## **Supplementary Table 1. Search terms used in different databases**

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| **Database** | **Search Strategy** |
| PubMed | (("anterior cervical discectomy and fusion"[MeSH Terms] OR "ACDF"[Title/Abstract] OR "cervical discectomy"[Title/Abstract]) AND ("outpatient"[Title/Abstract] OR "ambulatory surgery"[Title/Abstract] OR "same-day surgery"[Title/Abstract]) AND ("inpatient"[Title/Abstract] OR "hospital stay"[Title/Abstract]) AND ("complications"[MeSH Terms] OR "safety"[Title/Abstract] OR "mortality"[Title/Abstract] OR "readmission"[Title/Abstract] OR "reoperation"[Title/Abstract])) AND ("humans"[MeSH Terms]) AND ("english"[Language]) AND ("2000/01/01"[Date - Publication] : "2024/12/31"[Date - Publication]) |
| Embase | (('anterior cervical discectomy and fusion'/exp OR 'ACDF':ti,ab OR 'cervical discectomy':ti,ab) AND ('outpatient':ti,ab OR 'ambulatory surgery':ti,ab OR 'same-day surgery':ti,ab) AND ('inpatient':ti,ab OR 'hospital stay':ti,ab) AND ('complications'/exp OR 'safety':ti,ab OR 'mortality':ti,ab OR 'readmission':ti,ab OR 'reoperation':ti,ab)) AND [humans]/lim AND [english]/lim AND [2000-2024]/py |
| Scopus | (TITLE-ABS-KEY("anterior cervical discectomy and fusion" OR "ACDF" OR "cervical discectomy") AND TITLE-ABS-KEY("outpatient" OR "ambulatory surgery" OR "same-day surgery") AND TITLE-ABS-KEY("inpatient" OR "hospital stay") AND TITLE-ABS-KEY("complications" OR "safety" OR "mortality" OR "readmission" OR "reoperation")) AND (LIMIT-TO(LANGUAGE, "English")) AND (LIMIT-TO(DOCTYPE, "ar")) AND (PUBYEAR > 1999 AND PUBYEAR < 2025) |