

Supplemental Appendix 1. Search strategy 27 may 2015

Database	Total	Deduplicated
<i>Embase.com (Embase, Medline)</i>	815	806
<i>Medline (OVID)</i>	437	122
<i>PubMed supplied by publisher</i>	3	1
<i>Cochrane Central</i>	11	1
<i>Web of Science</i>	215	64
Total	1481	994

Embase (Embase, Medline) 815 (806)

('hip fracture'/exp OR ((hip OR femor* OR femur* OR collum* OR trochant* OR subtroch* OR intertroch* OR pertroch*) NEAR/3 fractur*):ab,ti) AND ('aged'/exp OR 'geriatric patient'/de OR 'geriatrics'/de OR 'elderly care'/exp OR 'geriatric hospital'/de OR 'geriatric rehabilitation'/de OR ((aged OR old* OR elder*):ab,ti NOT (child/exp OR adolescent/de OR (child* OR adolescen* OR teen* OR youth*):ab,ti)) OR (senior* OR geriatr* OR psychogeriatr* OR septuagenarian* OR octogenarian* OR nonagenarian* OR centenarian* OR supercentenarian*):ab,ti) AND ('surgery'/exp OR (surg* OR operat* OR orthop* OR fixat* OR arthroplast* OR hemiarthroplast* OR prosth* OR replac* OR Girdlestone OR screw*):ab,ti) AND ('conservative treatment'/exp OR (conservat* OR nonsurg* OR nonoperativ* OR (non NEXT/1 (operat* OR surg*)) OR traction* OR bedrest OR (bed NEXT/1 rest*) OR (watch* NEAR/3 wait*)):ab,ti) AND ('treatment outcome'/exp OR 'mortality'/exp OR 'morbidity'/de OR 'quality of life'/exp OR 'cost benefit analysis'/de OR 'health status'/exp OR ((qualit* NEAR/3 (life OR living)) OR QALY OR QOL OR outcome* OR mortalit* OR death* OR morbid* OR failure* OR fitness* OR function* OR mobil* OR cost* OR ASA):ab,ti)

Ovid SP (Medline) 437 (122)

(exp "hip fractures"/ OR ((hip OR femor* OR femur* OR collum* OR trochant* OR subtroch* OR intertroch* OR pertroch*) ADJ3 fractur*):ab,ti) AND (exp "aged"/ OR "geriatrics"/ OR ((aged OR old* OR elder*):ab,ti NOT (exp child/ OR adolescent/ OR (child* OR adolescen* OR teen* OR youth*):ab,ti)) OR (senior* OR geriatr* OR psychogeriatr* OR septuagenarian* OR octogenarian* OR nonagenarian* OR centenarian* OR supercentenarian*):ab,ti) AND (exp "Surgical Procedures, Operative"/ OR surgery.xs. OR (surg* OR operat* OR orthop* OR fixat* OR arthroplast* OR hemiarthroplast* OR prosth* OR replac* OR Girdlestone OR screw*):ab,ti) AND ("bed rest"/ OR (conservat* OR nonsurg* OR nonoperativ* OR (non ADJ (operat* OR surg*)) OR traction* OR bedrest OR (bed ADJ rest*) OR (watch* ADJ3 wait*)):ab,ti) AND (exp "treatment outcome"/ OR exp "mortality"/ OR mortality.xs. OR exp "morbidity"/ OR "quality of life"/ OR "cost benefit analysis"/ OR exp "health status"/ OR ((qualit* ADJ3 (life OR living)) OR QALY OR QOL OR outcome* OR mortalit* OR death* OR morbid* OR failure* OR fitness* OR function* OR mobil* OR cost* OR ASA):ab,ti)

PubMed as supplied by publisher: 3 (1)

