



Intravenous literature: Peterson, K.A., Phillips, A.L., Truemper, E. and Agrawal, S. (2012) Does the Use of an Assistive Device by Nurses Impact Peripheral Intravenous Catheter Insertion Success in Children? *Journal of Pediatric Nursing*. 27(2), p.134-143

Abstract:

Peripheral intravenous (PIV) access is a common and essential component for the medical management of the hospitalized child. Delayed or failed PIV insertion can increase the risk for complications from delayed intravenous treatment. Repetitive PIV insertion attempts can cause psychological trauma to the child and decrease family satisfaction. This study examined the success of two vein visualization assistive devices in aiding PIV insertions performed by pediatric medical/surgical nurses. During the 11-month investigation period, PIV insertion success was significantly higher when no assistive device was used compared to assisted methods. Implications for practice and further research are discussed.

