## Comparison between drain in the treatment of acute

Jalal Vahedian, MD. Fatemeh Nabavizadeh, PhD. Nouza Mohammad Vahedian, (Student), Ali Sadeghpour, M.

## **ABSTRACT**

Objective: Simple, incision and urdarinaby, means of life sacrocaccygeal pilonical abscessing associated with the property of the compared than 40% recurrence. Definitive the intensity of the chirolic pilonidal sinustis recommende the intensity of the compared to compare the recommender that the compared the pilonidal sinustic pilonidal sinustis recommender the pilonidal sinustis pilonidal sinustic pilonidal

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From the Department of Surgery (Vahedian I, Sadeghnour). Shahid Rajaie Host Medical Sciences and il Received 13th September 2004. Accepted for publication in final form 4th December Address correspondence and reprint request to: Dr. Jalat Vahedian Associate Projatvahedian vahoo.com

## Drainage or curettage of pilonidal abscess ... Vahedia



Figure 1 - Acute pilonidal abscess enrolled for curettage or drainage.

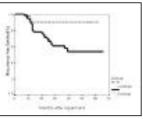


Figure 3 - Recurrence free rates (cure rate) of patients treated with curettage compared to subjects treated with drainage.



Figurero2ng and curettage of acute pilonidal abscess.

intubation, the patients were positioned in Jackknife position. After incision and unroofing of the abscess cavity and evacuation of pus, hair and foreign material were removed from the cavity. One-half were treated by incision and drainage (drainage group). The other one-half were treated with curettage of the abscess cavity (curettage group, Figure 2). The abscess cavity was thoroughly curetted with a bone curette. Hemostasis was achieved by electro coagulation. Fine mesh gauze was placed over the wound, and fluffed sponges were loosely packed in the wound. All surgical wounds were laid open, and daily sits bath and douche was recommended postoperatively at home. The wound was kept as clean as possible, and the

incision and drainage. 3 However the responsibility of how often healing per primarily well of the present prospect which a higher than the prospect well a higher than a higher than the prospect well a higher than a social and the prospect well a higher than a social and the prospect were associated with a prolong that the prospect well as a prolong that the property were associated with a prolong that the property were associated with a prolong that the property were specially was gestened to consider the property which were would drain age of a citie a backets substituted the property were special emphasis on the course of the property of the p

dichotomous variables were analyzed using Student's t-test and Chi-Square test. P values of <0.05 were considered significant.

Results. Of 275 patients with pilonidal disease, there were 175 chronic sinus and 150 acute abscess. Patients who suffered from acute pilonidal abscess were randomly assigned to receive one of 2 drainage or curettage surgical procedures. There were no significant differences between the 2 groups in terms of mean age and gender ratio. Hospital stay in the subjects treated by curettage was no longer than that in those treated by drainage (1.12 + 0.43 yersus 1.24 + 0.6, n=0.17).

Completed wound healing, up to 10 weeks after surgery (healing per primam), was observed significantly more in subjects treated by curettage than those treated by drainage (96% versus 78.7% p=0.001). During a follow-up of up to 65 months. the recurrence rate was significantly lower in patients treated with curettage than that in those treated with drainage: 10% versus 54%, p<0.001, (Figure 3).

**Discussion.** This study showed higher healing rates and lower recurrence rates than those achieved by the conventional therapy of acute pilonidal abscess; namely incision and drainage. The optimal treatment of pilonidal disease should result in a minimal recurrence and a short postoperative convalescence. While incision and drainage of the acute pilonidal abscess has long been considered as standard therapy, the recurrence rate ranges from 40-76%.1.4.5 The high recurrence rate prompts the treatment of some patients with primary excision. This primary excision procedure does not significantly improve recurrence rates but results in a longer postoperative convalescence.1 According to Jensen's study,3 42.4% failure to healing per primam was encountered 12 weeks after local anesthesia and simple incision and drainage for acute pilonidal abscess. Our study resulted in 21.3% failure to healing in a period of up to 10 weeks. Lower rates of failure may be due to better drainage and cleansing of the abscess cavity under general anesthesia and a suitable position. Hair remaining in an inadequately drained abscess cavity is the chief factor in causing the persistence of the infection with drainage at the incision site or formation of a new abscess.6 Shaving the hair for 3 to 4 cm from the surrounding edges to prevent its accumulation in the wound may be the most important aspect of postoperative care.7 Most of the patients in our study were discharged on the first postoperation day, and they were encouraged to keep a regular diet and take appropriate analgesia. This study with up to 56 months of follow-up confirms that the curettage technique achieves a shorter postoperative convalescence, higher healing rates and lower compromising recurrence rates.

In conclusion, unroofing and curettage, which is associated with higher rates of healing and lower rates of development of chronic pilonidal sinus, may be the treatment of choice in acute pilonidal abscess.

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