

# 2020 EAU Sexual and Reproductive Health Search

## 1. Epidemiology and prevalence of adult hypogonadism

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 January 14>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to January 9, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <December 2018>

Search Strategy:

- 
- 1 exp hypogonadism/ (27809)
  - 2 (hypogonadism or hypogonadal).tw,kw. (29284)
  - 3 ((low or reduction or absence or deficiency or insufficiency or lack or deficit or shortfall or paucity or shortage or scarcity) adj3 (testosterone\* or (testes adj3 hormone\*))).tw. (13260)
  - 4 or/1-3 (50638)
  - 5 female/ not (exp male/ or (men or man or male\*).tw.) (5370400)
  - 6 4 not 5 (46112)
  - 7 (Prevalence\* or incidence\* or epidemiology).tw. (3187107)
  - 8 exp Prevalence/ (918506)
  - 9 exp \*Incidence/ (22914)
  - 10 exp \*epidemiology/ or exp \*Epidemiologic Methods/ (1018613)
  - 11 or/7-10 (4202418)
  - 12 6 and 11 (5956)
  - 13 (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 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human\* or men or women or patients or subjects).tw.) (10332173)
  - 14 (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\*).tw.) not (adult/ or aged/ or (aged or adult\* or elder\* or senior\* or men or women).tw.) (4059651)
  - 15 case report/ or case reports/ or case report.ti. (4308051)

- 16 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4299621)
- 17 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3502806)
- 18 or/13-17 (23950344)
- 19 12 not 18 (4027)
- 20 limit 19 to yr="2013 -Current" (1616)
- 21 remove duplicates from 20 (1044)
- 22 (Systematic review or meta-analysis).tw,kw. or (Medline or Embase or Pubmed or Cochrane or literature search or literature review).ab. (769385)
- 23 21 and 22 (117)
- 24 ((Prevalence\* or incidence\* or epidemiolog\*) and (hypogonadism or testosterone)).ti. (387)
- 25 21 and 24 (50)
- 26 23 or 25 (167)
- 27 remove duplicates from 26 (167)
- 28 limit 27 to english language [Limit not valid in CDSR; records were retained] (160)

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## 2. Testosterone Deficiency Syndrome/Late-Onset Hypogonadism

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 January 16>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to January 16, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <December 2018>

Search Strategy:

- 
- 1 exp hypogonadism/ (27822)
  - 2 (hypogonadism or hypogonadal).tw,kw. (29294)
  - 3 ((low or reduction or absence or deficiency or insufficiency or lack or deficit or shortfall or paucity or shortage or scarcity) adj3 testosterone\*).tw. (13260)
  - 4 exp Puberty, Delayed/ (4316)
  - 5 ((puberty or puberta) adj2 (delay or delayed or retarda or retardation or retarded)).tw,kw. (4660)
  - 6 androgen deficienc\*.tw. (3248)
  - 7 or/1-6 (57181)

8 (female/ or (women or woman).tw.) not (exp male/ or (men or man or male\*).tw.) (5675093)  
9 7 not 8 (50735)  
10 (physiology adj3 testosterone\*).tw. (93)  
11 (role\* adj5 testosterone\* adj5 (sex\* or reproduct\*)).tw. (369)  
12 ((classif\* or cause\*) adj5 testosterone deficiency).tw. (87)  
13 ((aging or age) adj5 (late onset hypogonadism or functional hypogonadism)).tw. (123)  
14 (Physiolog\* or role\* or definition\* or aging).ti. (1495152)  
15 (late onset hypogonadism or functional hypogonadism or Testosterone deficiency syndrome  
or (prepubertal and androgen deficienc\*) or delayed puberty or pubertal hypogonadism).ti. (1506)  
16 or/10-15 (1497053)  
17 9 and 16 (3743)  
18 (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 or basic research or cell lines or in vitro or  
animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human\* or men  
or women or patients or subjects).tw.) (10333704)  
19 case report/ or case reports/ or case report.ti. (4309154)  
20 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment  
or news).pt. (4299910)  
21 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal:  
Conference Abstract".pt. (3504759)  
22 or/18-21 (21274193)  
23 17 not 22 (2712)  
24 (Systematic review or meta-analysis).tw,kw. or (Medline or Embase or Pubmed or  
Cochrane or literature search or literature review).ab. (769887)  
25 23 and 24 (108)  
26 9 and (14 or 15) (3539)  
27 26 not 22 (2553)  
28 25 or 27 (2577)  
29 limit 28 to yr="2013 -Current" (684)  
30 limit 29 to english language [Limit not valid in CDSR; records were retained] (623)  
31 remove duplicates from 30 (345)

