

Supplementary Material 1. Detailed Search Strategy

English databases	The Cochrane Library, PubMed, EMBASE, CINAHL, Joanna Briggs Institute (JBI) Library, ProQuest Dissertations and Theses, Centre of Review and Dissemination
Time	From databases inception until March 11th, 2019
Search string:	#1 Vascular Access Device* [ti] OR Venous Access Device*[ti] OR Vascular Access Devices [Mesh] #2 PICC[ti] OR Peripherally Inserted Central Catheter*[ti] OR Peripherally Inserted Venous Central Catheter* [ti] OR Peripherally Inserted Central Venous Catheter*[ti] #3 CVC [ti] OR Central Venous Catheter* [ti] OR Central Venous Line* [ti] OR Central Venous access[ti] OR Central Venous Catheter[Mesh] #4 Venous Port Access[ti] OR VPA[ti] OR Venous Access Port[ti] OR implant* venous[ti] #5 peripheral intravenous catheter*[ti] OR peripheral venous catheter*[ti] OR peripheral catheter*[ti] OR peripheral IV catheter*[ti] OR midline catheter*[ti] #6 cost [ti/ab] OR price [ti/ab] OR charge [ti/ab] OR benefit [ti/ab] OR effectiveness [ti/ab] OR utility [ti/ab] OR Health economic*[ti/ab] OR economic evaluation*[ti/ab] #7"Economics,Hospital"[Mesh] OR "Economics,Medical"[Mesh] OR "Economics,Nursing"[Mesh] OR "Costs and Cost Analysis"[Mesh] #8 #1 OR #2 OR #3 OR #4 OR #5 #9 #6 OR #7 #10 #8 AND #9

Chinese databases	China National Knowledge Infrastructure (CNKI), China Biology Medicine disc (CBM), Wan-fang data, VIP database
Time	From databases inception until March 11th, 2019
Search string:	#1 题名= (血管通路装置 OR 输液装置) OR 主题词 = (导管插入术, 中心静脉) #2 题名= (PICC OR 外周静脉穿刺中心静脉置管 OR 外周穿刺中心静脉置管 OR 外周中心静脉置管 OR 外周中心静脉导管) #3 题名= (CVC OR 中心静脉导管 OR 中心静脉置管) #4 题名= (VPA OR 静脉输液港) #5 题名=(外周静脉导管 OR 留置针 OR 头皮针 OR 中线导管 OR 中长导管 OR 中等长度导管) #6 主题= (成本 OR 成本效果 OR 效益 OR 效用 OR 卫生经济 OR 经济学分析 OR 经济学评价) #7 主题词= (成本及成本分析) #8 #1 OR #2 OR #3 OR #4 OR #5 #9 #6 OR #7 #10 #8 AND #9