A prospective study compared published outcomes with conventional intravenous (IV) catheters against results using a newly designed IV catheter with a retractable, coiled-tip guidewire” Anderson (2016).

Abstract:

With potential hospital reimbursement centered on patient satisfaction, limiting the number of invasive peripheral venipunctures may increase Press Ganey satisfaction scores. A prospective study compared published outcomes with conventional intravenous (IV) catheters against results using a newly designed IV catheter with a retractable, coiled-tip guidewire. The objectives were to determine whether successful first-attempt and IV complication rates might be altered using the new technology. In a small community hospital-based study of 95 patients, first-attempt success, complications, dwell time, and patient satisfaction results with the new technology scored significantly better, from insertion to removal, than published outcomes with conventional catheters.

Reference:


DOI: 10.1097/NAN.0000000000000173

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