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### 3. TDS and Management

1	hypogonadism.ti.	7549
2	((low or reduction or absence or deficiency or insufficiency or lack or deficit or shortfall or paucity or shortage or scarcity) and testosterone*).ti.	3339
3	or/1-2	10810
4	(female/ or (women or woman).tw.) not (exp male/ or (men or man or male*).tw.)	5690353
5	3 not 4	9975
6	(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 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human* or men or women or patients or subjects).tw.)	10355634
7	case report/ or case reports/ or case report.ti.	4319977
8	note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt.	4316630
9	conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt.	3522962
10	(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*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.)	4069898
11	or/6-10	24024093
12	5 not 11	5881
13	exp *hypogonadism/	14289
14	hypogonadism.tw.	24879
15	((low or reduction or absence or deficiency or insufficiency or lack or deficit or shortfall or paucity or shortage or scarcity) adj3 testosterone*).tw.	13314
16	or/13-15	41541
17	16 not (4 or 11)	21564
18	(Systematic review or meta-analysis).tw,kw. or (Medline or Embase or Pubmed or Cochrane or literature search or literature review).ab.	775392
19	random*.mp.	3623855

20	placebo:.mp.	893069
21	double-blind:.mp. or blind:.tw.	1062439
22	randomized controlled trial.pt.	937536
23	or/18-22	4793342
24	17 and 23	3282
25	12 or 24	8236
26	limit 25 to yr="2013 -Current"	2985
27	limit 26 to english language [Limit not valid in CDSR; records were retained]	2800
28	remove duplicates from 27	1524

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#### 4. **Epidemiology and Prevalence of Sexual Dysfunction and Disorders of Male Reproductive Health**

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 January 30>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to January 30, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <December 2018>

Search Strategy:

- 
- 1 exp \*sexual dysfunction/ (32181)
  - 2 exp \*Sexual Dysfunctions, Psychological/ or exp \*Sexual Dysfunction, Physiological/ (63200)
  - 3 (sexual\* adj3 (dysfunction\* or abnormal\* or insufficien\* or problem\* or disabil\* or disturban\* or disorder\* or asthenia or impoten\* or impair\* or defect\* or deficit or hypoactive or dissatisfact\* or illness or difficulties)).tw,kw. (54190)
  - 4 (orgasm\* adj3 (dysfunction\* or abnormal\* or insufficien\* or problem\* or disabil\* or disturban\* or disorder\* or asthenia or impoten\* or impair\* or defect\* or deficit or hypoactive or dissatisfact\* or illness or difficulties)).tw,kw. (2099)
  - 5 ((sexual desire or LIBIDO or sexual function\*) adj3 (low or lost)).tw,kw. (1663)
  - 6 ((erection or erectile or ejaculat\* or orgasm\*) adj3 (dysfunction\* or abnormal\* or insufficien\* or problem\* or disabil\* or disturban\* or disorder\* or asthenia or impoten\* or impair\* or defect\* or deficit or hypoactive or dissatisfact\* or illness)).tw,kw. (47154)
  - 7 (ejaculat\* adj2 (premature or praecox\* or delayed or decreased volume)).tw,kw. (4922)
  - 8 or/1-7 (117234)

