit 18 to yr="2022 -Current" (195)
- 20** Epidemiology/ (254128)
- 21** prevalence/ (1276580)
- 22** incidence/ (868257)
- 23** (epidemiolog* or prevalence or incidence or aetiology or etiology).ti. (1002988)
- 24** diagnosis/ (1425537)
- 25** (diagnosis or diagnostic or prognostic or prognosis or clinical entity).ti. (1723831)
- 26** Prognosis/ (1269647)
- 27** ((diagnostic or prognostic) adj2 (accuracy or value* or performance)).tw. (476313)
- 28** (sensitivity or specificity).tw. (2814579)
- 29** (risk factor* or terminology or definition* or causality or cause*).ti. (1014919)
- 30** risk/ or risk factors/ or causality/ (2510021)
- 31** (pathophysiolog* or physiopatholog* or patholog* or physiolog*).ti. (640933)
- 32** Pathology/ (808578)
- 33** Physiology/ (979510)
- 34** Diagnosis.fs. (6494273)
- 35** Etiology.fs. (5200646)
- 36** (Pathology or Physiology or Physiopathology).fs. (7682798)
- 37** Drug Therapy.fs. (6938796)
- 38** Therapy.fs. (3814965)
- 39** (treat* or intervention* or therap* or manag*).ti. (6950086)
- 40** (pharma* or medical or medicine* or drug* or surgery or surgical or operat*).ti. (4582312)
- 41** exp *surgery/ or exp *general surgery/ (2771947)
- 42** Surgery.fs. (4563369)
- 43** randomized controlled trial.pt. (591610)
- 44** controlled clinical trial.pt. (95284)
- 45** random*.mp. (3877328)
- 46** placebo*.mp. (781744)
- 47** trial.ab. (1615364)

- 48** groups.ab. (6061974)
 - 49** (blind* or double-blind* or controlled).tw. (2703157)
 - 50** or/20-49 (42424634)
 - 51** 19 and 50 (146)
 - 52** (neurogen* not (without or "not" or "non" or none or exclud*)).ti. (41499)
 - 53** 51 not 52 (141)
 - 54** limit 53 to ed=20230223-20230501 use ppez [Limit not valid in Embase; records were retained] (6)
 - 55** limit 53 to ez=20230223-20230501 use ppez [Limit not valid in Embase; records were retained] (11)
 - 56** limit 18 to dt=20230223-20230501 use ppez [Limit not valid in Embase; records were retained] (17)
 - 57** limit 53 to dd=20230223-20230501 use oomezd [Limit not valid in Ovid MEDLINE(R); records were retained] (9)
 - 58** limit 18 to dc=20230223-20230501 use oomezd (22)
 - 59** or/54-58 (41)
 - 60** remove duplicates from 59 (27)
-

Non-Neurogenic male underactive bladder original scope search n=929

Database: Embase <1974 to 2022 August 26>, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present

Search Strategy:

-
- 1 hypotonic bladder/ (977)
 - 2 Urinary Bladder, Underactive/ (977)
 - 3 ((underactiv* or under-activ* or hypotonic or hypotonia or atonic or atonia or flaccid or acontractile or hypo-contract* or hypocontract* or areflexia) adj2 (bladder or detrusor*)).tw. (3482)
 - 4 (impaired adj2 contractility adj2 (bladder or detrusor*)).tw. (366)
 - 5 (urinary adj2 chronic adj2 retention).tw. (787)
 - 6 (detrusor adj2 (failure or instability)).tw. (2672)
 - 7 or/1-6 (7377)
 - 8 (female/ or women.tw.) not (male/ or (men or male or man).tw.) (6573016)
 - 9 7 not 8 (5091)
 - 10 conference abstract.pt. (4509958)
 - 11 9 not 10 (4252)
 - 12 case report/ or case reports/ or (case report or a rare case or a case).ti. (5364041)
 - 13 11 not 12 (3861)
 - 14 gall bladder.tw. (15104)
 - 15 13 not 14 (3855)
 - 16 limit 15 to english language (3375)
 - 17 (animals/ or animal/) not (humans/ or human/) (6168227)
 - 18 16 not 17 (3246)
 - 19 limit 18 to yr="2002 -Current" (1939)
 - 20 remove duplicates from 19 (1176)
 - 21 Epidemiology/ (246881)
 - 22 prevalence/ (1200080)
 - 23 incidence/ (809823)
 - 24 (epidemiolog* or prevalence or incidence or aetiology or etiology).ti. (955384)
 - 25 diagnosis/ (1395799)
 - 26 (diagnosis or diagnostic or prognostic or prognosis or clinical entity).ti. (1640190)
 - 27 Prognosis/ (1224719)
 - 28 ((diagnostic or prognostic) adj (accuracy or value* or performance)).tw. (429236)
 - 29 (sensitivity or specificity).tw. (2674734)
 - 30 (risk factor* or terminology or definition* or causality).ti. (406851)
 - 31 risk/ or risk factors/ or causality/ (2401127)
 - 32 (pathophysiolog* or physiopatholog* or patholog* or physiolog*).ti. (615940)
 - 33 Pathology/ (800482)
 - 34 Physiology/ (971857)
 - 35 Diagnosis.fs. (6322581)
 - 36 Etiology.fs. (5119891)
 - 37 (Pathology or Physiology or Physiopathology).fs. (7607163)
 - 38 Drug Therapy.fs. (6726422)
 - 39 Therapy.fs. (3729483)
 - 40 (treat* or intervention* or therap* or management).ti. (6504138)
 - 41 (pharma* or medical or medicine* or drug* or surgery or surgical or operat*).ti. (4385340)
 - 42 exp *surgery/ or exp *general surgery/ (2654497)
 - 43 Surgery.fs. (4447858)
 - 44 randomized controlled trial.pt. (575746)
 - 45 controlled clinical trial.pt. (95006)
 - 46 random*.mp. (3667970)
 - 47 placebo*.mp. (753044)

48 trial.ab. (1510053)
49 groups.ab. (5739538)
50 (blind* or double-blind*).tw. (809515)
51 or/21-50 (40150054)
52 20 and 51 (972)
53 (neurogen* not (without or "not" or "non" or none or exclud*)).ti. (39829)
54 52 not 53 (929)
