2016 Updates to the INS Infusion Therapy Standards of Practice

Needleless Connector Antimicrobial Protection

Needleless Connectors **Standard 34, page S68**

- Use of passive disinfecting caps containing disinfecting agent (IPA) has been shown to reduce intraluminal microbial contamination and reduce the rates of CLABSIs.
- Use of disinfection caps on PIVs has limited evidence but should be considered.
- Ensure that disinfecting supplies are readily available at bedside to facilitate staff compliance with needleless connector disinfection. (Level V)

Catheter Securement/Stabilization

Vascular Access Device (VAD) Stabilization **Standard 37, page S72**

- Do not rely on vascular access device dressings (standard, non-bordered transparent semipermeable membrane (TSM) dressings, gauze and tape dressings) as a means of stabilization as there is insufficient avidence supporting their benefits as stabilization devices. (Level I)
- For PIV consider: (1) Integrated stabilization on PIV catheter hub with a bordered polyurethane securement dressing or (2) a standard round hub PIV in combination with an adhesive engineered stabilization device (ESD*). (Level III)
- Use of a bordered polyurethane securement dressing alone on a PIV with a traditional hub allowed more PIVs to reach 72 hours of dwell with fewer needing restarts; however, more data is needed. (Level V)

Skin Protection

Vascular Access Device (VAD) Stabilization **Standard 37, page S72**

- Be aware of the risk of medical adhesive-related skin injury (MARSI) associated with the use of adhesive ESDs.
- Apply barrier solutions to skin exposed to adhesive dressing to reduce risk of medical adhesive-related skin injury (MARSI). (Level I)

Vascular Access Device (VAD) Assessment, Care, and Dressing Changes **Standard 41, page S81**

- Assess the VAD catheter-skin junction site and surrounding area for redness, tenderness, swelling, and drainage by visual inspection and palpation through the intact dressing and through patient reports about any discomfort including pain, paresthesias, numbness, or tingling.
- PIV catheters: assess minimally at least every 4 hours; every 1 to 2 hours for patients who are critically ill/sedated or have cognitive deficits; hourly for neonatal/pediatric patients; and more often for patients receiving infusions of vesicant medications. 7 (V)
- Patients receiving outpatient or home care: instruct the patient or caregiver to check the VAD site at least once per day for signs of complications and to report signs/symptoms or dressing dislodgement immediately to their health care provider; for continuous infusions via a short peripheral catheter, instruct to check the site every 4 hours during waking hours. 2,7 (V)

3M℠ Health Care Academy

2016 Infusion Therapy Standards of Practice overview modules available at 3M.com/3MHealthCareAcademy

*** Engineered Stabilization Device (ESD):** A device or system placed subcutaneously or topically; specifically designed and engineered to control movement at the catheter hub.

3M Science. Applied to Life.™

3M has solutions that can help clinicians be compliant with 2016 Infusion Therapy Standards of Practice

Needleless Connector Antimicrobial Protection

3M™ Curos™ Disinfecting Caps

- Consistent use of Curos™ Disinfecting Caps on I.V. needleless connectors is associated with decreased CLABSI
- Strips hang on I.V. poles, positioning caps for convenient, bedside availability
- Disinfects the needleless connector in 3 minutes for up to 7 days

Catheter Securement

3M™ Tegaderm™ I.V. Advanced Securement Dressing

- Engineered Stabilization Device (ESD) designed with stabilization borders, a force-shifting notch and securement tape strips
- Promotes consistent application
- Provides securement and barrier to external contaminants†

Skin Protection

3M™ Cavilon™ No Sting Barrier Film

- Proven to protect skin from adhesive trauma (MARSI)
- Compatible with chlorhexidine gluconate (CHG)
- Provides a fast-drying, sterile solution
- Peel-open packaging to permit sterile delivery

† *in vitro* testing shows that the transparent film provides a viral barrier from viruses 27 nm in diameter or larger while the dressing remains intact without leakage.

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