9 (female/ or (female or women or woman).tw.) not (exp male/ or (men or man or male\*).tw.) (5813487)

10 8 not 9 (98766)

11 (Prevalence\* or incidence\* or epidemiology).tw. (3205577)

12 exp \*Prevalence/ (59678)

13 exp \*Incidence/ (23182)

14 exp \*epidemiology/ or exp \*Epidemiologic Methods/ (1021590)

15 screening.ti. (335133)

16 or/11-15 (4273352)

17 10 and 16 (14271)

18 (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 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human\* or men or women or patients or subjects).tw.) (10360917)

19 (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\*).tw.) not (adult/ or aged/ or (aged or adult\* or elder\* or senior\* or men or women).tw.) (4073834)

20 case report/ or case reports/ or case report.ti. (4317966)

21 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4322590)

22 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3519118)

23 or/18-22 (24034874)

24 17 not 23 (10967)

25 limit 24 to yr="2013 -Current" (3739)

26 (Systematic review or meta-analysis).tw,kw. or (Medline or Embase or Pubmed or Cochrane or literature search or literature review).ab. (778163)

27 25 and 26 (597)

28 (Prevalence\* or incidence\* or epidemiolog\* or screening).ti. (1044172)

29 25 and 28 (605)

30 27 or 29 (1130)

31 remove duplicates from 30 (703)

32 limit 31 to english language [Limit not valid in CDSR; records were retained] (660)

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## 5. Erectile Dysfunction

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 January 25>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to January 23, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <December 2018>

Search Strategy:

- 
- 1 exp \*Erectile Dysfunction/ (25128)
  - 2 ((erection or erectile) and dysfunction\*).ti. (18385)
  - 3 (male impotence or male sexual impotence).ti. (240)
  - 4 or/1-3 (29284)
  - 5 exp male/ or (men or man or male\*).af. (17573435)
  - 6 4 and 5 (26558)
  - 7 (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 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human\* or men or women or patients or subjects).tw.) (10344776)
  - 8 (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\*).tw.) not (adult/ or aged/ or (aged or adult\* or elder\* or senior\* or men or women).tw.) (4065050)
  - 9 case report/ or case reports/ or case report.ti. (4314136)
  - 10 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4308805)
  - 11 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3516420)
  - 12 or/7-11 (23992541)
  - 13 6 not 12 (20203)
  - 14 (Systematic review or meta-analysis).tw,kw. or (Medline or Embase or Pubmed or Cochrane or literature search or literature review).ab. (772765)
  - 15 random\*.mp. (3618570)
  - 16 placebo:.mp. (892259)
  - 17 double-blind:.mp. or blind:.tw. (1061355)

- 18 randomized controlled trial.pt. (937092)
- 19 (definition\* or classification\* or diagnosis or diagnostic or glycemia or cardiovascular or heart or work-up).tw. (7506201)
- 20 (penile duplex or cavernosometry or cavernosography or arteriography or psycholog\* or Psychiatric or psychosexual).tw. (1008139)
- 21 (Nocturnal penile tumescence or rigidity test or Intracavernous injection test or Dynamic Duplex ultrasound).tw. (1234)
- 22 or/14-21 (12117371)
- 23 13 and 22 (10014)
- 24 limit 23 to yr="2013 -Current" (2427)
- 25 limit 24 to english language [Limit not valid in CDSR; records were retained] (2168)
- 26 remove duplicates from 24 (1462)

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## 6. Disorders of Ejaculation

Database: Embase <1974 to 2019 January 31>, OVID Medline Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present, EBM Reviews - Cochrane Central Register of Controlled Trials <December 2018>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to January 30, 2019>

Search Strategy:

