

## Search strategies

### MEDLINE

((("Platelet-Rich Plasma"[Mesh] OR Platelet-rich plasma[tiab] OR "Platelet Transfusion"[Mesh] OR platelet transfusion[tiab] OR PRP[tiab] OR "Blood Transfusion, Autologous"[MeSH Terms] OR plasma rich[tiab] OR autologous conditioned plasma[tiab] OR autologous blood[tiab])) AND ("Osteoarthritis"[Mesh] OR osteoarthritis[tiab] OR osteoarthrosis[tiab] OR osteoarthroses[tiab] OR "Arthritis"[Mesh] OR arthritis[tiab] OR arthroses[tiab] OR arthrosis[tiab] OR "Cartilage Diseases"[Mesh] OR chondropathy[tiab] OR chondropathies[tiab] OR chondropathia[tiab] OR "Cartilage"[Mesh] OR cartilage\*[tiab] OR gonarthroses[tiab] OR gonarthrosis[tiab] OR (chondral[tiab] AND (defect\*[tiab] OR lesion\*[tiab] OR injur\*[tiab] OR repair[tiab]))) AND ("Knee Joint"[Mesh] OR "Knee"[Mesh] OR knee\*[tiab] OR articulatio genu\*[tiab] OR articulatic genu\*[tiab]) AND ("Clinical Trial" [Publication Type] OR "Randomized Controlled Trial" [Publication Type] OR "Controlled Clinical Trial" [Publication Type] OR trial\*[tiab] OR (clinical[tiab] AND trial[tiab]) OR "Clinical Trials as Topic"[Mesh] OR random\*[tiab] OR random allocation[MeSH Terms] OR "therapeutic use" [Subheading] OR research design [mh:noexp] OR "Cohort Studies"[Mesh] OR "Case-Control Studies"[Mesh] OR prospective[tiab] OR cohort stud\*[tiab] OR case-control[tiab]) (83)

### EMBASE

- 1 thrombocyte rich plasma/ or thrombocyte transfusion/ or blood autotransfusion/(23783)
- 2 (platelet-rich plasma or platelet transfusion or PRP or plasma rich or autologous conditioned plasma or autologous blood).ti,ab,kw. (26343)
- 3 1 or 2 (40806)
- 4 exp osteoarthritis/ or exp arthritis/ or exp chondropathy/ or exp cartilage/(469068)
- 5 (osteoarthritis or osteoarthrosis or osteoarthroses or arthritis or arthroses or arthrosis or chondropathy or chondropathies or chondropathia or cartilage\* or gonarthroses or gonarthrosis).ti,ab,kw. (295162)
- 6 4 or 5 (526867)
- 7 knee/ or (knee\* or articulatio genu\* or articulatic genu\*).ti,ab,kw. (134557)
- 8 exp clinical trial/ or clinical article/ or clinical study/ or controlled study/ or controlled clinical trial/ or randomized controlled trial/ or major clinical study/ or double blind procedure/ or multicenter study/ or single blind procedure/ or crossover procedure/ or placebo/ or randomization/ or cohort analysis/ or exp case control study/ or (clinical trial\* or random\* or prospective or cohort stud\* or case-control).ti,ab,kw. (7509301)
- 9 3 and 6 and 7 and 8 (104)

