

CASE STUDY: SILVER DRESSINGS AND BUTTONHOLE TECHNIQUE IN FISTULA WITH PANNICULITIS

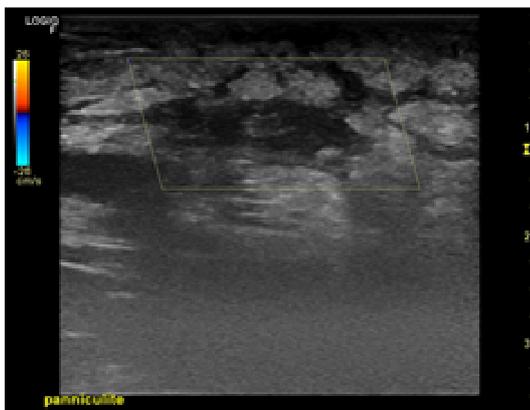
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Introduction

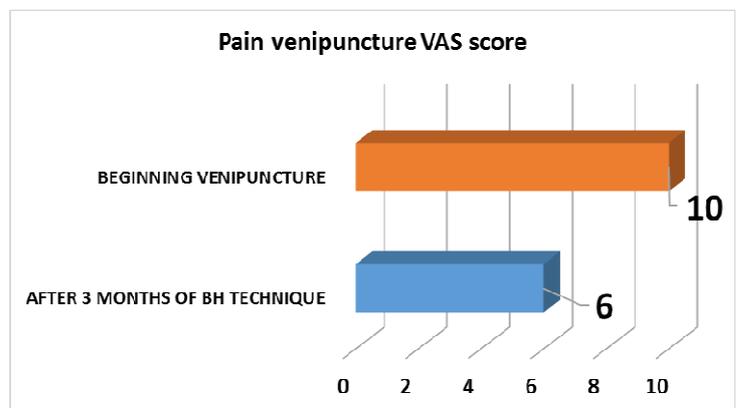
The buttonhole technique reduces complications related to frequent venipunctures, such failures, pain, bleeding and hematoma. The silver dressings with antimicrobial action can be used as a barrier for microorganisms in high-risk of infection wounds managing.

Methods

We observed a 62 year old male patient, who underwent nephrectomy in dialysis treatment for 3 years and two months. Over the past few years, due to his inadequate superficial venous vascular territory, an episode of thrombosis (lasting 77 days) occurred in the rx PTFE Prosthetic AVF as well as two unsuccessful permanent CVC. In July 2015 a native proximal left AVF with superficialization of basilic vein was prepared for this patient, complicated by a panniculitis in the tissue overlying the venipuncture area, as shown in the echography picture 1.



(Figure 1)



(Figure 2)

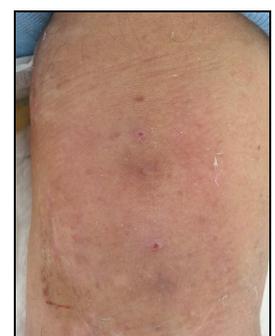
The first venipunctures performed in November 2015, caused an eschar on the venous site, fig. 3, which made the venipunctures complicated. The pain detected by VAS (Visual Analogue Scale) in the first venipunctures, showed a score of 10, reduced to 6 within three months, fig. 2. The patient was enrolled for the Buttonhole technique, using a silver ions releasing dressing at the end of the dialysis session. In the period of tunnel formation, a photograph monitoring was performed, fig. 4 - 5.



19 nov 2015 (Figure 3)



25 nov 2015 (Figure 4)



2 dic 2015 (Figure 5)

Results

During the three weeks of preparation of the tunnel, there was a reduction of edema as well as the elimination of the eschar, which made the venipuncture easy and less painful.

Conclusions

We observed the efficacy of the silver ions releasing dressing in the reduction of the eschar at the needle insertion point in the AVF, moreover the synergy of Buttonhole technique and silver allowed the easy venipuncture of a high-complicated fistula.

Bibliografia

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