- 
- 1 exp \*Premature Ejaculation/ or exp \*Ejaculation/ (6760)
  - 2 (ejaculat\* adj3 (premature or Retarded or praecox\* or delayed or decreased volume or painful or early or rapid or Retrograde)).tw,kw. (7448)
  - 3 (ejaculat\* adj3 (dysfunction\* or abnormal\* or insufficien\* or problem\* or disabil\* or disturban\* or disorder\* or asthenia or impoten\* or impair\* or defect\* or deficit or hypoactive or dissatisfact\* or illness or difficulties)).tw,kw. (4429)
  - 4 Anejaculation.tw. (680)
  - 5 Anorgasmia.tw. (791)
  - 6 (haemospermia or hemospermia or haemospermia or hematospermia).tw. or exp \*Hemospermia/ (1407)
  - 7 or/1-6 (15681)
  - 8 (Definition\* or classification\*).tw. (1038390)



- 9 (pathophysiology\* or risk factor\* or causesv or pathology or physiology or neurophysiology).tw. (2618713)
- 10 (Quality of life or questionnaire\*).tw. (1686705)
- 11 (Diagnostic or diagnosis).ti. or (dianostic work-up or ejaculatory latency time or intravaginal latency or Physical examination or diagnostic evaluation or investigation or imaging).tw. (3879458)
- 12 (Psychological or behavioral or behavioural).tw. (1183230)
- 13 (Prevalence\* or incidence\* or epidemiology).tw. (3197120)
- 14 exp Prevalence/ (922271)
- 15 exp \*Incidence/ (23208)
- 16 exp \*epidemiology/ or exp \*Epidemiologic Methods/ (1021924)
- 17 or/8-16 (12209344)
- 18 7 and 17 (7063)
- 19 (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 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human\* or men or women or patients or subjects).tw.) (10349426)
- 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 kid or kids 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.) (4067035)
- 21 case report/ or case reports/ or case report.ti. (4316894)
- 22 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4311526)
- 23 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3519647)
- 24 or/19-23 (24005859)
- 25 18 not 24 (5031)
- 26 (Systematic review or meta-analysis).tw,kw. or (Medline or Embase or Pubmed or Cochrane or literature search or literature review).ab. (773833)
- 27 random\*.mp. (3620554)
- 28 placebo:.mp. (892567)
- 29 double-blind:.mp. or blind:.tw. (1061807)
- 30 randomized controlled trial.pt. (937278)
- 31 or/26-30 (4788636)

- 32 7 and 31 (3333)
- 33 32 not 24 (2603)
- 34 25 or 33 (6016)
- 35 limit 34 to yr="2013 -Current" (2068)
- 36 limit 35 to english language [Limit not valid in CDSR; records were retained] (1848)
- 37 remove duplicates from 36 (993)

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## 7. Low Sexual Desire

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 February 04>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to January 30, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <December 2018>

Search Strategy:

- 
- 1 exp libido disorder/ (5888)
  - 2 ((sexual or sex or love\*) adj3 (desire\* or drive or pleasure or interest\* or seek\* or motivat\* or behavior\* or behaviour\*) adj5 (low or lower or lost or loss of or decrease\* or less or lessen\* or diminish\* or short of)).tw,kw. (6868)
  - 3 (Libido adj5 (low or lower or lost or loss of or decrease\* or less or lessen\* or diminish\* or short of)).tw,kw. (4935)
  - 4 libido disorder\*.tw,kw. (88)
  - 5 or/1-4 (16090)
  - 6 (female/ or (female or women or woman).tw.) not (exp male/ or (men or man or male\*).tw.) (5810152)
  - 7 5 not 6 (12098)
  - 8 (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 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human\* or men or women or patients or subjects).tw.) (10352830)
  - 9 (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\*).tw.) not  
(adult/ or aged/ or (aged or adult\* or elder\* or senior\* or men or women).tw.) (4068911)

10 case report/ or case reports/ or case report.ti. (4319253)

11 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment  
or news).pt. (4314745)

12 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal:  
Conference Abstract".pt. (3522883)

13 or/8-12 (24017937)

14 7 not 13 (8694)

