

복막투석 도관 파열 환자에서 새로운 연결 장치를 이용한 도관 부분 재이식 1예

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A New Connecting Technique in Partial Replantation of a Ruptured Peritoneal Dialysis Catheter

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Peritoneal dialysis catheter ruptures have been managed by immediate removal and subsequent reinsertion of the catheters which inevitably entails interruption in peritoneal dialysis and a need for vascular access. A 36-year-old man on continuous ambulatory peritoneal dialysis complaining of dialysate leakage was found to have a small rupture near the outer cuff of the peritoneal dialysis catheter. Rather than employing the traditional way of exchanging the whole catheter, we performed a partial replantation procedure to salvage the still-functioning conduit. We used two peritoneal dialysis adaptors to connect the end of the remaining old catheter to a new extraperitoneal segment of a new catheter and a piece of a transfer set to connect the adaptors. We hereby suggest a novel yet simple and safe means of partial peritoneal dialysis catheter replantation when managing catheter injuries.

Key Words: 도관, 복막투석, 재이식
Catheter,
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Fig. 1. A new PD adaptor was located near the exit site because of previous spontaneous rupture.



Fig. 2. Rupture of the catheter on the posterior side near the outer cuff (arrow).

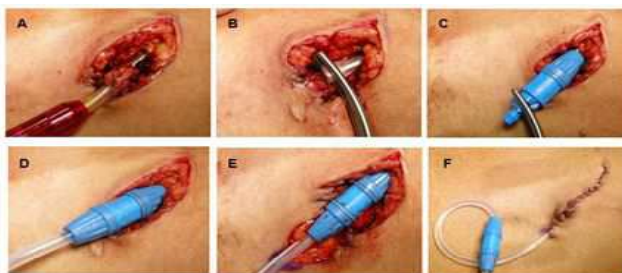


Fig. 3. Surgical partial replantation technique. (A) A skin incision was made to expose the outer cuff and tunnel. (B) The catheter was cut proximally to the rupture site and the outer cuff. (C, D) The two catheters were connected using two PD adaptors and a part of a transfer set. (E) The skin incision was extended from the old exit site downward to make a new exit site. (F) The wound was closed in layers and the catheter was connected to a PD adaptor and the transfer set.

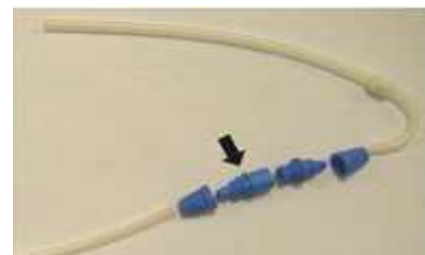


Fig. 4. Diagram of the connecting devices. The arrow denotes the part of the transfer set.