



The project extensively reviewed comparative literature of studies between conventional three-way stopcock methods and closed arterial lab sampling devices” Benedict et al (2017).

Abstract:

As the quality of patient care continues to improve, nursing professionals are continuously tasked with researching, implementing, and evaluating best practices. The practice of obtaining blood samples from paediatric patients, using a conventional three-way stopcock method, has been associated with peripheral arterial catheter intraluminal contamination and catheter-related bloodstream infections. A paediatric cardiac intensive care unit (PCICU), in a large medical centre in the USA, set an objective to mitigate the risk of possible contamination by implementing the use of closed arterial lab sampling devices.

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The project extensively reviewed comparative literature of studies between conventional three-way stopcock methods and closed arterial lab sampling devices. Furthermore, it successfully implemented the recommended best practice with sustained compliance. This article discusses appraising current literature, translating into practice, and evaluating compliance throughout the PCICU over a 2-year period.



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Reference:

Benedict, A., Mayer, A. and Craven, H. (2017) Closed arterial lab sampling devices: a study of compliance and best practice. British Journal of Nursing. 26(14), p.S24-S29.

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