**Supplementary Table 1:** Search strategy

|  |  |  |
| --- | --- | --- |
| **Pubmed/Medline** | **Scopus** | **Embase** |
| (“polypharmacy”[Mesh] OR polypharmacy[tw] OR polypragmas\*[tw] OR hyperpharmacotherapy[tw] OR multiple drug use\*[tw] OR multiple drug therap\*[tw] OR multiple drug prescri\* [tw] OR multiple drug regimen\*[tw] OR multi-drug use\*[tw] OR multi-drug therap\*[tw] OR multi-drug regimen\*[tw] OR multidrug use\*[tw] OR multidrug therap\*[tw] OR multidrug prescri\* [tw] OR multidrug regimen\*[tw] OR concomitant drug use\*[tw] OR concomitant drug therap\*[tw] OR concomitant drug regimen\*[tw] OR concurrent drug use\*[tw] OR concurrent drug therap\*[tw] OR multiple medication use\*[tw] OR multiple medication regimen\*[tw] OR concomitant medication use\*[tw] OR concomitant medication therap\*[tw] OR concomitant medication regimen\*[tw] OR concurrent medication use\*[tw] OR concurrent medication therap\*[tw] OR concurrent medication regimen\*[tw]) AND(“parkinson”[Mesh] OR parkinson[tw] OR parkinson disease [tw] OR amnesia[tw] OR amentias[tw] OR demention[tw] OR "Parkinson disease"[Mesh] OR Parkinsons[tw] OR Parkinsonism[tw] OR Parkinson-type[tw]. | ( TITLE-ABS-KEY ( polypharmacy OR polypragmas\* OR hyperpharmacotherapy OR "multiple drug use\*" ) OR TITLE-ABS-KEY ( "multiple drug therap\*" OR "multiple drug prescri\*" OR "multiple drug regimen\*" OR "multi-drug use\*" ) OR TITLE-ABS-KEY ( "multi-drug therap\*" OR "multi-drug regimen\*" OR "multidrug use\*" OR "multidrug therap\*" ) OR TITLE-ABS-KEY ( "multidrug prescri\*" OR "multidrug regimen\*" OR "concomitant drug use\*" ) OR TITLE-ABS-KEY ( "concomitant drug therap\*" OR "concomitant drug regimen\*" OR "concurrent drug use\*" ) OR TITLE-ABS-KEY ( "concurrent drug therap\*" OR "multiple medication use\*" OR "multiple medication regimen\*" ) OR TITLE-ABS-KEY ( "concomitant medication use\*" OR "concomitant medication therap\*" OR "concomitant medication regimen\*" ) OR TITLE-ABS-KEY ( "concurrent medication use\*" OR "concurrent medication therap\*" OR "concurrent medication regimen\*" ) AND TITLE-ABS-KEY ( parkinson OR Parkinsons disease OR parkinsonism OR amentias OR OR pd OR Parkinson’s OR Parkinson-type”)) | ('polypharmacy'/exp OR (polypharma\* OR polypragmas\* OR hyperpharmacotherap\* OR multimedication OR multi-medication):ab,ti OR ((multiple OR concomitant OR concurrent) NEAR/2 (medication OR medicine OR drug) NEAR/2 (use\* OR therap\*)):ab,ti OR ((multi-drug OR multidrug) NEAR/2 (prescri\* OR regimen\* OR treat\*)):ab,ti) AND ('parkinson'/exp OR ‘parkinson disease’/exp OR (parkinson OR parkinsons OR amentia OR amentias OR parkinsonsdisease OR Parkinsonism OR Parkinson-type OR ‘parkinson\_disease’):ab,ti) |