Search Strategies for an ongoing Systematic Review:
Paul Schmitz, Lea Baier, Helge Knüttel, Florian Baumann:
Avascular Necrosis of the Femoral Head following an Acetabular Fracture

Date: 2018-09-26

EMBASE
Ovid syntax

acetabulum fracture/
acetabulum/ AND (fracture/ OR crush trauma/ OR exp fracture fixation/ OR exp fracture healing/)
((acetabul* OR cotyloid cavit*) ADJ6 (fracture* OR crush* OR osteosynth* OR reconstruct*)).ti,ab,kw.
or/1-3
femur head necrosis/
bone necrosis/ OR aseptic necrosis/ OR avascular necrosis/ OR osteolysis/ OR massive osteolysis/
(necro* OR osteonecro* OR osteoly*).ti,ab,kw.
or/5-7
(prevalence or incidence or epidemiol* or survey or cohort or surveillance or outcome or prognosis or "long-term" or "follow-up").ti,ab,kw. OR exp epidemiology/ OR exp treatment outcome/ OR outcome assessment/ OR sentinel surveillance/ OR cohort analysis/ OR longitudinal study/ OR follow up/ OR prospective study/ OR prognosis/
4 and 8
4 and 9
acetabulum fracture/ AND Complication.fx.
or/10-12
MEDLINE

Ovid syntax

(acetabulum/) AND (Fractures, Bone/ OR exp Fracture Fixation/ OR Fracture Healing/ OR Crush Injuries/)
((acetabul* OR cotyloid cavit*) ADJ6 (fracture* OR crush* OR osteosynth* OR reconstruct*)).ti,ab,kw.
or/1-2
Femur Head Necrosis/
Osteonecrosis/ OR necrosis/ OR osteolysis/ OR "Osteolysis, Essential"/
{necro* OR osteonecro* OR osteoly*}.ti,ab,kw.
or/4-6
(prevalence or incidence or epidemiol* or survey or cohort or surveillance or outcome? or prognosis or "long-term" or "follow-up").mp. or exp epidemiologic methods/ or exp epidemiologic studies/ or exp sentinel surveillance/ or exp cohort studies/ or exp cross-sectional studies/ or exp longitudinal studies/ or exp follow-up studies/ or exp prospective studies/ or Treatment Outcome/ or prognosis/
edemiology.fs. OR "statistics numerical data".fs.
or/8-9
3 and 7
3 and 10
or/11-12
We will search Cochrane Library with text words only as searching with MESH terms will be yield only duplicates to MEDLINE records.

((acetabul* OR "cotyloid cavit*") NEAR/6 (fracture* OR crush* OR osteosynth* OR reconstruct*)):ti,ab,kw
(necro* OR osteonecro* OR osteoly*):ti,ab,kw
(prevalence or incidence or epidemiol* or survey or cohort or surveillance or outcome* or prognosis or "long-term" or "follow-up"):ti,ab,kw
#1 and #2
#1 and #3
#4 OR #5
We will search for articles citing Letournel’s works on the acetabulum fracture classification as well as for relevant text words.

<table>
<thead>
<tr>
<th>Set</th>
<th>Web of Science Core Collection Search History</th>
</tr>
</thead>
<tbody>
<tr>
<td>#13</td>
<td>#12 OR #11 OR #7</td>
</tr>
<tr>
<td>#12</td>
<td>#8 AND #10</td>
</tr>
<tr>
<td>#11</td>
<td>#8 AND #9</td>
</tr>
<tr>
<td>#10</td>
<td>TS=(prevalence or incidence or epidemiol* or survey or cohort or surveillance or outcome$ or prognosis)</td>
</tr>
<tr>
<td>#9</td>
<td>TS=(necro* OR osteonecro* OR osteoly*)</td>
</tr>
<tr>
<td>#8</td>
<td>TS=((acetabul* OR &quot;cotyloid cavit*&quot;) NEAR/5 (fracture* OR crush* OR osteosynth* OR reconstruct*))</td>
</tr>
<tr>
<td>#7</td>
<td>#6 OR #5 OR #4 OR #3 OR #2 OR #1</td>
</tr>
<tr>
<td>#6</td>
<td>CITED AUTHOR: (Letournel E) AND CITED WORK: (J CHIR*) AND CITED YEAR: (1961)</td>
</tr>
<tr>
<td>#5</td>
<td>CITED AUTHOR: (Judet R) AND CITED WORK: (J BONE JOINT SURG AM) AND CITED YEAR: (1964)</td>
</tr>
<tr>
<td>#4</td>
<td>CITED AUTHOR: (Judet R) AND CITED WORK: (Arch* Ortop*)</td>
</tr>
<tr>
<td>#3</td>
<td>CITED AUTHOR: (Letournel E) AND CITED WORK: (CLIN ORTHOP RELAT R) AND CITED YEAR: (1980)</td>
</tr>
<tr>
<td>#2</td>
<td>CITED AUTHOR: (Letournel E) AND CITED WORK: (CLIN ORTHOP RELAT R) AND CITED YEAR: (1994) AND CITED PAGES: (5)</td>
</tr>
<tr>
<td>#1</td>
<td>CITED AUTHOR: (Letournel E) AND CITED WORK: (J ORTHOP TRAUMA)</td>
</tr>
</tbody>
</table>
Google Scholar

We will search and retrieve records from Google Scholar using Anne-Wil Harzing's Publish or Perish program (available from https://www.harzing.com/pop.htm).

A single-line search statement:

acetabulum|acetabular|"cotyloid cavity"
fracture|osteosynthesis|reconstruction|"crush injury"
necrosis|osteonecrosis|osteolysis|prevalence|incidence|epidemiology|
survey|cohort|surveillance|outcome|prognosis|"long-term"|"follow-up"
WHO's International Clinical Trials Registry Platform / Search Portal
http://apps.who.int/trialsearch/

acetabul* AND fractur* OR cotyloid AND fractur* OR acetabul* AND osteosynth* OR cotyloid AND osteosynth* OR acetabul* AND reconstruction* OR cotyloid AND reconstruction* OR acetabul* AND crush injury OR cotyloid AND crush injury

ClinicalTrials.gov
https://clinicaltrials.gov/ct2/home

(acetabulum OR acetabular OR "cotyloid cavity") AND (fracture OR osteosynthesis OR reconstruction OR "crush injury")

EU Clinical Trials Register
https://www.clinicaltrialsregister.eu/ctr-search/search

(acetabulum OR acetabular OR "cotyloid cavity")

German Clinical Trials Register
http://www.drks.de/drks_web/navigate.do?navigationId=search&reset=true

acetabul* OR cotyloid