**S1 File. PubMed Search String**

((((("shoulder"[MeSH Terms] OR "shoulder"[All Fields] OR "Shoulder Pain"[Mesh] OR "Shoulder Joint"[Mesh]))) AND (((((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random\*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading])) AND (arthroplast\* OR hemiarthroplast\* OR (joint\* AND replace\*) OR "Debridement"[Mesh] OR debrid\* OR (surfac\* AND replac\*) OR resurfac\*))) AND Randomized Controlled Trial[ptyp] AND ( "2005/07/01"[PDat] : "2015/12/31"[PDat] ) AND Humans[Mesh]))