Appendix D and E
Pressure ulcer prevention and management

Evidence selection flow charts

Commissioned by the National Institute for Health and Care Excellence
Disclaimer
Healthcare professionals are expected to take NICE clinical guidelines fully into account when exercising their clinical judgement. However, the guidance does not override the responsibility of healthcare professionals to make decisions appropriate to the circumstances of each patient, in consultation with the patient and/or their guardian or carer.

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Appendix D: Clinical article selection

D.1 Pressure ulcer prevention

D.1.1 Risk assessment

Figure 1: Flow diagram of clinical article selection for risk assessment (prognostic) review
Figure 2: Flow diagram of clinical article selection for risk assessment (clinical effectiveness) review

Records identified through database searching, n = 342

Records screened, n = 343

Records excluded, n = 341

Full-text articles assessed for eligibility, n = 2

Studies included in review, n = 2

Studies excluded from review, n = 0

Additional records identified through other sources, n = 1 (Cochrane Review)
D.1.2 Skin assessment

Figure 3: Flow diagram of clinical article selection for skin assessment (prognostic) review
Figure 4: Flow diagram of clinical article selection for skin assessment (clinical effectiveness) review

- Records identified through database searching, n = 3247
- Additional records identified through other sources, n = 0
- Records screened, n = 2576
- Records excluded, n = 0
- Full-text articles assessed for eligibility, n = 1
- Studies included in review, n = 1
- Studies excluded from review, n = 2575
D.1.3 Repositioning

Figure 5: Flow diagram of clinical article selection for repositioning review

Titles and abstracts identified, n = 564

- Full copies retrieved and assessed for eligibility, n = 44
  - Excluded, n = 520
  - Publications included in review, n = 7
  - Excluded, n = 37

D.1.4 Skin massage

Figure 6: Flow diagram of clinical article selection for skin massage review

Titles and abstracts identified, n = 193

- Full copies retrieved and assessed for eligibility, n = 2
  - Excluded, n = 191
  - Publications included in review, n = 1
  - Excluded, n = 1
D.1.5  Nutritional supplementation and hydration strategies

Figure 7: Flow diagram of clinical article selection for nutritional and hydration review

- Titles and abstracts identified, n = 247
  - Full copies retrieved and assessed for eligibility, n = 17
    - Publications included in review, n = 8
    - Excluded, n = 9
  - Excluded, n = 230

D.1.6  Pressure redistributing devices

Figure 8: Flow diagram of clinical article selection for pressure redistributing devices review

- Titles and abstracts identified, n = 361
  - Full copies retrieved and assessed for eligibility, n = 120
    - Publications included in review, n = 55
    - Excluded, n = 65
  - Excluded, n = 241
D.1.7 Pressure redistributing devices for the prevention of heel ulcers

Figure 9: Flow diagram of clinical article selection pressure redistributing devices for heel ulcers review

- Titles and abstracts identified, n = 986
- Full copies retrieved and assessed for eligibility, n = 78
- Excluded, n = 908
- Publications included in review, n = 17
- Excluded, n = 61
D.1.8 Barrier creams

Figure 10: Flow diagram of clinical article selection for barrier creams review
D.1.9 Information for patients and carers

Figure 11: Flow diagram of clinical article selection for patient/carer information review

- Records identified through database searching, n = 1381
- Additional records identified through other sources, n = 0

Records screened in 1st sift, n = 1381

- Records excluded in 1st sift, n = 1305

Records screened in 2nd sift, n = 76

- Records excluded in 2nd sift, n = 43

Full-text articles assessed for eligibility, n = 33

- Studies included in review, n = 11
- Studies excluded from review, n = 22
- Reasons for exclusion: (see exclusion lists)
D.1.10 Training and education for healthcare professionals

Figure 12: Flow diagram of clinical article selection for training and education for healthcare professionals review

- Titles and abstracts identified, n = 1441
  - Full copies retrieved and assessed for eligibility, n = 40
    - Publications included in review, n = 8
    - Excluded, n = 32
  - Excluded, n = 1409
D.2 Pressure ulcer management

D.2.1 Ulcer measurement

Figure 13: Flow diagram of clinical article selection for training and education for healthcare professionals review

