



securAcath.

Reduce Infections

Decrease Dislodgements

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The graphic features the SecurAcath logo at the top. Below it, the text 'Reduce Infections' and 'Decrease Dislodgements' is displayed in large, bold, white font against a dark orange background. A 'Learn More' link with a right-pointing arrow is positioned below the text. On the right side, there is a detailed illustration of the SecurAcath device, which is a yellow, T-shaped connector with a central needle. The device has 'LIFT' and 'HOLD' labels on its wings and the SecurAcath logo on its top surface. The background of the graphic is a gradient of orange and yellow, with a white diagonal line separating the top section from the bottom section.



Intravenous literature: Mathew, A., Gaslin, T., Dunning, K. and Ying, J. (2009) Central catheter blood sampling: the impact of changing the needleless caps prior to collection. *Journal of Infusion Nursing*. 32(4), p.212-8.

Abstract:

Little is known about the association between central catheter needleless connectors and bacteremia. In a cohort study on 91 patients, central catheter blood samples were collected using 3 methods—old cap (the existing cap), new cap (after replacing the old cap with a new sterile cap), and peripheral methods—from each patient and their correlation was examined. The old cap method identified 36 positive bacteremia cases. However, only 17 cases were verified by the new cap method, yielding a positive predictive value of 47.2% (17/36). The 19

false-positive cases indicated old cap contamination. This study recommends that changing the needleless cap before drawing blood samples would be an ideal practice for obtaining more specific and reliable results in diagnosing bacteremia.

