

Appendix 1 Search strategy in Medline via PubMed

1 Population, based on NICE guideline

sciatica[mh] OR radiculopathy[mh] OR radiculitis OR radicular pain* or intervertebral disc displacement[mh] OR (nerve root* AND (pain* or avulsion or compress* or disorder* or pinch* or inflam* or imping* or irritat* or entrap* or trap*))

2 Ingui filter for prediction studies

Validat* OR Predict*[ti] OR Rule*) OR (Predict* AND (Outcome* OR Risk OR Model OR Models)) OR ((History OR Variable* OR Criteria OR Scor* OR Characteristic* OR Finding* OR Factor*) AND (Predict* OR Model OR Models OR Decision* OR Identif* OR Prognos*)) OR (Decision* AND (Model OR Models OR Clinical* OR Logistic Models[mh])) OR (Prognostic AND (History OR Variable* OR Criteria OR Scor* OR Characteristic* OR Finding* OR Factor* OR Model OR Models))

3 Yale filter for prognosis and natural history

cohort studies[mh] OR prognosis[mh] OR mortality[mh] OR morbidity[mh] OR natural history OR prognost*[tiab] OR course[tiab] OR predict*[tiab] OR outcome assessment[mh] OR outcome*[tiab] OR inception cohort* OR disease progression[mh] OR survival analysis[mh]

4 Work participation

Return to Work[mh] OR Employment[mh] OR Occupations[mh] OR Work[mh] OR Workplace[mh] OR Rehabilitation, Vocational[mh] OR Occupational Health[mh] OR Sick Leave[mh] OR Absenteeism[mh] OR Retirement[mh] OR Workers' Compensation[mh] OR return to work[tiab] OR back to work[tiab] OR employment[tiab] OR unemployment[tiab] OR employability[tiab] OR reemployment[tiab] OR work resumption[tiab] OR work status[tiab] OR working age[tiab] OR work re-entry[tiab] OR sick leave[tiab] OR vocational rehabilitation[tiab] OR job[tiab] OR work capacity[tiab] OR productivity[tiab]

5 1 AND (2 OR 3) AND 4

Appendix 2 Excluded studies after full text assessment

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