

## Renal transplantation surgery search strategy (2 year cuff-off)

Database: Embase <1974 to 2017 June 1>, 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 <April 2017>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to May 24, 2017>

Search Strategy:

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- 1 exp kidney transplantation/ (226588)
  - 2 ((renal or kidney\*) adj5 (transplantat\* or allotransplant\* or grafting or homotransplant\* or retransplant\*)).tw,kw. (130834)
  - 3 1 or 2 (249970)
  - 4 (exp nephrectomy/ or nephrectom\*.tw,kw.) and (exp living donor/ or exp Living Donors/ or exp kidney donor/ or donor\*.tw.) (9033)
  - 5 ((Natural orifice adj5 endoscopic) or "NOTES").tw. (90516)
  - 6 exp natural orifice transluminal endoscopic surgery/ or exp Natural Orifice Endoscopic Surgery/ (4310)
  - 7 "SILS".tw. (3018)
  - 8 laparoscopic surgery/ or laparoscop\*.tw. (300592)
  - 9 needlescop\*.tw. (604)
  - 10 (robotic adj5 assisted).tw. (11158)
  - 11 (transvaginal or trans vaginal single port or clips or Endo GIA\*).tw. (48568)
  - 12 (Organ adj3 Retrieval\*).tw. (1217)
  - 13 or/4-12 (440656)
  - 14 3 and 13 (8213)
  - 15 exp renal artery/ and (exp artery anastomosis/ or exp Anastomosis, Surgical/) (638)
  - 16 ((arteri\* or ureter\*) adj5 anastomosis).tw,kw. (8673)
  - 17 ((renal\* or kidney\*) and vein\* and extension).tw,kw. (1281)
  - 18 Renal Veins/ and extension.tw. (539)
  - 19 (((left and right) or dual) adj5 kidney\*).tw. (10230)
  - 20 (warm adj5 (ischaem\* or ischem\*)).tw,kw. (13333)
  - 21 (ureter\* adj5 stent\*).tw,kw. (10544)
  - 22 ureter/ and stent/ (2531)
  - 23 ((bladder or foley) adj5 catheter\*).tw,kw. (15681)
  - 24 exp blood vessel graft/ (196680)
  - 25 ((vascular or blood vessel) adj5 (graft\* or transposition)).tw,kw. (17717)
  - 26 exp anticoagulant agent/ or exp Anticoagulants/ (791731)
  - 27 (anti coagulant\* or anti coagulat\* or anticoagulant\* or anticoagulat\* or antithrombotic\* or thrombin inhibitor\*).tw,kw. (238803)
  - 28 or/15-27 (1119967)

29 3 and 28 (12973)

30 14 or 29 (19532)

31 limit 30 to yr="2007 -Current" (10683)

32 limit 31 to english language [Limit not valid in CDSR; records were retained] (10133)

33 ((exp animals/ or exp animal/ or exp nonhuman/ or exp animal experiment/ or animal model/ or animal tissue/ or non human/) not (humans/ or human/)) or ((rats or mice or mouse or cats or dogs or animal\* or cell lines) not (human\* or men or women)).ti. (11025686)

34 32 not 33 (9352)

35 ((child/ or Pediatrics/ or Adolescent/ or Infant/ or adolescence/ or newborn/) not (adult/ or aged/)) 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\*) not (aged or adult\* or elder\* or senior or men or women)).ti. (4317025)

36 34 not 35 (8723)

37 conference abstract.pt. or Congresses as Topic/ (2673433)

38 36 not 37 (6095)

39 case report/ or case reports/ or case report.ti. (4145467)

40 38 not 39 (4785)

41 note/ or editorial/ or letter/ or Comment/ or news/ (3888419)

42 40 not 41 (4447)

43 ((pancrease-kidney or liver-kidney) not ("without" or "not" or "non" or exclud\*)).ti. (2335)

44 42 not 43 (4442)

45 remove duplicates from 44 (3108)

46 limit 45 to ed=20160222-20170602 use ppez [Limit not valid in Embase,CCTR,CDSR; records were retained] (86)

47 limit 45 to dd=20160222-20170602 use oomezd [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) Daily Update,Ovid MEDLINE(R) In-Process,Ovid MEDLINE(R) Publisher,CCTR,CDSR; records were retained] (259)

48 (2016\* or 2017\*).dc. or 2017\*.ep. (4593426)

49 45 and 48 (489)

50 limit 45 to yr="2016 -Current" use cctr (13)

51 limit 45 to yr="2016 -Current" use coch (18)

52 46 or 47 or 49 or 50 or 51 (562)

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### **Immunology related topics in renal transplantation search strategy (10 year cuff-off)**

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 2018 May 18>, EBM

Reviews - Cochrane Database of Systematic Reviews <2005 to May 17, 2018>, EBM Reviews -  
Cochrane Central Register of Controlled Trials <April 2018>

Search Strategy:

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- 1 exp kidney transplantation/ (235632)
  - 2 ((renal or kidney\*) adj3 (transplant\* or allotransplant\* or grafting or homotransplant\* or retransplant\*).tw,kw. (206576)
  - 3 1 or 2 (273309)
  - 4 ((matching or compatibility or incompatibility) adj4 ((donor\* adj4 recipient\*) or polymorphism\* or human leukocyte antigen\* or HLA antigen\* or ABO blood group)).ti. (626)
  - 5 (Histocompatibility antigen\* or ((screen\* or testing or test) adj3 (Human leukocyte antigen or HLA antigen or human leukocyte antibodies or HLA antibodies)) or cross-match test\*).ti. (4050)
  - 6 (Immunosuppression or immune suppression or immunosuppressive or immunosuppressant\* or rejection prophylax\*).ti. (49005)
  - 7 (calcineurin inhibitor\* or CNI or CNIs or tacrolimus or cyclosporine or mycophenolate\* or MPA or MMF or EC-MPS or steroids or prednisolone or methylprednisolone or Azathioprine).ti. (132191)
  - 8 (induction therapy or basiliximab or anti-thymocyte globulin or ATG or ((mammalian target of rapamycin or m-TOR) adj3 inhibit\*).ti. (9701)
  - 9 (((Interleukin-2 receptor or IL-2 receptor) adj2 antibod\*) or (T-cell depleting adj2 (induction or antibod\*))).ti. (551)
  - 10 (Belatacept or fusion protein).ti. (11419)
  - 11 (Immunological rejection or Immunological complication\* or Antibody-mediated rejection\* or T-cell mediated rejection\* or TCMR or ABMR).ti. (2884)
  - 12 ((transplant adj2 biopsy) or Hyper-acute rejection or acute rejection).ti. (5922)
  - 13 or/4-12 (209146)
  - 14 3 and 13 (34960)
  - 15 limit 14 to yr="2008 -Current" (14833)
  - 16 limit 15 to english language [Limit not valid in CDSR; records were retained] (14247)
  - 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 or cell lines).tw.) not (humans/ or human/ or human experiment/ or (human\* or men or women or patients or subjects).tw.) (10354762)
  - 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 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.) (4126151)
  - 19 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3244486)
  - 20 case report/ or case reports/ or (case report or case series).ti. (4279992)

- 21 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4149859)
- 22 16 not (17 or 18 or 19 or 20 or 21) (7103)
- 23 ((renal or kidney\*) and (transplant\* or allotransplant\* or grafting or homotransplant\* or retransplant\*)).ti. (142026)
- 24 22 and 23 (4834)
- 25 remove duplicates from 24 (2425)
- 26 (sensitivit\* or specificit\*).tw. (2179313)
- 27 (diagnostic adj5 (accuracy or performance or value\*)).tw. (209386)
- 28 (diagnostic or diagnosis).ti. (1052417)
- 29 (systematic review\* or meta analysis).tw,kw. or "systematic review"/ or meta analysis/ (543304)
- 30 (Medline or Pubmed Embase or Cochrane or literature search or literature review).ab. (424720)
- 31 random:.mp. or randomized controlled trial.pt. (3464657)
- 32 Randomized controlled trials/ or randomized controlled trial/ (1218134)
- 33 double-blind:.mp. or (placebo\* or blind\* or RCT or RCTs).tw. (1331508)
- 34 (trial or groups or controlled or compared or comparison\* or prospective\*).tw. (14150294)
- 35 clinical trial.mp. or clinical trial.pt. (2610291)
- 36 (randomized controlled trial or controlled clinical trial).pt. (1083864)
- 37 or/26-36 (18308627)
- 38 25 and 37 (1675)

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### **Donor Kidney Biopsies search strategy (10 year cut-off)**

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 2018 June 08>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to June 7, 2018>, EBM Reviews - Cochrane Central Register of Controlled Trials <May 2018>

Search Strategy:

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- 1 exp kidney transplantation/ (235748)
  - 2 ((renal or kidney\*) adj3 (transplant\* or allotransplant\* or grafting or homotransplant\* or retransplant\*)).tw,kw. (207408)
  - 3 1 or 2 (274223)
  - 4 exp kidney biopsy/ (36823)
  - 5 ((procurement or pre-implantation or pre-transplant\* or before implantation or before transplant\* or donor kidney or donor renal or marginal donor or zero hour or kidney graft) adj2 biops\*).tw,kw. (1120)

- 6 ((marginal donor or donor kidney or donor renal or kidney graft) adj2 (histolog\* or patholog\* or histopatholog\* or quality)).tw,kw. (136)
- 7 or/4-6 (37766)
- 8 3 and 7 (9504)
- 9 limit 8 to yr="2008 -Current" (5998)
- 10 limit 9 to english language [Limit not valid in CDSR; records were retained] (5879)
- 11 (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 human experiment/ or (human\* or men or women or patients or subjects).tw.) (10352682)
- 12 (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.) (4147169)
- 13 conference abstract.pt. or Congresses as Topic/ or Conference Review.pt. or "Journal: Conference Abstract".pt. (3271118)
- 14 case report/ or case reports/ or (case report or case series).ti. (4291433)
- 15 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (4163494)
- 16 10 not (11 or 12 or 13 or 14 or 15) (2577)
- 17 remove duplicates from 16 (2390)
- 18 ((renal or kidney\*) and (transplant\* or allotransplant\* or grafting or homotransplant\* or retransplant\*)).ti. (142594)
- 19 17 and 18 (1198)

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