

## 복막 투석관 삽입 중 발생한 방광 천공

영남대학병원 내과

최윤정, 정선영, 조규향, 박종원, 도준영, 윤경우

### Bladder Perforation During Peritoneal Catheter Implantation

Yoon-Jung Choi, Sun-Young Jung, Kyu-Hyang Cho  
Jong-Won Park, Jun-Young Do, Kyung-Woo Yoon

Department of Internal Medicine, Yeungnam University Hospital

Peritoneal dialysis offers many advantages, but it is associated with a significant number of complications. Several complications of peritoneal dialysis catheter implantation have been described such as bowel perforation, bleeding, wound infection, malpositioning, and dialysate leakage. We experienced case of iatrogenic intraperitoneal bladder perforation during peritoneal dialysis catheter implantation.

A 63 years old man was hospitalized for PD catheter implantation. He was a patient suffering from hypertension, diabetes mellitus, and chronic kidney disease. After peritoneal catheter implantation, since he could not urinate on his own, urethral catheter was placed. While we repeated dialysate infusion and drainage for intraabdominal irrigation, we found that drained volume was less than infused volume and the rest was drained through urethral catheter. Therefore we suspected intraoperative bladder perforation, and decided perform retrograde computed tomographic cystography. It revealed a part of PD catheter was located in bladder, and extravasation of contrast dye from the bladder, consistent with an intraperitoneal injury.

We performed another surgery again, removing PD catheter which were implanted in the bladder and started conservative treatment with catheter drainage, prophylactic antibiotics, and close clinical observation.

Urethral catheter insertion should be considered for diabetes patient although bladder injury rarely occur during PD catheter implantation. We should pay attention to especially diabetic patient, who tend to develop neurogenic bladder. We report here rare cases of intraperitoneal bladder injuries during PD catheter implantation without complication of peritonitis or sepsis, which was successfully treated with urethral catheter drainage and prophylactic antibiotics, without complications or long term sequelae.

**Key Words:** 복막 투석, 합병증, 방광 천공

Peritoneal dialysis, Complication, Bladder perforation