15 (Systematic review or meta-analysis).tw,kw. or (Medline or Embase or Pubmed or  
Cochrane or literature search or literature review).ab. (774760)

16 random\*.mp. (3622693)

17 placebo:.mp. (892915)

18 double-blind:.mp. or blind:.tw. (1062209)

19 randomized controlled trial.pt. (937381)

20 or/15-19 (4791609)

21 14 and 20 (2674)

22 ((sexual or sex or love\*) and (desire\* or drive or pleasure or interest\* or seek\* or motivat\* or  
behavior\* or behaviour\*) and (low or lower or lost or loss of or decrease\* or less or lessen\* or  
diminish\* or short of)).ti. (723)

23 Libido.ti. (834)

24 22 or 23 (1552)

25 24 not (6 or 13) (571)

26 21 or 25 (3194)

27 limit 26 to yr="2013 -Current" (906)

28 limit 27 to english language [Limit not valid in CDSR; records were retained] (870)

29 remove duplicates from 28 (634)

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## 8. Penile Curvature

Database: Embase <1974 to 2019 February 05>, OVID Medline Epub Ahead of Print, In-Process  
& Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present,  
EBM Reviews - Cochrane Central Register of Controlled Trials <December 2018>, EBM Reviews  
- Cochrane Database of Systematic Reviews <2005 to January 30, 2019>

Search Strategy:

- 
- 1 exp \*Peyronie disease/ (4114)
  - 2 exp \*Penile Induration/ (4114)
  - 3 ((Peyronie\* or peyronis) adj2 disease).tw,kw. (4943)
  - 4 ((penile or penis) adj5 (induratio\* or deformit\* or fibromatosis or plasticus or plastica)).tw,kw. (1871)
  - 5 ((penile or penis) adj5 (strabismus or fibrous plaque or curvature or curved or bend or bent)).tw,kw. (2712)
  - 6 fibrous cavern\*.tw. (253)
  - 7 or/1-6 (7337)
  - 8 (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 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human\* or men or women or patients or subjects).tw.) (10355634)
  - 9 (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\*).tw.) not (adult/ or aged/ or (aged or adult\* or elder\* or senior\* or men or women).tw.) (4069898)
  - 10 case report/ or case reports/ or case report.ti. (4319977)
  - 11 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4316630)
  - 12 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3522962)
  - 13 or/8-12 (24024093)
  - 14 7 not 13 (4455)
  - 15 (Systematic review or meta-analysis).tw,kw. or (Medline or Embase or Pubmed or Cochrane or literature search or literature review).ab. (775392)
  - 16 random\*.mp. (3623855)
  - 17 placebo:.mp. (893069)
  - 18 double-blind:.mp. or blind:.tw. (1062439)
  - 19 randomized controlled trial.pt. (937536)
  - 20 or/15-19 (4793342)
  - 21 14 and 20 (639)
  - 22 (Peyronie\* or peyronis).ti. (3797)

- 23 ((penile or penis) and (induratio\* or deformit\* or fibromatosis or plasticus or plastica)).ti.  
(511)
- 24 ((penile or penis) and (strabismus or fibrous plaque or curvature or curved or bend or bent)).ti. (692)
- 25 fibrous cavern\*.ti. (169)
- 26 or/22-25 (4913)
- 27 26 not 13 (3152)
- 28 21 or 27 (3307)
- 29 limit 28 to yr="2013 -Current" (864)
- 30 limit 29 to english language [Limit not valid in CDSR; records were retained] (818)
- 31 remove duplicates from 30 (456)