((hip[tiab] OR femor*[tiab] OR femur*[tiab] OR collum*[tiab] OR trochant*[tiab] OR subtroch*[tiab] OR intertroch*[tiab] OR pertroch*[tiab]) AND fractur*[tiab]) AND (((aged[tiab] OR old*[tiab] OR elder*[tiab]) NOT (child*[tiab] OR adolescen*[tiab] OR teen*[tiab] OR youth*[tiab])) OR senior*[tiab] OR geriatr*[tiab] OR psychogeriatr*[tiab] OR septuagenarian*[tiab] OR octogenarian*[tiab] OR nonagenarian*[tiab] OR centenarian*[tiab] OR supercentenarian*[tiab]) AND (surger*[tiab] OR surgic*[tiab] OR operation*[tiab] OR operative*[tiab] OR orthop*[tiab] OR fixat*[tiab] OR arthroplast*[tiab] OR hemiarthroplast*[tiab] OR prosth*[tiab] OR replac*[tiab] OR Girdlestone[tiab] OR screw*[tiab]) AND (conservat*[tiab] OR nonsurg*[tiab] OR nonoperativ*[tiab] OR non operat*[tiab] OR non surg*[tiab] OR traction*[tiab] OR bedrest[tiab] OR bed rest*[tiab] OR (watch*[tiab] AND wait*[tiab])) AND ((qualit*[tiab] AND (life[tiab] OR living[tiab])) OR QALY[tiab] OR QOL[tiab] OR outcome*[tiab] OR mortalit*[tiab] OR death*[tiab] OR morbid*[tiab] OR failur*[tiab] OR fitness*[tiab] OR functional*[tiab] OR function[tiab] OR functions[tiab] OR functioning[tiab] OR mobil*[tiab] OR cost[tiab] OR costs[tiab] OR ASA[tiab]) AND publisher[sb])

Cochrane Central 11 (0)

((hip OR femor* OR femur* OR collum* OR trochant* OR subtroch* OR intertroch* OR pertroch*) NEAR/3 fractur*):ab,ti) AND (((aged OR old* OR elder*):ab,ti NOT ((child* OR adolescen* OR teen* OR youth*):ab,ti)) OR (senior* OR geriatr* OR psychogeriatr* OR septuagenarian* OR octogenarian* OR nonagenarian* OR centenarian* OR supercentenarian*):ab,ti) AND ((surg* OR operat* OR orthop* OR fixat* OR arthroplast* OR hemiarthroplast* OR prosth* OR replac* OR Girdlestone OR screw*):ab,ti) AND ((conservat* OR nonsurg* OR nonoperativ* OR (non NEXT/1 (operat* OR surg*)) OR traction* OR bedrest OR (bed NEXT/1 rest*) OR (watch* NEAR/3 wait*)):ab,ti) AND (((qualit* NEAR/3 (life OR living)) OR QALY OR QOL OR outcome* OR mortalit* OR death* OR morbid* OR failure* OR fitness* OR function* OR mobil* OR cost* OR ASA):ab,ti)

WOS: 215 (64)

TS=(((hip OR femor* OR femur* OR collum* OR trochant* OR subtroch* OR intertroch* OR pertroch*) NEAR/3 fractur*)) AND (((aged OR old* OR elder*) NOT ((child* OR adolescen* OR teen* OR youth*))) OR (senior* OR geriatr* OR psychogeriatr* OR septuagenarian* OR octogenarian* OR nonagenarian* OR centenarian* OR supercentenarian*)) AND ((surg* OR operat* OR orthop* OR fixat* OR arthroplast* OR hemiarthroplast* OR prosth* OR replac* OR Girdlestone OR screw*)) AND ((conservat* OR nonsurg* OR nonoperativ* OR (non NEXT/1 (operat* OR surg*)) OR traction* OR bedrest OR (bed NEXT/1 rest*) OR (watch* NEAR/3 wait*)) AND (((qualit* NEAR/3 (life OR living)) OR QALY OR QOL OR outcome* OR mortalit* OR death* OR morbid* OR failure* OR fitness* OR function* OR mobil* OR cost* OR ASA)))