### CINAHL

- S17** S5 AND S11 AND S16 (48)
- S16** S13 OR S14 OR S15 (474333)
- S15** (MH "Prospective Studies+") OR (MH "Double-Blind Studies") OR (MH "Case Control Studies+") (275277)
- S14** TI clinical trial\* OR AB clinical trial\* OR TI random\* OR AB random\* OR TI prospective OR AB prospective OR TI cohort stud\* OR AB cohort stud\* OR TI case-control OR AB case-control (222431)
- S13** (MH "Clinical Trials+") OR (MH "Randomized Controlled Trials") (167281)
- S12** S5 AND S11 (111)
- S11** S6 OR S7 OR S8 OR S9 OR S10 (53524)
- ( TI osteoarthritis OR AB osteoarthritis ) OR ( TI osteoarthrosis OR AB osteoarthrosis ) OR ( TI osteoarthroses OR AB osteoarthroses ) OR ( TI arthritis OR AB arthritis ) OR ( TI arthroses OR AB arthroses ) OR ( TI artrosis OR AB artrosis ) OR ( TI chondropathy OR AB chondropathy ) OR ( TI chondropathies OR AB chondropathies ) OR ( TI chondropathia OR AB chondropathia ) OR ( TI cartilage\* OR AB cartilage\* ) OR ( TI gonarthroses OR AB gonarthroses ) OR ( TI gonarthrosis OR AB gonarthrosis ) OR ( ( TI chondral OR AB chondral ) AND ( TI repair OR AB repair ) ) OR ( ( TI chondral OR AB chondral ) AND ( TI injur\* OR AB injur\* ) ) OR ( ( TI chondral OR AB chondral ) AND ( TI lesion\* OR AB lesion\* ) ) OR ( ( TI chondral OR AB chondral ) AND ( TI defect\* OR AB defect\* ) ) (31042)
- S9** (MH "Cartilage+") (9562)

- S8** (MH "Cartilage Diseases+") (747)
- S7** (MH "Arthritis+") (39280)
- S6** (MH "Osteoarthritis+") (14283)
- S5** S1 OR S2 OR S3 OR S4 (2854)  
( TI Platelet-rich plasma OR AB Platelet-rich plasma ) OR ( TI platelet transfusion OR AB platelet transfusion ) OR ( TI PRP OR AB PRP ) OR ( TI plasma rich OR AB plasma rich ) OR ( TI autologous conditioned plasma OR AB autologous conditioned plasma ) OR ( TI autologous blood OR AB autologous blood ) (1771)
- S4**
- S3** (MH "Blood Transfusion, Autologous") (801)
- S2** (MH "Platelet Transfusion") (709)
- S1** (MH "Platelet-Rich Plasma") (51)

*The Cochrane Library*

1 Cochrane review, 20 Trials (Central)

- #1** MeSH descriptor: [Platelet-Rich Plasma] explode all trees
- #2** MeSH descriptor: [Platelet Transfusion] explode all trees
- #3** platelet-rich plasma:ti,ab,kw (Word variations have been searched)
- #4** platelet transfusion:ti,ab,kw (Word variations have been searched)
- #5** PRP:ti,ab,kw (Word variations have been searched)
- #6** plasma rich:ti,ab,kw (Word variations have been searched)
- #7** autologous conditioned plasma:ti,ab,kw (Word variations have been searched)
- #8** autologous blood:ti,ab,kw (Word variations have been searched)
- #9** #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8
- #10** MeSH descriptor: [Osteoarthritis] explode all trees
- #11** MeSH descriptor: [Arthritis] explode all trees
- #12** MeSH descriptor: [Cartilage Diseases] explode all trees
- #13** MeSH descriptor: [Cartilage] explode all trees
- #14** osteoarthritis or osteoarthrosis or osteoarthroses:ti,ab,kw (Word variations have been searched)
- #15** arthritis or arthroses or arthrosis:ti,ab,kw (Word variations have been searched)
- #16** chondropathy or chondropathies or chondropathia:ti,ab,kw (Word variations have been searched)
- #17** cartilage\* or gonarthroses or gonarthrosis:ti,ab,kw (Word variations have been searched)
- #18** chondral and (defect\* or lesion\* or injur\* or repair):ti,ab,kw (Word variations have been searched)
- #19** #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18
- #20** MeSH descriptor: [Knee Joint] explode all trees
- #21** MeSH descriptor: [Knee] explode all trees
- #22** knee\* or articulatio genu\* or articulatic genu\*:ti,ab,kw (Word variations have been searched)
- #23** #20 or #21 or #22
- #24** #9 and #19 and #23