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## 10. Male Infertility

- 1 exp \*male infertility/ 40559  
((male or males or men or man) adj2 (infertil\* or subfertil\* or infecundity or
- 2 sterility)).tw. 41034  
((male or males or men or man) adj2 (fertility adj2 (failure or disorder\* or
- 3 impotence or insufficiency))).tw. 914  
(azoospermia or asthenozoospermia or oligospermia or azoospermia or
- 4 teratozoospermia or oligoasthenoteratozoospermia or oligozoospermia).tw. 19618  
(spermatogen\* adj (failure or disorder\* or dysfunction or impair\* or problem\* or
- 5 disab\* or abnormal\* or disturban\* or impotence or insufficien\*)).tw. 2239
- 6 exp \*Cryptorchidism/ 11961
- 7 (Cryptorchidism or undescended teste\*).tw. 12113
- 8 exp \*Varicocele/ 8189
- 9 Varicocele\*.tw,kw. 11654
- 10 or/1-9 93745  
(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
- 11 marmoset\$1 or basic research or cell lines or in vitro or animal model or 10364461

canine).tw.) not (humans/ or human/ or human experiment/ or (human\* or men or women or patients or subjects).tw.)

(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\*).tw.) not (adult/ or aged/ or

12	(aged or adult* or elder* or senior* or men or women).tw.)	4070040
13	case report/ or case reports/ or case report.ti.	4336550
14	note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt.	4302763
15	conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt.	3537971
16	or/11-15	24049405
17	10 not 16	58194
18	(Systematic review or meta-analysis).tw,kw. or (Medline or Embase or Pubmed or Cochrane or literature search or literature review).ab.	776055
19	random*.mp.	3635373
20	placebo:.mp.	876650
21	double-blind:.mp. or blind:.tw.	1055965
22	randomized controlled trial.pt.	938390
23	or/18-22	4805976
24	17 and 23	5274
25	(male adj2 (infertil* or subfertil* or infecundity or sterility)).ti.	11300
26	azoospermia.ti.	4045
27	(Cryptorchidism or undescended teste*).ti.	4410
28	Varicocele*.ti.	8392
29	or/25-28	27608
30	29 not 16	18147
31	24 or 30	21528
32	limit 31 to yr="2013 -Current"	5479
33	limit 32 to english language [Limit not valid in CDSR; records were retained]	4884
34	remove duplicates from 33	2831

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## 12. Late Effects, Survivorship and Men's Health

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 February 14>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to February 13, 2019>, EBM Reviews - Cochrane Central Register of Controlled Trials <January 2019>

Search Strategy:

- 
- 1 exp Cancer Survivors/ or exp cancer survivor/ (21550)
  - 2 ((cancer\* or carcinoma\* or malignan\* or tumor\* or tumour\* or neoplas\* or adenocarcinoma\* or leukemia) adj5 surviv\*).tw,kw. (352157)
  - 3 exp Neoplasms/ and exp Survivors/ (43740)
  - 4 ((post or after) adj5 (pelvic surgery or prostatectomy or prostat\* surgery or urological diseases or urological surgery)).tw,kw. (24627)
  - 5 or/1-4 (388887)
  - 6 exp Child/ or exp Infant/ or exp Minors/ or exp Adolescent/ or exp adolescence/ or exp Pediatrics/ or exp newborn/ or exp Puberty/ or exp Schools/ or high school/ or kindergarten/ or middle school/ or nursery school/ or primary school/ or school/ (7031191)
  - 7 (baby or babies or child or children or neonatal or pediatric\* or paediatric\* or peadiatric\* or infan\* or neonat\* or newborn\* or new born\* or kid or kids or adolescen\* or preschool or pre-school or toddler\*).tw,kw. (4548567)
  - 8 (postmatur\* or prematur\* or preterm\* or perinat\* or boy\* or girl\* or teen\* or minors or prepubescen\* or prepuberty\* or pubescen\* or puber\*).tw,kw. (1227382)
  - 9 (elementary school\* or high school\* or highschool\* or kindergar\* or nursery school\* or primary school\* or secondary school\* or youth\* or young or student\* or juvenil\* or underage\* or (under\* adj age\*) or under 16).tw,kw. (2024067)
  - 10 or/6-8 (8601129)
  - 11 5 and 10 (46113)
  - 12 ((sexual or reproductive) adj3 (function or dysfunction or health or late effect\*)).tw,kw. (121189)
  - 13 (cryopreservation or sperm banking or azoospermia).tw,kw. (51763)
  - 14 exp \*sexual dysfunction/ (32225)
  - 15 exp \*Sexual Dysfunctions, Psychological/ or exp \*Sexual Dysfunction, Physiological/ (63281)
  - 16 (sexual\* adj (dysfunction\* or abnormal\* or insufficien\* or problem\* or disabil\* or disturban\* or disorder\* or asthenia or impoten\* or impair\* or defect\* or deficit or hypoactive or dissatisfact\* or illness or difficulties)).tw,kw. (38531)

