



Clinical Evaluation of the **Affix Clip™**

A Prospective Human Usability Study of a Novel Drainage Catheter Fixation Device

Percutaneous drainage catheter fixation remains a persistent source of patient discomfort and complications for patients. The Affix Clip™ is a novel, patent-pending, suture-less fixation device designed to improve usability for patients and caregivers. This white paper presents findings from a prospective pilot usability study conducted at Northwestern Memorial Hospital, evaluating the device using the System Usability Scale (SUS).

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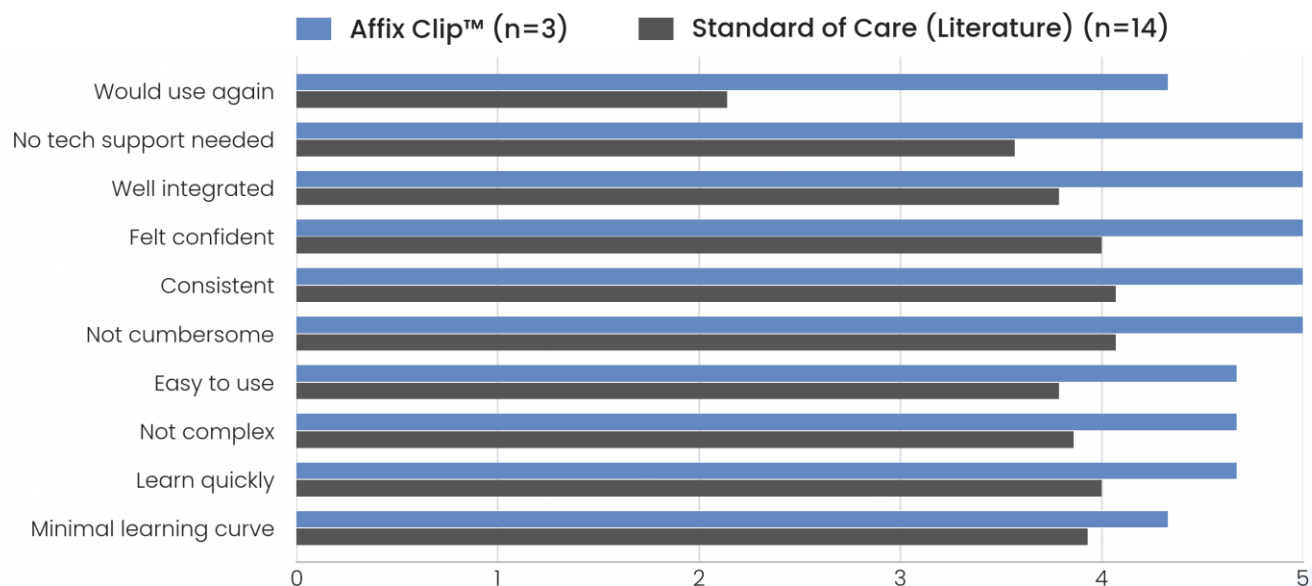
Methods

Participants requiring percutaneous drainage catheters placed by Interventional Radiologists were enrolled in this study. Study patients had their drainage catheters fixed to skin using a combination of suture and The Affix Clip. Drain usability was assessed on day 7 using the validated System Usability Scale (SUS). The System Usability Scale is a validated ten-item questionnaire that produces a standardized 0–100 usability score, enabling objective, benchmarked comparison of patient-perceived device usability. Results were compared to a prior publication of drain usability in patients who had catheters fixed with standard adhesive dressings and suture.¹

Results

The Affix Clip outperformed standard-of-care across all usability domains

SUS Domain Comparison (1-5, higher is better)



The Affix Clip
SUS Score

94.2

N=3, day 7

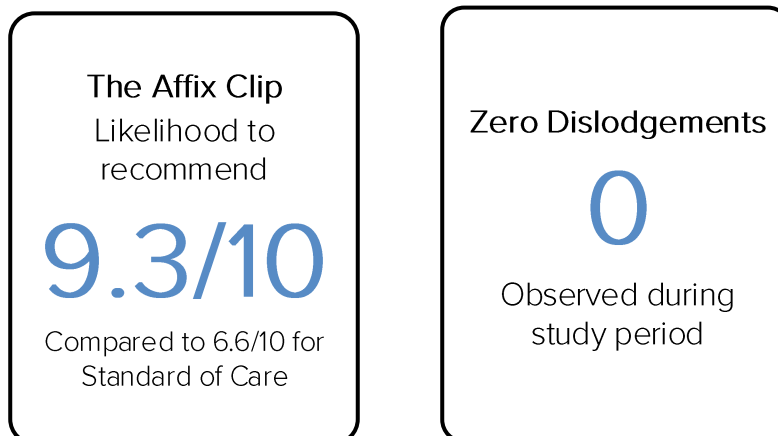
Standard of Care
SUS Score

68.1

N=14, day 7 (published)¹

1 - Anna Lytchakov, Rohan Bhargava, Gabriel M. Knight, Abhinav Talwar, Ahsun Riaz, Riad Salem, Assessing Quality-of-Life and Usability Associated With Percutaneous Drainage Catheters, Journal of Radiology Nursing, Volume 46, 2026, 101398, ISSN 1546-0843.

Key Findings



Exceptional Usability

Affix Clip enabled patients to have drainage catheters that they perceived to be **more usable** as compared to standard of care



Highly Recommended

Patients using The Affix Clip where **more likely to recommend** it to other patients as opposed to standard of care



Safe and Well Tolerated

No device-related adverse events or usability issues were noted during the study

Testimonials

“The worst part is the suture...I would love to get rid of the suture and keep the device.” - Patient 1

“Things are going great. My dressing changes went smoothly. [The Affix Clip] is working quite well holding the tube in place, and I’ve just had my first shower.” - Patient 3

“Extremely simple, with clever design, and great for patients. Tube fixation has improved significantly for patients with The Affix Clip.” – Interventional Radiologist



The Affix Clip is designed to improve patient experience and clinical outcomes

Learn more at www.affixmedical.com