

Guideline topic: Leg Ulcer

Search coverage

Patient searches

The patient search was conducted using the search strategy outlined below in conjunction with the patient search filter.

Databases covered: **Medline, Embase, CINAHL, PsycINFO** Dates covered: **1998-2008**

Total hits: 732

Sifted result: 40

Medline search strategy

(see below)

Guidelines

Websites with relevant guidelines:

Agency for Health Care Research and Quality (AHRQ) <http://www.ahrq.gov/> Dates covered: 1998-2008

ASERNIP-S

<http://www.surgeons.org/Content/NavigationMenu/Research/ASERNIPS/ASERNIPSPublications/default.htm>

Canadian Medical Association <http://mdm.ca/cpgsnew/cpgs/index.asp>

Centre for Clinical Effectiveness (Australia)

<http://www.med.monash.edu.au/healthservices/cce/>

Health Technology Assessment <http://www.hta.nhsweb.nhs.uk/>

NHS Centre for Reviews and Dissemination

<http://www.york.ac.uk/inst/crd/welcome.htm>

NHS Quality Improvement Scotland <http://www.nhshealthquality.org>

National Institute for Clinical Excellence (NICE) <http://www.nice.org.uk/>

National Electronic Library for Health

<http://www.library.nhs.uk/guidelinesFinder/>

National Guideline Clearinghouse <http://www.guideline.gov/>

National Health and Medical Research Council (NHMRC)

<http://www.health.gov.au/nhmrc/publications/index.htm>

New Zealand Guidelines Group <http://www.nzgg.org.nz/>

PRODIGY Knowledge <http://www.prodigy.nhs.uk/>

Swedish Council on Technology Assessment in Health Care (SBU)

<http://www.sbu.se/www/index.asp>

TRIP Database <http://www.tripdatabase.com/>

Total hits: 19

Systematic reviews

Databases covered: **Medline, Embase, CINAHL, PsycINFO, Cochrane** Dates covered: 1998-2008

Total hits: 1954

Sifted result: 102

Papers requested: 96

RCTs

Databases covered: **Medline, Embase, CINAHL, PsycINFO, Cochrane** Dates covered: 1996-2008 (with variations depending on topic; see Scope of Searches below)

Observational studies/ Searches without filter

Databases covered: **Medline, Embase, CINAHL, PsycINFO**

Dates covered: 1996-2008 (see Scope of Searches below)

Search strategies

The following are listings of the main Medline strategies used for this guideline. All conventions and symbols are from the Ovid implementation of Medline. Strategies used in other databases were substantially the same, though different terminology may have been used to take account of different thesauri used in non-Medline databases. Search filters were added to identify studies of a particular type (systematic review, RCT etc.) Listings of the search filters used by SIGN can be found on the SIGN Web site www.sign.ac.uk.

Patient & Main Stem:

1. exp Leg Ulcer/
2. (leg\$ adj5 ulcer\$).tw.
3. (varicose\$ adj5 ulcer\$).tw.
4. (venous adj5 ulcer\$).tw.
5. (vein\$ adj5 ulcer\$).tw.
6. (lower extrem\$ adj5 ulcer\$).tw.
7. (chronic adj5 ulcer\$).tw.
8. or/1-7

Scope of searches for RCTs and searches without filter

| KQ | Type of studies | Date range | Initial recall | Sifted result |
|-----------|------------------------|-------------------|-----------------------|----------------------|
| 1 | RCT | 1996-2008 | 295 | 5 |
| 1 | All (no filter) | 1996-2008 | 1569 | 49 |
| 2 and 3 | RCT | 2001-2008 | 616 | 68 |
| 4 | RCT | 1999-2008 | 497 | 44 |
| 5 | RCT | 2006-2008 | 331 | 74 |
| 7 | RCT | 1996-2008 | 476 | 21 |
| 8 | RCT | 1996-2008 | 943 | 35 |
| 9 | RCT | 2007-2008 | 37 | 3 |
| 10 | RCT | 1996-2008 | 216 | 20 |
| 11 | RCT | 1996-2008 | 826 | 23 |
| 12 | All (no filter) | 1996-2008 | 2674 | 49 |
| 13 | RCT | 1996-2008 | 417 | 16 |

Medline Search strategies used for specific key questions:

KQ 1 (Assessment for arterial disease/insufficiency)

1. exp Blood Pressure Determination/

2. exp Ankle/
3. exp Brachial Artery/
4. exp ankle brachial index/
5. abpi.tw.
6. (ankle brachial adj3 index).tw.
7. exp Oximetry/
8. oximetr*.tw.
9. (pulse adj3 oximetr*).tw.
10. exp Plethysmography/
11. plethysmography.tw.
12. photoplethysmography.tw.
13. exp Ultrasonography/
14. (ultrasonography or ultrasound or sonography).tw.
15. (duplex or doppler).tw.
16. or/1-15

KQ 2 and 3 (Compression bandaging/hosiery)

9. exp Bandages/
10. bandag\$.tw.
11. exp Stockings, Compression/
12. stocking\$.tw.
13. compress\$.tw.
14. hosiery.tw.
15. or/9-14

KQ 4 (Debridement)

9. exp Debridement/
10. debrid*.tw.
11. or/9-10

KQ 5 (Dressings)

9. Bandages/
10. dress*.tw.
11. exp Colloids/
12. hydrocolloid\$.tw.
13. exp Hydrogel/
14. hydrofibre\$.tw.
15. exp Alginates/
16. alginate\$.tw.
17. exp Honey/
18. honey.tw.