- 17 (orgasm\* adj (dysfunction\* or abnormal\* or insufficien\* or problem\* or disabil\* or disturban\* or disorder\* or asthenia or impoten\* or impair\* or defect\* or deficit or hypoactive or dissatisfact\* or illness or difficulties)).tw,kw. (1497)
- 18 ((sexual desire or LIBIDO or sexual function\*) adj3 (low or lost)).tw,kw. (1650)
- 19 ((erection or erectile or ejaculat\* or orgasm\*) adj3 (dysfunction\* or abnormal\* or insufficien\* or problem\* or disabil\* or disturban\* or disorder\* or asthenia or impoten\* or impair\* or defect\* or deficit or hypoactive or dissatisfact\* or illness)).tw,kw. (47158)
- 20 (ejaculat\* adj2 (premature or praecox\* or delayed or decreased volume)).tw,kw. (4908)
- 21 exp \*Erectile Dysfunction/ (25196)
- 22 (male impotence or male sexual impotence).tw,kw. (505)
- 23 exp \*libido disorder/ (207)
- 24 ((sexual or sex or love\*) adj3 (desire\* or drive or pleasure or interest\* or seek\* or motivat\* or behavior\* or behaviour\*) adj5 (low or lower or lost or loss of or decrease\* or less or lessen\* or diminish\* or short of)).tw,kw. (6839)
- 25 (Libido adj5 (low or lower or lost or loss of or decrease\* or less or lessen\* or diminish\* or short of)).tw,kw. (4920)
- 26 libido disorder\*.tw,kw. (135)
- 27 exp \*male infertility/ (41299)
- 28 ((male or males or men or man) adj2 (infertil\* or subfertil\* or infecundity or sterility)).tw. (41682)
- 29 ((male or males or men or man) adj3 (fertility adj2 (failure or disorder\* or dysfunction or impair\* or problem\* or disab\* or abnormal\* or disturbance\* or impotence or insufficiency))).tw. (1135)
- 30 (azoospermia or asthenozoospermia or oligospermia or azoospermia or teratozoospermia or oligoasthenoteratozoospermia or oligozoospermia).tw. (20108)
- 31 (spermatogen\* adj (failure or disorder\* or dysfunction or impair\* or problem\* or disab\* or abnormal\* or disturban\* or impotence or insufficien\*)).tw. (2302)
- 32 exp \*Cryptorchidism/ (11990)
- 33 (Cryptorchidism or undescended teste\*).tw. (12201)
- 34 exp \*Varicocele/ (8222)
- 35 Varicocele\*.tw,kw. (11733)
- 36 or/12-35 (322057)
- 37 11 and 36 (1452)
- 38 exp male/ or (men or man or male\*).tw. (17285810)
- 39 37 and 38 (788)
- 40 (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 or basic research or cell lines or in vitro or animal model or canine).tw.) not (humans/ or human/ or human experiment/ or (human\* or men or women or patients or subjects).tw.) (10364471)

41 case report/ or case reports/ or case report.ti. (4324505)

42 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4322825)

43 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3526771)

44 or/40-43 (21359325)

45 39 not 44 (572)

46 limit 45 to yr="2013 -Current" (240)

47 limit 46 to english language [Limit not valid in CDSR; records were retained] (235)

48 remove duplicates from 47 (150)

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