Appendix A - Search Strategy

Source: PubMed

Date: 01/02/21

|  |  |  |
| --- | --- | --- |
| **Search number** | **Search terms** | **Results** |
| 1 | “Breast Neoplasms”[Mesh] OR “breast cancer”[tiab] OR “breast neoplasm”[tiab] | 126,911 |
| 2 | “Mastectomy”[Mesh] OR “Mastectomy, Segmental”[Mesh] OR “Lymph Node Excision”[Mesh] OR “Sentinel Lymph Node Biopsy”[Mesh] OR mastectomy[tiab] OR “wide local excision\*”[tiab] | 39,766 |
| 3 | "Chronic Pain"[Mesh] OR "Pain, Postoperative"[Mesh] OR "Arthralgia"[Mesh] OR "Myalgia"[Mesh] OR "Neuralgia"[Mesh] OR "Pain Measurement"[Mesh] OR "Surveys and Questionnaires"[Mesh] OR "Pain Measurement"[Mesh] OR arthralgia[tiab] OR neuralgia[tiab] OR “post-operative pain”[tiab] | 615,044 |
| 4 | "Postoperative Period"[Mesh] OR “after surgery”[tiab] OR “following surgery”[tiab] OR “post-operative”[tiab] OR “post-surgery”[tiab] | 98,317 |
| 5 | #1 AND #2 AND #3 AND #4 | 355 |
| 6 | Limit 5 to (English language and female and humans and all adult “19 plus years”) | 355 |

Source: MEDLINE (Ovid)

Date: 01/02/21

|  |  |  |
| --- | --- | --- |
| **Search number** | **Search terms** | **Results** |
| 1 | Breast neoplasms/ or breast cancer.tw. or breast tumour.tw. or breast neoplasm.tw. | 337,927 |
| 2 | Mastectomy, Subcutaneous/ or Mastectomy, Extended Radical/ or Mastectomy, Segmental/ or Mastectomy/ or Mastectomy, Radical/ or Mastectomy, Modified Radical/ or Mastectomy, Simple/ | 32,172 |
| 3 | Chronic pain/ or Pain, postoperative/ or Arthralgia/ or Myalgia/ or Neuralgia/ or Pain measurement/ or “Surveys and Questionnaires”/ or postoperative pain.tw. or chronic pain.tw. | 634,227 |
| 4 | Postoperative period/ or after surgery.tw. or following surgery.tw. | 195,929 |
| 5 | 1 and 2 and 3 and 4 | 252 |
| 6 | Limit 5 to (English language and female and humans and all adult “19 plus years”) | 209 |

Source: Embase (Ovid)

Date: 01/02/21

|  |  |  |
| --- | --- | --- |
| **Search number** | **Search terms** | **Results** |
| 1 | Breast neoplasms/ or breast cancer.tw. or breast tumour.tw. or breast neoplasm.tw. | 373,668 |
| 2 | Mastectomy, Subcutaneous/ or Mastectomy, Extended Radical/ or Mastectomy, Segmental/ or Mastectomy/ or Mastectomy, Radical/ or Mastectomy, Modified Radical/ or Mastectomy, Simple/ | 50,811 |
| 3 | Chronic pain/ or Pain, postoperative/ or Arthralgia/ or Myalgia/ or Neuralgia/ or Pain measurement/ or “Surveys and Questionnaires”/ or postoperative pain.tw. or chronic pain.tw. | 903,336 |
| 4 | Postoperative period/ or after surgery.tw. or following surgery.tw. | 398,892 |
| 5 | 1 and 2 and 3 and 4 | 358 |
| 6 | Limit 5 to (English language and female and humans and all adult “19 plus years”) | 205 |

Source: APA PsychInfo (Ovid)

Date: 01/02/21

|  |  |  |
| --- | --- | --- |
| **Search number** | **Search terms** | **Results** |
| 1 | Breast neoplasms/ or breast cancer.tw. or breast tumour.tw. or breast neoplasm.tw. | 13,089 |
| 2 | Mastectomy, Subcutaneous/ or Mastectomy, Extended Radical/ or Mastectomy, Segmental/ or Mastectomy/ or Mastectomy, Radical/ or Mastectomy, Modified Radical/ or Mastectomy, Simple/ | 434 |
| 3 | Chronic pain/ or Pain, postoperative/ or Arthralgia/ or Myalgia/ or Neuralgia/ or Pain measurement/ or “Surveys and Questionnaires”/ or postoperative pain.tw. or chronic pain.tw. | 22,111 |
| 4 | Postoperative period/ or after surgery.tw. or following surgery.tw. | 5,554 |
| 5 | 1 and 2 and 3 and 4 | 6 |
| 6 | Limit 5 to (English language and female and humans and all adult “19 plus years”) | 4 |

