

Abstract:

Blood collection is one of the most common nursing procedures and is not devoid of complications. The order of draw during blood collection is a controversial theme. We aimed to define the efficacy of the order of draw during blood collection to guarantee an exact biochemical result. We carried out a systematic literature review on PubMed, Scopus, Web of Science, CINAHL, Embase, Joanna Briggs Institute, Cochrane Library, and Google Scholar. Articles written in English and published from 2000 to 2020 were considered suitable. The analysis of the 11 articles included highlighted different opinions; however, the most recent evidence declares that the cross-contamination caused by the incorrect order of draw is a trait only in the open system of drawing. The most recent evidence affirms the negligible effect of the order of draw during blood collection when using the closed blood collection system, while it is recommended when using the open collection system.

Reference:

Bazzano G, Galazzi A, Giusti GD, Panigada M, Laquintana D. The Order of Draw during Blood Collection: A Systematic Literature Review. *Int J Environ Res Public Health*. 2021 Feb 7;18(4):1568. doi: 10.3390/ijerph18041568. PMID: 33562241.

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