Use of a Urogel Reservoir as a Closed-Suction Drain: Letter to the Editor

Kapalı Emme Dren Sistemi Olarak Bir Ürojel Rezervuarının Kullanımı

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Closed-suction drains have a widespread use in surgical practice. The drainage systems such as closed-suction drainage or Penrose drain are usually used to prevent accumulation of fluid or blood after surgery.[1,2] There have been various reports in the literature on innovative drainage systems which are alternatives for closed-suction drains.[2,3] This paper describes an easy method that can be used as a continuous suction drainage system for especially small surgical wounds, making use of a sterile feeding tube and a sterile urogel reservoir.

After the urogel reservoir is evacuated or used for urinary catheterization in the operation, a sterile feeding tube with an appropriate diameter is connected to the reservoir (Figure 1). If desired, multiple holes can be created on the feeding tube using a scissor. The tube prepared is passed into the surgical wound through a separate incision until all the holes are inside the surgical wound, and it is fixed in place by a stay suture attached to the skin. Then, negative pressure is applied to the reservoir, and the surgical wound is closed (Figure 2). Effective suction drainage of the sur-

FIGURE 1: Feeding tube with an appropriate diameter is connected to the reservoir.

FIGURE 2: Postoperative view of the patient with the closed-suction drain.

gical wound is thus obtained. The drain is removed as necessary. When the reservoir is filled with the draining fluid, it is easy to be replaced with another reservoir or simply be evacuated and reused.

This alternative system can be used in any surgical wound. The system presented was found to be very effective and a simple method in closed drainage of small surgical wounds. It is easy to prepare and enables effective drainage of the wound. We recommend the use of this simple and cheap method in small wounds or where considered appropriate.

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