Source: CINAHL

Date: 02/02/21

|  |  |  |
| --- | --- | --- |
| **Search number** | **Search terms** | **Results** |
| 1 | breast cancer or breast neoplasm or breast carcinoma or breast tumour | 130 |
| 2 | (mastectomy or breast surgery or breast removal) OR wide local excision OR axillary node dissection OR lymph node dissection | 3,622 |
| 3 | (chronic pain or persistent pain or long term pain) OR postoperative pain OR arthralgia OR myalgia OR neuralgia OR (pain measurement or pain assessment or pain scale) OR (questionnaire or survey) | 56,556 |
| 4 | postoperative period OR after surgery OR following surgery | 87,116 |
| 5 | #1 AND #2 AND #3 AND #4 | 0 |

Source: CENTRAL

Date: 02/02/21

|  |  |  |
| --- | --- | --- |
| **Search number** | **Search terms** | **Results** |
| 1 | MeSH descriptor[breast neoplasm] explode all trees OR (breast cancer):ti,ab,kw OR (breast neoplasm):ti,ab,kw | 37,845 |
| 2 | MeSH descriptor[Mastectomy] explode all trees OR (lymph node excision):ti,ab,kw OR ("sentinel node biopsy"):ti,ab,kw OR ("sentinel lymph node dissection"):ti,ab,kw OR (wide local excision):ti,ab,kw | 3274 |
| 3 | MeSH descriptor: [Chronic Pain] explode all trees OR MeSH descriptor: [Pain, Postoperative] explode all trees OR MeSH descriptor: [Arthralgia] explode all trees OR MeSH descriptor: [Myalgia] explode all trees OR MeSH descriptor: [Pain Measurement] explode all trees OR MeSH descriptor: [Pain Measurement] explode all trees OR (arthralgia):ti,ab,kw OR (myalgia):ti,ab,kw OR (neuralgia):ti,ab,kw OR ("post-operative pain"):ti,ab,kw | 97,219 |
| 4 | MeSH descriptor: [Postoperative Period] explode all trees OR (after surgery):ti,ab,kw OR (following surgery):ti,ab,kw OR ("post-operative"):ti,ab,kw OR ("post-surgery"):ti,ab,kw | 153,039 |
| 5 | #1 AND #2 AND #3 AND #4 | 188 |

Source: Web of Science

Date: 02/02/21

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Search number** | | **Search terms** | **Results** | |
| 1 | TOPIC: (breast cancer  OR breast neoplasm  OR breast tumour) | | | 598,704 |
| 2 | TOPIC: (mastectomy  OR "wide local excision"  OR "axillary node clearance"  OR "sentinel lymph node biopsy") | | | 34,526 |
| 3 | TOPIC: ("chronic pain"  OR "post operative pain"  OR arthralgia  OR myalgia  OR neuralgia  OR survey  OR questionnaire) | | | 1,888,036 |
| 4 | TOPIC: ("post operative"  OR "following surgery"  OR "after surgery") | | | 190,666 |
| 5 | #1 AND #2 AND #3 AND #4 | | | 303 |

Source: Scopus

Date: 02/02/21

|  |  |  |
| --- | --- | --- |
| **Search number** | **Search terms** | **Results** |
| 1 | TITLE-ABS-KEY ( "breast cancer"  OR  "breast neoplasm"  OR  "breast tumour" ) | 528,556 |
| 2 | TITLE-ABS-KEY ( mastectomy  OR  "segmental mastectomy"  OR  "wide local excision"  OR  "axillary node clearance" ) | 65,187 |
| 3 | TITLE-ABS-KEY ( "chronic pain"  OR  "post operative pain"  OR  "myalgia"  OR  "arthralgia"  OR  "neuralgia"  OR  "post surgical pain"  OR  "pain score"  OR  "pain scale"  OR  "questionnaire"  OR  "survey" ) | 3,412,492 |
| 4 | TITLE-ABS-KEY ( "post-operative"  OR  "after surgery"  OR  "following surgery" ) | 272,215 |
| 5 | #1 AND #2 AND #3 AND #4 | 523 |
| 6 | 6 AND ( LIMIT-TO ( LANGUAGE ,  "English" ) )  AND  ( LIMIT-TO ( EXACTKEYWORD ,  "Adult" ) )  AND  ( LIMIT-TO ( EXACTKEYWORD ,  "Female" ) ) | 381 |

Total number of papers: 1645.

Duplicates eliminated: 792

Remaining: 853

Table

Description automatically generated with medium confidenceAppendix B – SIGN Quality Assessment