19. (growth adj3 factor).tw.

20. or/9-19

KQ 7 (Antimicrobials)

1. exp Anti-Infective Agents/

2. exp Anti-Bacterial Agents/

3. exp Anti-Infective Agents, Local/

4. (antimicrob* or anti-microb*).tw.

5. (anti adj microb*).tw.

6. microb*.tw.

7. (antiseptic* or anti-septic*).tw.

8. (anti adj septic*).tw.

9. exp Iodine/

10. iodine.tw.

11. exp Honey/

12. honey*.tw.

13. exp Phenytoin/

14. phenytoin*.tw.

15. or/1-14

KQ 8 (Direct venous intervention)

1. exp Surgery/

2. surg\$.tw.

3. exp Vascular Surgical Procedures/

4. exp Sclerotherapy/

5. sclerotherap\$.tw.

6. exp Laser Therapy/

7. (laser\$ adj3 therap\$).tw.

8. or/1-7

KQ 9 (Skin grafting)

1. exp Skin Transplantation/

2. exp Transplantation, Autologous/

3. (skin* adj3 transplant*).tw.

4. (skin* adj3 graft*).tw.

5. autograft*.tw.

6. autotransplant*.tw.

7. exp Skin, Artificial/

8. (skin adj3 artificial).tw.

9. (skin adj3 substitute).tw.

10. (skin adj3 (engineered or bioengineered)).tw.

11. allograft*.tw.
12. xenograft*.tw.
13. xerograft*.tw.
14. pinch graft*.tw.
15. exp Tissue Engineering/
16. (engineer* adj3 graft*).tw.
17. or/1-16

KQ 10 (Systemic therapy)

1. exp Pentoxifylline/
2. (pentox* or oxpent* or oxydent*).tw.
3. exp Tetrazoles/
4. cilostazol*.tw.
5. exp Epoprostenol/
6. prostacyclin*.tw.
7. exp Aspirin/
8. aspirin*.tw.
9. acetylsalicylic acid*.tw.
10. exp Diosmin/
11. daflon*.tw.
12. exp Flavonoids/
13. (bioflavonoid* or flavonoid*).tw.
14. detralex.tw.
15. or/1-14

KQ 11 (Models of care)

1. exp Primary Health Care/
2. exp "Delivery of Health Care"/
3. exp Community Health Services/
4. exp Health Facilities/
5. exp Patient Care/
6. exp Community Health Nursing/
7. exp Nursing/
8. exp Nurses/
9. exp Physicians, Family/
10. exp Patient Care Management/
11. exp Family Practice/
12. (leg adj3 clinic*).tw.
13. nurs*.tw.
14. (GP or general practitioner*).tw.
15. (community adj3 clinic*).tw.

16. (leg adj3 club*).tw.
17. (community adj3 care).tw.
18. (patient adj3 care).tw.
19. (self adj3 help).tw.
20. (model* adj3 care).tw.
21. or/1-20

KQ 12 (Lifestyle modifications)

1. exp Motor Activity/
2. (physical adj3 activit\$).tw.
3. exp Exercise/
4. exp Exercise Therapy/
5. exercis\$.tw.
6. exp Life Style/
7. lifestyle\$.tw.
8. (life adj3 style\$).tw.
9. exp Health Behavior/
10. (health adj3 (behavior\$ or behaviour\$)).tw.
11. exp Diet/
12. exp Dietary Supplements/
13. diet\$.tw.
14. nutrition\$.tw.
15. exp Obesity/
16. exp Body Weight/
17. obes\$.tw.
18. weight\$.tw.
19. elevat\$.tw.
20. exp Vitamins/
21. vitamin\$.tw.
22. exp Complementary Therapies/
23. (complementary adj3 (therap\$ or medicine\$)).tw.
24. acupuncture\$.tw.
25. homeopath\$.tw.
26. (alternative adj3 (therap\$ or medicine\$)).tw.
27. exp Physical Therapy Modalities/
28. physiotherap\$.tw.
29. or/1-28

KQ 13 (Other techniques – ultrasound, IR etc)

1. exp Ultrasonic Therapy/
2. ultrasound.tw.

3. exp Laser Therapy/
4. laser*.tw.
5. exp Electric Stimulation Therapy/
6. exp Electromagnetics/
7. exp Electromagnetic Fields/
8. electromagnet*.tw.
9. exp Hyperbaric Oxygenation/
10. oxygen*.tw.
11. hbot.tw.
12. exp Intermittent Pneumatic Compression Devices/
13. pneumatic compression.tw.
14. IPC.tw.
15. exp Infrared Rays/
16. (infrared or infra red or infra-red or IR).tw.
17. photon therapy.tw.
18. LEPT.tw.
19. exp Negative-Pressure Wound Therapy/
20. exp Vacuum/
21. negative pressure.tw.
22. vacuum assisted closure.tw.
23. VAC.tw.
24. NPWT.tw.
25. posifect.tw.
26. (bioelectric stimulation or bio-electric stimulation).tw.
27. biophysical*.tw.
28. passive exerciser*.tw.
29. charged field.tw.
30. (positron adj3 therapy).tw.
31. or/1-30