

Database: OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present, Embase <1974 to 2019 April 04>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to March 27, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <March 2019>

Search Strategy:

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- 1 exp Lower Urinary Tract Symptoms/ (53390)
 - 2 ((lower urinary or bladder or urethra* or urination or LUT) adj4 (symptom* or complain*)).tw. (34082)
 - 3 LUTS.tw. (12395)
 - 4 exp prostate hypertrophy/ or exp Prostatic Hyperplasia/ (56421)
 - 5 exp prostate adenoma/ (1059)
 - 6 (benign adj5 (prostate or prostatic) adj5 (obstruction* or enlarge*)).kw,tw. (4506)
 - 7 ((prostate or prostatic) adj2 (hyperplasia or hypertroph* or adenoma*)).tw,kw. (48329)
 - 8 (BPH or BPO or BPE or BOO or OAB).tw. (44407)
 - 9 exp bladder obstruction/ or exp bladder neck stenosis/ or exp Urinary Bladder Neck Obstruction/ (12311)
 - 10 (benign adj5 bladder adj5 (sclerosis or obstruction* or obstructed voiding or neck strangulation or stenosis or stenoses or scleroses or contracture or stricture* or narrow* or fistula*)).tw,kw. (970)
 - 11 exp overactive bladder/ (19315)
 - 12 ((Overactive or overactivity or over activit*) adj2 (bladder or detrusor)).kw,tw. (25021)
 - 13 (((detrusor or bladder) adj2 (underactivit* or failure or acontractile or hypocontract*)) or DUA).tw,kw. (2226)
 - 14 or/1-13 (161859)
 - 15 exp "Transurethral Resection of Prostate"/ (21861)
 - 16 ((transurethra* or trans-urethra*) and prostat*).tw,kw. (22100)
 - 17 (TUR or TURP or TURPs or Vlap or TUNA or TUVP).tw,kw. (20842)
 - 18 (Vaporization or vaporisation or evaporation or vapor).tw,kw. (111065)
 - 19 or/15-18 (152982)
 - 20 (bipolar or bi polar or "B-TURP").tw,kw. (151177)
 - 21 19 and 20 (1736)
 - 22 or/4-10 (95688)
 - 23 21 and 22 (1121)
 - 24 (Systematic review or meta-analysis).tw,kw. (496940)
 - 25 Meta analysis/ (258586)
 - 26 (Medline or Embase or Cochrane or Pubme or literature search or literature review).tw. (550487)
 - 27 random:.mp. or randomized controlled trial.pt. (3905384)
 - 28 double-blind:.mp. or placebo:.tw. or blind:.tw. or (trial or groups).ab. (6720863)
 - 29 clinical trial:.mp. or controlled clinical trial.pt. (3056096)

30 exp cohort analysis/ or exp Cohort Studies/ (2433603)
31 (cohort or cohorts).tw. (1402035)
32 prospective\$.tw. (1783753)
33 ((comparative or comparison or evaluat* or multicenter) adj3 (studies or study)).tw. (1614911)
34 ((population or hospital) adj based).tw. (335073)
35 controlled study/ or major clinical study/ (8313889)
36 comparative study/ (2620967)
37 (groups or trial* or controlled or compared).tw. (13554208)
38 ((diagnostic adj (accuracy or performance or value*)) or sensitiv* or specific* or predictive value* or NPV or PPV).tw. (8749306)
39 (criterion standard* or false negative or false positive or gold standard* or reference standard* or receiver operat* curve* or ROC or SROC or screening).tw. (1587735)
40 (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. (35734)
41 exp diagnostic test accuracy study/ or exp diagnostic accuracy/ (298878)
42 exp diagnostic procedure/ or exp diagnostic test/ (15873369)
43 exp "Sensitivity and Specificity"/ or exp sensitivity analysis/ (987751)
44 exp "Predictive Value of Tests"/ or exp predictive value/ (341228)
45 exp False Negative Reactions/ or exp False Positive Reactions/ (72714)
46 exp Likelihood Functions/ or exp Reference Standards/ (602760)
47 exp ROC Curve/ or receiver operating characteristic/ (155129)
48 or/24-47 (35010991)
49 14 and 48 (115671)
50 or/24-29 (10097721)
51 23 and 50 (730)
52 (urinary tract infection* or prostatitis or stones or neurogenic or urethral stricture* or trauma).ti. (233473)
53 (cancer* or carcinoma* or tumour or tumor or neoplasm* or nocturia).ti. (3570783)
54 52 or 53 (3802252)
55 (non or "not" or without or excluding or other than).ti. (1695549)
56 54 not 55 (3607198)
57 49 not 56 (98099)
58 51 or 57 (98110)
59 limit 58 to english language [Limit not valid in CDSR; records were retained] (86056)
60 male/ or (men or man or male*).tw,af. (17791622)
61 59 and 60 (51010)
62 (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\$.ti.) not (humans/ or human/ or human experiment/ or (human* or men or women or patients or subjects).tw.) (9967248)

63 (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 kid or kids or adolescen* or preschool or pre-school or toddler*).ti.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (3652425)

64 case report/ or case reports/ or (case report or case series).ti. (4386548)

65 note/ or editorial/ or letter/ or Comment/ or news/ (4202778)

66 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3621166)

67 or/62-66 (23439884)

68 61 not 67 (35597)

69 limit 68 to ed=20180501-20190405 use ppez [Limit not valid in Embase,CDSR,CCTR; records were retained] (792)

70 limit 68 to dd=20180501-20190405 use oomezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) Daily Update,Ovid MEDLINE(R) In-Process,Ovid MEDLINE(R) Publisher,CDSR,CCTR; records were retained] (322)

71 68 and (201806* or 201807* or 201808* or 201809* or 201810* or 201811* or 201812* or 2019*).ep. use ppez (322)

72 68 and (201806* or 201807* or 201808* or 201809* or 201810* or 201811* or 201812* or 2019*).dc. use oomezd (957)

73 68 and (201806* or 201807* or 201808* or 201809* or 201810* or 201811* or 201812* or 2019*).dt. use ppez (391)

74 limit 68 to yr="2018 -current" use cctr (140)

75 limit 68 to yr="2018 -current" use coch (21)

76 68 and (201806* or 201807* or 201808* or 201809* or 201810* or 201811* or 201812* or 2019*).dp. (244)

77 or/69-76 (2169)

78 limit 77 to yr="2018 -Current" (1766)

79 remove duplicates from 78 (1304)
