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Neutron® Needlefree Catheter Patency Device Change Recommendations

According to the Neutron directions for use, the device should be *changed in accordance with current, recognized guidelines of IV therapy*. What this means is that the Neutron device should be changed in accordance with the current established protocol for infusion therapy devices within your facility, or if the facility does not have an established protocol, in accordance with the CDC Guidelines.[1]

The CDC guidelines recommend tubing changes no more frequently than at 96-hour intervals, but at least every 7 days. The CDC goes on to say that infusion sets for lipids and blood products should be changed every 24 hours. ICU Medical recognizes that the most common change protocol for the Neutron device is at 72- or 96-hour intervals; and always in cooperation with the standard tubing change protocol for the facility. We also recognize that when the Neutron device is placed on a peripherally inserted central venous catheter (PICC), users will change the device once per week in cooperation with the dressing change.

The Neutron device is also compatible with blood products and may be used for both blood sampling and infusion. ICU Medical does not specifically recommend changing the Neutron device after use with blood, as this increases manipulation, which may pose additional unnecessary risks. Blood flush studies have been conducted by ICU to demonstrate that the Neutron device can be effectively cleansed of any blood residuals following use.[2] When using blood products with the Neutron device, the post-flush procedure should be carefully considered to ensure that blood residue has been appropriately flushed.

If there are further questions or concerns, please visit our website at www.icumed.com or contact the corporate offices at 949-366-2183 or 800-824-7890.

Technical Services
ICU Medical Inc.

1. Guideline for the Prevention of Intravascular Catheter-Related Bloodstream Infections, Final Issue Review, May 17, 2010 (http://www.cdc.gov/hicpac/pdf/BSI_guideline_IssuesMay17final.pdf).
2. Breznock EM, DVM, PhD, Diplomate ACVS, Sylvia CJ, DVM, MS. Biosurg, Inc. The in vivo evaluation of the flushing efficiency of the Neutron needlefree catheter patency device compared to two other connectors commonly used on central and PICC lines; 2011.