

# **Are postoperative drains necessary with the Karydakis flap for treatment of pilonidal sinus? (Can fibrin glue be replaced to drains?)**

## **A prospective randomized trial.**

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### **Abstract:**

Purpose: Different surgical techniques for pilonidal disease have been described in the literature. In this study, our aim was to evaluate the influence of routine cavity drainage in the Karydakis flap technique. Methods: As much as 50 male patients with pilonidal sinus who underwent the Karydakis flap operation were evaluated prospectively. The patients were assigned randomly into two groups (Group 1 with suction drain; Group 2 fibrin glue). Results: Fluid collection was encountered in 8 out of 50 patients (6.25%): 6 in Group 2 (24%) of which 4 experienced superficial, healed with simple dressing, the other 2 with substantial dehiscence healed with wound dressing; 2 in Group 1 (8%) were treated with wound punctures. There has been no recurrence in any of the patients during the follow-up period. The Karydakis flap operations can be performed with a near zero recurrence rate with the use of drains. Conclusion: We recommend the use of fibrin sealant with Karydakis flap procedure, but further studies are needed to confirm this conclusion. © Royal Academy of Medicine in Ireland 2010.