Prevention and Treatment of Pressure Ulcers/Injuries: Clinical Practice Guideline

Search Strategy
SEARCH STRATEGY

Purpose

The overall purpose of this international collaboration is to develop a third edition of *Prevention and Treatment of Pressure Ulcers/Injuries: Clinical Practice Guideline* (first published 2009, second edition published 2014). The first and second editions of the Guideline contain evidence-based recommendations for the prevention and treatment of pressure injuries\(^1\) that could be used to guide decision making by health professionals and individuals throughout the world. These recommendations will be updated to reflect the current state of the science.

The methodology for this edition of the guideline is revised from 2014 to ensure current international standards in guideline development are addressed and the rigorous guideline development is maintained.

Literature Search

A broad search strategy is conducted to identify all papers associated with pressure-injuries. This includes commentaries, qualitative research and quantitative research. The broad strategy identifies significant papers that do not include their research design in the methodology, key words or MESH classification, and includes important commentary that SWGs use for background information.

A sensitive search strategy was developed for the 2009 guideline and the same search is used for update editions. The search is made available on the guideline website alongside the methodology prior to each update when consultation commences.

The SWGs will be permitted to conduct additional focused searches to ensure the full depth and breadth of their topic area has been covered. Additional literature searches will be documented in full by the SWG members. SWG members are also permitted to identify additional literature that is important to the topic and meets inclusion criteria.

Full inclusion/exclusion criteria are reported in the *Guideline Methodology*.

Databases

The GGG identified clinical questions to guide literature searches. The *Guideline Methodology*, available at the guideline website, outlines these questions in detail. To identify the scientific literature on pressure injury prevention and treatment, several electronic databases were consulted, including:

- AMED
- MEDLINE
- EMBASE
- Scopus
- The Cochrane Database of Systematic Reviews
- The Cochrane Central Register of Controlled Trials
- Health Technology Assessment

\(^1\) The term pressure injury is synonymous with the terms pressure ulcer and decubitus ulcer. Terminology varies in different geographic regions.
Search Strategy 1: Pressure Injury Treatment

pressure ulcer OR pressure injury OR pressure injuries OR pressure ulcers OR pressure injury OR bed sore OR bed sores OR bedsore OR bedsores OR pressure sore OR pressure sores OR decubitus ulcer OR decubitus ulcers OR decubital ulcer OR decubal ulcer OR pressure ulcer[mesh]

AND

(((((((((((("Randomized Controlled Trials as Topic"[Mesh] OR "Randomized Controlled Trial"[Publication Type]) OR ("Controlled Clinical Trials as Topic"[Mesh] OR "Controlled Clinical Trial"[Publication Type]) OR "Double-Blind Method"[Mesh]) OR "Cohort Studies"[Mesh]) OR ("Meta-Analysis"[Publication Type] OR "Meta-Analysis as Topic"[Mesh])) OR "Cross-Sectional Studies"[Mesh]) OR ("Practice Guidelines as Topic"[Mesh] OR "Practice Guideline"[Publication Type]) OR "Guideline"[Publication Type]) OR ("Consensus Development Conferences as Topic"[Mesh] OR "Consensus Development Conferences, NIH as Topic"[Mesh] OR "Consensus Development Conference"[Publication Type]) OR ("Multicenter Studies as Topic"[Mesh] OR "Multicenter Study"[Publication Type]) OR ("Evaluation Studies"[Publication Type] OR "Evaluation Studies as Topic"[Mesh])) OR "Follow-Up Studies"[Mesh] OR rct OR randomized controlled trial OR randomized controlled trials OR randomised controlled trial OR randomised controlled trials OR double blind OR double-blind OR random allocation OR cohort study OR cohort studies OR systematic review OR systematic reviews OR meta-analysis OR meta-analyses OR meta analysis OR meta analyses OR practice guideline OR practice guidelines OR guideline OR guidelines OR multicenter study OR multicenter studies OR multi-center study OR multi-center studies OR evaluation study OR evaluation studies OR follow-up study OR follow-up studies OR follow up study OR follow up studies OR cochrane OR consensus development conference OR consensus development conferences OR case series OR controlled clinical trial OR controlled clinical trials OR systematic[sb]

NOT

((((((((("Editorial"[Publication Type] OR "Addresses"[Publication Type]) OR ("Bibliography"[Publication Type] OR "Bibliography as Topic"[Mesh])) OR "Dictionary"[Publication Type]) OR ("Interviews as Topic"[Mesh] OR "Interview"[Publication Type])) OR "In Vitro"[Publication Type]) OR "Lectures"[Publication Type]) OR "Legal Cases"[Publication Type]) OR ("Legislation"[Publication Type] OR "Legislation as Topic"[Mesh])) OR "News"[Publication Type]) OR "Newspaper Article"[Publication Type]) OR "Patient Education Handout"[Publication Type]

Limits: human only

Search Strategy 2: Pressure Injury Prevention

SEARCH STRATEGY

Search Strategy 3: Pressure Injury Broad Search

pressure ulcer/ OR pressure ulcers/ OR pressure injury/ OR pressure injuries/ OR bed sore/ OR bed sores/ OR bedsore/ OR bedsores/ OR pressure sore/ OR pressure sores/ OR decubitus ulcer/ OR decubitus ulcers/ OR decubital ulcer/ OR decubital ulcers/ OR pressure ulcer[mesh]

Search Strategy 4: Pressure Injury Risk Factors

1. decubitus.sh.
2. skin ulcer.sh.tw.
3. exp decubitus ulcer/
4. decubitus ulcer$.tw.
5. pressure ulcer$.tw.
6. pressure damage$.tw.
7. pressure sore$.tw.
8. bed sore$.tw.
9. or/1-8
10. exp cohort-studies/
11. exp risk/
12. (odds and ratio$).mp. [mp=title, original title, abstract, name of substance word, subject heading word]
13. (relative and risk$).mp. [mp=title, original title, abstract, name of substance word, subject heading word]
14. (case and control$).mp. [mp=title, original title, abstract, name of substance word, subject heading word]
15. or/10-14
16. incidence.tw.
17. exp mortality/
18. Follow-Up Studies/
19. prognosis$.tw.
20. predict$.tw.
21. course.tw.
22. Survival Analysis/
23. or/16-22
24. 9 and 15
25. 9 and 23
26. 24 or 25
27. case report.sh.
28. historical article.pt.
29. review of reported cases.pt.
30. review, multicase.pt.
31. letter.pt.
32. comment.pt.
33. editorial.pt.
34. or/27-33
35. 26 not 34
36. limit 35 to humans
37. leg ulcer.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
38. varicose ulcer.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
39. pilonidal.tw.
40. surgical flaps.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
41. skin transplantation$.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
42. burn$.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
43. gunshot.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
44. corneal ulcer.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
45. exp dentistry/
46. peptic ulcer.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
47. duodenal ulcer.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
48. stomach ulcer.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
49. fistula$.mp. [mp=ab, hw, ti, it, sh, tn, ot, dm, mf, nm]
50. bite.tw.
51. or:37-50
52. 36 not 51