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A novel conservative treatment for peritoneal dialysis- related hydrothorax: two case reports and literature review

A conservative treatment for PD- related hydrothorax

Abstract

BACKGROUND

Peritoneal dialysis (PD) is an important renal replacement therapy for patients with end-stage renal disease (ESRD). PD-related Hydrothorax is a rare but serious complication of PD patients, produced by the movement of peritoneal dialysate through pleuroperitoneal fistulas. In previous reports, patients with hydrothorax secondary to PD were usually recommended to discontinue PD and transfer to HD. Herein, we describe another way to manage this complication – with adjusted PD prescription and continuous drainage of pleural effusion, patients could continue PD without recurrence of hydrothorax.

CASE SUMMARY

In this report, we presented the medical records of 2 patients with hydrothorax secondary to PD. We recommended intermittent peritoneal dialysis (IPD) with continuous drainage of pleural effusion. A type 18Ga soft catheter was placed to drain

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