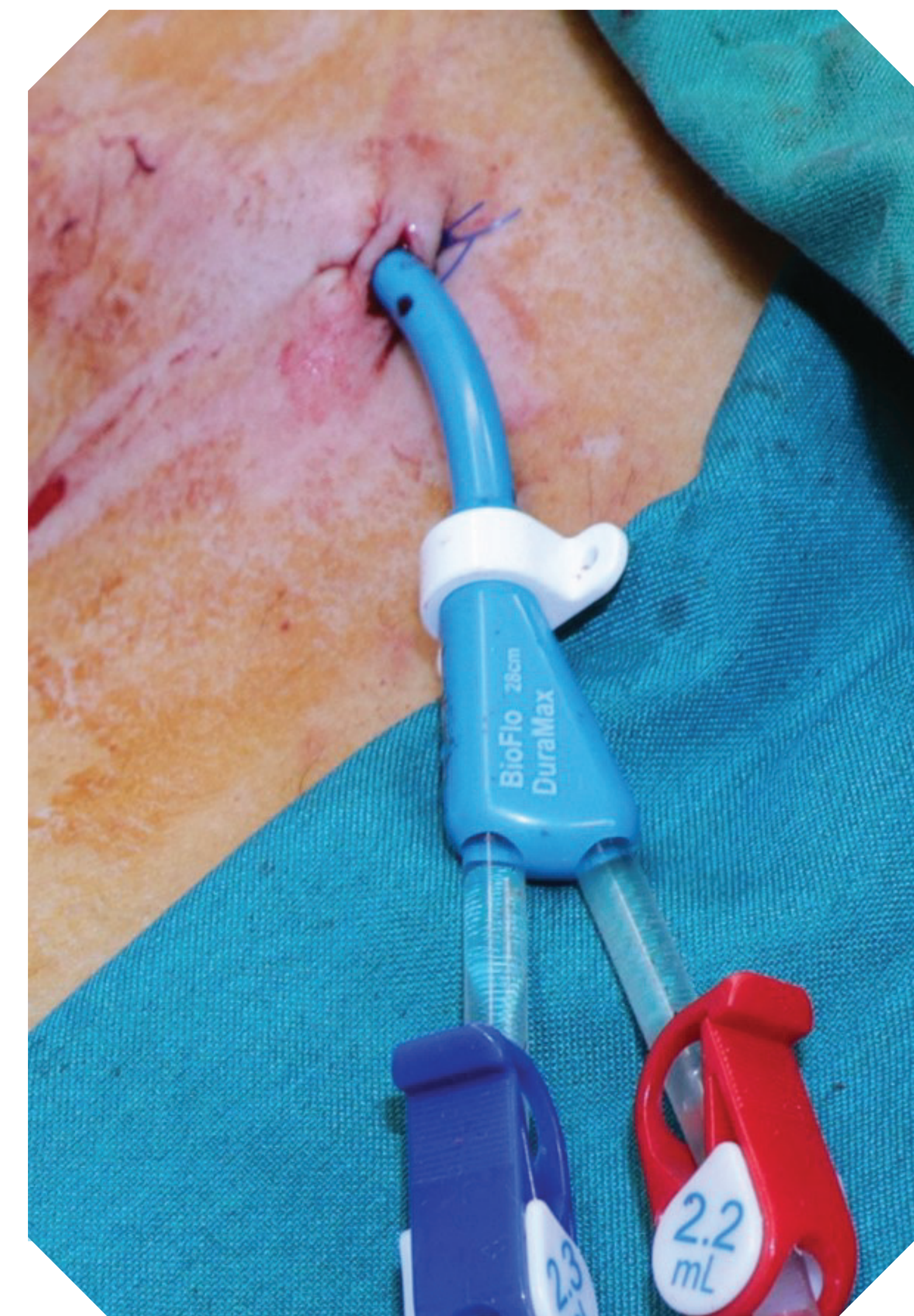




Two mattress suture: A useful technique to prevent bleeding in Hemodialysis tunnelled catheter insertion

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Aim: present a modified method for catheter insertion to prevent bleeding after procedure

