**Table S2** Search strategy.

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| **PubMed**The database was searched on June 15, 2024, n=61.Search Strategy:**#1 Search: PICC[Title/Abstract] OR Peripherally inserted central venous catheter[Title/Abstract] OR Peripherally inserted central catheter[Title/Abstract] OR Percutaneous indwelling central catheter[Title/Abstract] OR Central venous catheter[Title/Abstract] Sort by: Most Recent n = 11685****#2 Search: MC[Title/Abstract] OR Midline catheter[Title/Abstract] OR Midline venous catheter[Title/Abstract] OR Midline peripheral catheter[Title/Abstract] OR Medium-term intravenous access[Title/Abstract] Sort by: Most Recent n = 37851****#1 and #2 n = 61** |
| **Web of Science**The database was searched on June 15, 2024, 2024, n=845.Search Strategy:(PICC(Abstract) OR Peripherally inserted central venous catheter(Abstract)OR Peripherally inserted central catheter(Abstract) OR Percutaneous indwelling central catheter(Abstract) OR Central venous catheter(Abstract)) AND **(**MC(Abstract) **OR** Midline catheter(Abstract) **OR** Midline venous catheter(Abstract**) OR** Midline peripheral catheter(Abstract) **OR** Medium-term intravenous access(Abstract**))** |
| **EMBASE**The database was searched on June 15, 2024, 2024, n=139.Search Strategy:(PICC:ti,ab,kw OR Peripherally inserted central venous catheter:ti,ab,kwOR Peripherally inserted central catheter:ti,ab,kw OR Percutaneous indwelling central catheter:ti,ab,kw OR Central venous catheter:ti,ab,kw) AND **(**MC:ti,ab,kw **OR** Midline catheter:ti,ab,kw **OR** Midline venous catheter:ti,ab,kw **OR** Midline peripheral catheter:ti,ab,kw **OR** Medium-term intravenous access:ti,ab,kw) |
| **Cochrane Library**The database was searched on June 15, 2024, 2024, n=18.Search Strategy:(PICC OR Peripherally inserted central venous catheter OR Peripherally inserted central catheter OR Percutaneous indwelling central catheter OR Central venous catheter**)** in Title Abstract Keyword AND(MC OR Midline catheter OR Midline venous catheter OR Midline peripheral catheter OR Medium-term intravenous access**)** in Title Abstract Keyword |
| **ScienceDirect**The database was searched on June 15, 2024, 2024, n=327.Search Strategy:Title, abstract, keywords: ((“PICC” OR “Peripherally inserted central venous catheter” OR “Peripherally inserted central catheter” OR “Percutaneous indwelling central catheter” OR “Central venous catheter”) AND (“MC” OR “Midline catheter” OR “Midline venous catheter” OR “Midline peripheral catheter” OR “Medium-term intravenous access”) |
| **Scopus**The database was searched on June 15, 2024, 2024, n=112. Search Strategy:(TITLE-ABS-KEY (PICC OR Peripherally inserted central venous catheter OR Peripherally inserted central catheter OR Percutaneous indwelling central catheter OR Central venous catheter) AND TITLE-ABS-KEY (MC OR Midline catheter OR Midline venous catheter OR Midline peripheral catheter OR Medium-term intravenous access) |

**Note:** The combined text and medical subject heading (MeSH) terms used were: “Peripherally inserted central venous catheter” and “Midline catheter”.