Feasibility study of a visually guided male urinary catheterization device

Article summary:

Use of a visually-guided urinary catheterization device by nurses in an emergency department is feasible and safe.

A pilot study of 25 male emergency department patients was conducted to determine the feasibility and safety of a visually-guided urinary catheterization device. Nurses were trained to use the device which uses a camera within a triple lumen flexible urinary catheter with an angled tip. Patients with a standard indication for urinary catheterization were evaluated, with all patients undergoing successful catheter placement; two experienced gross hematuria; pain prior to and during the procedure averaged 3.4 and 4.3, respectively; and total procedure time averaged 11.3 minutes. Four patients had characteristics signaling the potential for a difficult catheterization. This study suggests that visually-guided urinary catheterization is feasible and safe to use in the clinical setting.

Banks KL, Willette PA, Boyers PJ, et al. Feasibility study of a visually guided male urinary catheterization device. J Urol 2009;181:S4 (abstract #1275). American Urological Association annual meeting, Chicago, IL, 2009.
http://download.journals.elsevierhealth.com/pdfs/journals/0022-5347/PIIS0022534709612891.pdf

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