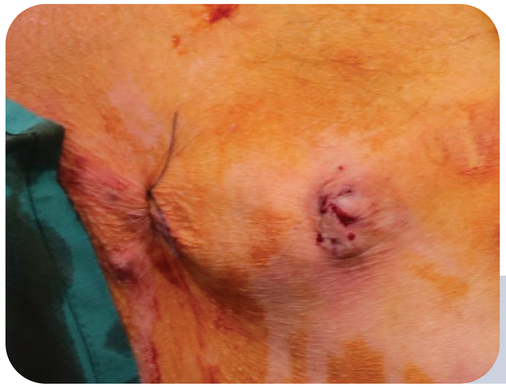
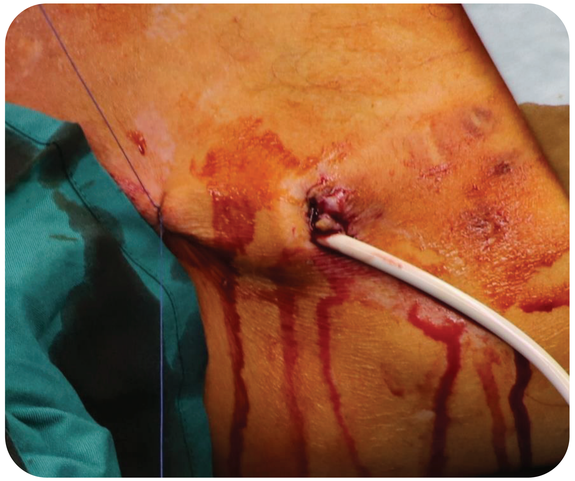
Elimination of Bleeding After Tunnelled Catheter Removal By Modified Technique In Practice



Morteza Khavanin Zadeh

Associated professor of surgery, Hasheminejad Kidney Center, Iran university of Medical Sciences

Aim: present a modified method for catheter removal to prevent of hemorrhage of the catheter removal



Introduction: Sometimes tunnelled dialysis catheter should be removed due to complications in hemodialysis patients. It may be associated with hemorrhage. [1,2]

Method: The study included the analysis of retrospective results of 2795 tunnelled catheter removal procedures in our center, 2686 of which were performed using the standard method, and in 107 cases, the modified technique was applied. We passed the 3.0 nylon large needle around the tunnelled catheter and then tight the suture. We do not use suture in outlet site due to the risk of infection.

Results: Applying this method was a safe and easy to apply and useful method for tunnelled catheter removal in our center. We reported only one bleeding around catheter entry site with this modified technique of tunnelled catheter removal. While, the other technique was associated with 21 cases of bleeding.

Conclusion: In our practice, the over-catheter tract suture is the safe and easy to apply and useful method for tunnelled catheter removal and is associated with Less bleeding around catheter entry site

References:

1. Letachowicz K, et al. Over-catheter tract suture to prevent bleeding and air embolism after tunnelled catheter removal. The Journal of Vascular Access. 2017 Mar;18(2):170-2.
2. Porazko T, Hobot J, Ziembik Z, Klinger M. Tunnelled haemodialysis catheter removal: An underappreciated problem, not always simple and safe. International Journal of Environmental Research and Public Health. 2020 Jan;17(9):3027.

wocova2022.03e01fd