**Appendix 2.** Study selection. Number of abstracts screened and included per cluster

|  |  |  |  |
| --- | --- | --- | --- |
| CLUSTER | Abstracts found | Number of screened studies | Number of excluded studies |
| PICO1 JCV adults | 588 | 235 | 30 |
| PICO2 SCV adults | 588 | 235 | 7 |
| PICO3 AxV adults | 588 | 235 | 2 |
| PICO4 FV | 218 | 15 | 10 |
| PICO5 Peripheral Veins | 3911 | 108 | 15 |
| PICO6 Long-term | 122 | 99 | 4 |
| PICO7 Arterial | 498 | 64 | 13 |
| PICO8 Detection tip | 976 | 35 | 32 |
| PICO9 Complications | 1523 | 16 | 14 |
| PICO10 IJV paediatric | 1705 | 92 | 11 |
| PICO11 BCV paediatric | 1705 | 92 | 10 |
| PICO12 FV paediatric | 1705 | 92 | 3 |
| PICO 13 radial artery paediatric | 1705 | 92 | 5 |
| PICO 14 peripheral vein paediatric | 1705 | 92 | 1 |