Supplementary Material 1

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Daily and Versions(R) <1946 to November 26, 2018>
Search Strategy: ran November 27, 2018

1. ((contralat$ or cross$ or opposit$) adj3 (ankle? or fibula$ or leg or legs or lower extremit$ or tibia$ or shin or shins) adj3 flap?).ti,ab,kw,kf. (247)
2. ((contralat$ or cross$ or opposit$) adj3 flap? adj4 (ankle? or fibula$ or leg? or lower extremit$ or tibia? or shin or shins)).ti,ab,kw,kf. (236)
3. or/1–2 [Cross Leg Flaps Keyword] (253)
4. surgical flaps/ or free tissue flaps/ or myocutaneous flap/ or perforator flap/ (57383)
5. ((surgic$ or microsurg$ or micro-surg$ or perforat$ or tissue or myocutan$ or pedic$) adj4 (flap or flaps)).ti,ab,kw,kf. (19515)
6. (cross or across or “side by side” or opposite? or contralat$).ti,ab,kw,kf. (139834)
7. bridge.ti,ab,kw,kf. (53933)
8. (or/4–5) and (or/6–7) [Surgical Flaps & Cross] (3306)
9. Leg/ or Foot/ or Ankle/ or Forefoot, Human/ or Heel/ or Lower Extremity/ (109550)
10. ((lower adj2 (leg? or extremit$)) or ankle? or fibula$ or tibia$ or shin or shins).ti,ab,kw,kf. (180687)
11. or/9–10 [Leg-knee to ankle] (254741)
12. exp Leg Bones/ (90120)
13. exp Leg Injuries/ (90214)
14. or/12–13 [Leg Bones-Injuries] (165129)
15. (animal? or beaver? or beef or bovine or breeding or canine or castor$ or cat or cattle or cats or chicken? or cow or dog or dogs or equine or foal or foals or fish or insect? or livestock or mice or mouse or murine or plant or plants or pork or porcine or protozoa? or purebred or rabbit? or rat or rats or rodent? or sheep or thoroughbred).ti. or veterinarian$.ti,ab,kw,kf,hw. (2288635)
16. exp animals/ not humans.sh. (4518028)
17. or/15–16 [Animal exclusion] (5036896)
18. 3 not 17 [Keyword Set] (252)
19. (and/8,11) not (or/17–18) [Surgical Flaps & Contralateral & Leg] (314)
20. (and/8,14) not (or/17–18) [Surgical Flaps & Contralateral & Leg Bones-Injuries] (171)
21. or/18–20 [Results] (593)
22. remove duplicates from 21 (593)
23. 22 or “29768632.”ui. [results include review] (593)
24. limit 22 to yr = “2017 -Current” [Updated Results to export] (45)
Supplementary Material 2

Cochrane Library (Wiley) Updated search-strategy SR1336 11–27–18
((contralateral or cross) near/3 (ankle or ankles or fibula or fibulae or fibulas or leg or legs or "lower extremity" or "lower extremities" or tibia or shin or shins)) near/2 ("flap" or "flaps") in Title Abstract Keyword OR "cross leg flap" or "contralateral" leg flap" in Title Abstract Keyword - (Word variations have been searched)
N = 2 on 5/22/17
Limited to Cochrane Library publication date from Jan 2017 to Dec 2018, (Word variations have been searched)
N = 0 on 11–27–18

Supplementary Material 3

SR1336 Embase Updated search strategy 11–27–18
November 27, 2018
(((contralateral OR cross OR opposite) NEAR/3 (ankle OR fibula OR leg OR legs OR "lower extremity" OR tibia OR shin OR shins) NEAR/3 flap):ti,ab,de) OR (((contralateral OR cross OR opposite) NEAR/3 flap NOT NEAR/4 (ankle OR fibula OR leg OR "lower extremity" OR tibia OR shin OR shins)):ti,ab,de) OR (((surgical flaps/exp OR (((surgical OR microsurg OR 'micro surg' OR perforat OR tissue OR myocutan OR pedic) NOT (leg OR feet OR leg fracture OR foot fracture OR 'tibia fracture') NEAR/4 (flap OR flaps)):ti,ab,de) OR (((bridg OR surgic OR microsurg OR 'micro surg' OR perforat OR tissue OR myocutan OR pedic) NOT (leg OR feet OR leg fracture OR foot fracture OR 'tibia fracture') NEAR/4 (flap OR flaps)):ti,ab,de)) AND ('cross body':ti,ab OR 'opposite leg':ti,ab OR contralateral':ti,ab OR 'cross leg':ti,ab OR 'cross ankle':ti,ab) AND ('leg injury':de OR 'ankle injury' OR exp OR 'foot injury'/exp OR 'leg fracture'/de OR 'fibula fracture'/exp OR 'foot fracture'/exp OR 'tibia fracture'/exp OR 'bones of the leg and foot'/exp OR ((lower NEAR/2 (leg OR extremity)):ti,ab) OR ankle':ti,ab OR fibula':ti,ab OR tibia':ti,ab OR shin:ti,ab OR shins:ti,ab)) NOT ('animal'/exp OR 'invertebrate'/exp OR 'animal experiment'/exp OR 'animal model'/exp OR 'animal tissue'/exp OR 'animal cell'/exp OR 'nonhuman'/de) NOT ('animal'/exp OR 'invertebrate'/exp OR 'animal experiment'/exp OR 'animal model'/exp OR 'animal tissue'/exp OR 'animal cell'/exp OR 'nonhuman'/de) AND ('human' OR 'animal cell'/de)) OR animal':ti OR beaver':ti OR beef:ti OR bovine:ti OR breeding:ti OR canine:ti OR castor:ti OR cattle:ti OR cats:ti OR chicken':ti OR cow:ti OR dog:ti OR dogs:ti OR equine:ti OR foal:ti OR foals:ti OR fish:ti OR insect':ti OR livestock:ti OR mice:ti OR mouse:ti OR murine:ti OR plant:ti OR plants:ti OR pork:ti OR porcine:ti OR protozoa':ti OR purebred:ti OR rabbit:ti OR rat:ti OR rats:ti OR rodent':ti OR sheep:ti OR thoroughbred:ti OR veterinary':ti, ab,de) AND ([2017–2018]/py OR [1–5–2017]/sd) NOT [29–11–2018]/sd
N = 387 on 5/22/17
N = 38 for 2017–2018 on 11–27–18
Total = 425 on 11–27–18