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

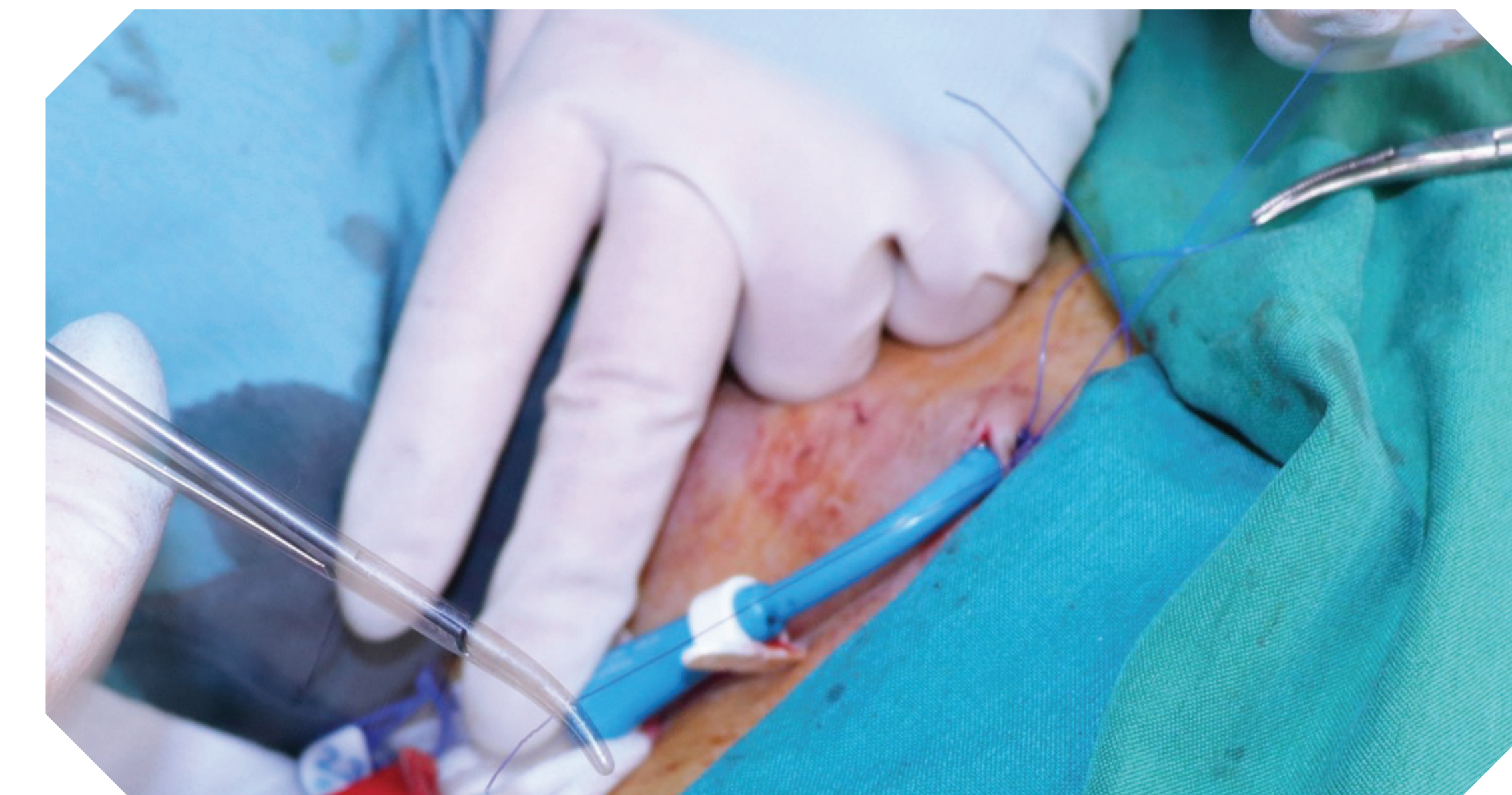
Method: The study included the analysis of retrospective results of 5339 tunnelled catheter insertion procedures in our center, 5005 of which were performed using the standard method, and in 334 cases, the modified technique was applied. First, small incision is created for stab site, then its closure is performed with 2 mattress suture. Two near sutures were closed to each other to fix catheter to skin.

Results: Applying a two mattress suture was a safe and easy to apply and useful method for tunnelled catheter insertion in our center. We reported only one bleeding around catheter entry site with this modified technique of tunnelled catheter insertion. While, the standard and routine technique was associated with 39 cases of bleeding.

Conclusion: : In our practice, the two mattress suture procedure is the simplest and best method of central vein catheter insertion in hemodialysis patients with less bleeding around catheter entry site, so, it can be applied over the world.

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2. Royo P, García Testal A, Soldevila A, Panadero J, Cruz JM. Tunneled catheters. Complications during insertion. Nefrología (English Edition). 2008 Oct 1;28(5):543 8.



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