- Titles and abstracts identified, n = 434
- Full copies retrieved and assessed for eligibility, n = 45
- Excluded, n = 389
- Publications included in review, n = 13
- Excluded, n = 32
D.2.2 Categorisation

Figure 14: Flow diagram of clinical article selection for pressure ulcer categorisation review

D.2.3 Nutritional supplementation and hydration strategies

Figure 15: Flow diagram of clinical article selection for nutrition and hydration for treatment review
D.2.4 Pressure redistributing devices

Figure 16: Flow diagram of clinical article selection for pressure redistributing devices for treatment review

- Titles and abstracts identified, n = 372
- Full copies retrieved and assessed for eligibility, n = 58
  - Publications included in review, n = 19
  - Excluded, n = 39
- Excluded, n = 314

D.2.5 Adjunctive therapies

Figure 17: Flow diagram of clinical article selection for electrotherapy review

- Titles and abstracts identified, n = 206
- Full copies retrieved and assessed for eligibility, n = 24
  - Publications included in review, n = 14
  - Excluded, n = 10
- Excluded, n = 182
**Figure 18: Flow diagram of clinical article selection for hyperbaric oxygen therapy for treatment review**

- Titles and abstracts identified, n = 255
  - Full copies retrieved and assessed for eligibility, n = 18
    - Publications included in review, n = 0
    - Excluded, n = 18
  - Excluded, n = 237

**Figure 19: Flow diagram of clinical article selection for negative pressure wound therapy for treatment review**

- Titles and abstracts identified, n = 312
  - Full copies retrieved and assessed for eligibility, n = 24
    - Publications included in review, n = 4
    - Excluded, n = 20
  - Excluded, n = 288
D.2.6 Debridement

Figure 20: Flow diagram of clinical article selection for debridement review

- Titles and abstracts identified, n = 243
- Full copies retrieved and assessed for eligibility, n = 23
- Publications included in review, n = 9
- Excluded, n = 14
- Excluded, n = 220

Figure 21: Flow diagram of clinical article selection for larval therapy review

- Titles and abstracts identified, n = 39
- Full copies retrieved and assessed for eligibility, n = 11
- Publications included in review, n = 3
- Excluded, n = 8
- Excluded, n = 28
D.2.7 Systemic antibiotics

Figure 22: Floe diagram of clinical article selection for systemic antibiotics
D.2.8 Topical antimicrobials and antibiotics

Figure 23: Flow diagram of clinical article selection for topical antimicrobials

Records identified through database searching, n = 733

Records excluded, n = 677

Full-text articles assessed for eligibility, n = 56

Studies included in review, n = 36

Studies excluded from review, n = 20
D.2.9 Dressings

Figure 24: Flow diagram of clinical article selection for dressings

- Titles and abstracts identified, n = 1760
- Full copies retrieved and assessed for eligibility, n = 11
- Excluded, n = 1749
- Publications included in review, n = 0
- Excluded, n = 11
D.2.10  Management of heel pressure ulcers

Figure 25: Flow diagram of clinical article selection for heel ulcer management

- Records identified through database searching, n = 403
- Additional records identified through other sources, n = 0
  - Records screened, n = 403
    - Records excluded, n = 387
    - Full-text articles assessed for eligibility, n = 16
      - Studies included in review, n = 5
      - Studies excluded from review, n = 11
Appendix E: Economic article selection

Figure 26: Flow diagram of economic article selection for guideline

Records identified through database searching, n=643

Records screened in 1st sift, n=643

Records excluded* in 1st sift, n=536

Full-text articles assessed for eligibility in 2nd sift, n=107

Records excluded* in 2nd sift, n=25

Full-text articles assessed for applicability and quality of methodology, n=02

Studies included, n=38

Studies included in prevention reviews (questions 1 – 10): n=16

Studies included in management reviews (questions 11 – 24): n=22

Studies selectively excluded, n=20

Studies selectively excluded from prevention reviews (questions 1 – 10): n=14

Studies selectively excluded from management reviews (questions 11 – 24): n=6

Reasons for exclusion: see Appendix H

Studies excluded, n=24

* Non-relevant population, intervention, comparison, design or setting; non-English language