

복막투석 환자에서 발생한 Trichosporon inkin 복막염 1예

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A Case of CAPD Peritonitis Caused by Trichosporon Inkin in ESRD

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Introduction : Peritonitis is common in CAPD patients and shows various clinical courses. The most common causes are gram positive cocci, but there are found gram negative, culture negative, fungal peritonitis, too. Funguses are rare causes of CAPD peritonitis but it is hard to treat with catheter preserving strategy. We experienced an extremely rare case of CAPD peritonitis caused by Trichosporon inkin and we first report in Korea.

Case : A 52-year-old man with end-stage renal disease secondary to type II diabetics mellitus on continuous ambulatory peritoneal dialysis (CAPD) since March 2007, presented to the emergency room. He suffered 7 days history of fever, chilling sense and whole abdominal pain. In physical examination, there was diffuse whole abdominal tenderness but no-rebound tenderness. His body temperature was 38.4°C, and blood pressure, heart rate, respiratory rate was normal. The peritoneal fluid was cloudy and effluent WBC count is 800/mL with 77% of neutrophils. We diagnosed to CAPD peritonitis and used intra-peritoneal empirical antibiotics with cefazoline and ceftazidime. But three days later, there was not significant clinical improvement and repeated WBC count of peritoneal fluid was 360/mL with 66% of neutrophils. In initial peritoneal fluid culture, Trichosporon inkin was identified and we removed CAPD catheter with started IV fluconazole. Three weeks after the catheter removal, patients improved and doing hemodialysis in OPD.

Conclusion : We report Trichosporon inkin peritonitis in CAPD for the first time in Korea, and we suggest that such a rare organism can be found in fungus culture. It is also important to identify the causes of peritonitis.

Key Words : 복막투석, 복막염, 진균
CAPD, Peritonitis, Trichosporon inkin