

Encapsulating Peritoneal Sclerosis

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Keywords:	peritoneal dialysis, sclerosis, end-stage renal disease



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A 50-year-old woman underwent peritoneal dialysis (PD) for 8 years. She had suffered from three episodes of PD-associated peritonitis in her PD vintage. She complained of intermittent abdominal fullness in the previous three months. The kidneys-ureters-bladder x-ray demonstrated diffuse peritoneal calcification (Picture 1). Abdominal computed tomography showed typical peritoneal calcification and a thickened intestinal wall in the peritoneal membrane (Picture 2).

Encapsulating peritoneal sclerosis (EPS) is a rare but serious complication for patients with chronic PD. The clinical manifestation of the thickened and sclerosing peritoneum generally leads to ultrafiltration failure. Furthermore, recurrent peritonitis and extended duration of PD are considered to be risk factors for this problem (1). Bowel obstruction followed by malnutrition or mortality can occur in severe patients. Because of the poor prognosis of this disease (2), it is important to be aware of the possibility of EPS in a chronic PD patient with repeated peritonitis and ultrafiltration failure.

The authors state that they have no Conflict of Interest (COI)

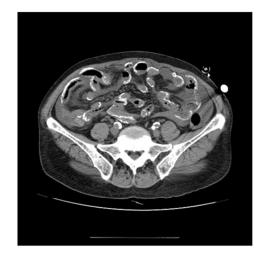
References

- 1. Korte MR, Sampimon DE, Lingsma HF, et al. Risk factors associated with encapsulating peritoneal sclerosis in Dutch Eps Study. Perit Dial Int **31:** 269-278, 2011
- 2. Kawaguchi Y, Kawanishi H, Mujais S, Topley N, Oreopoulos D. Encapsulating peritoneal sclerosis: definition, etiology, diagnosis, and treatment. Perit Dial Int **20(Suppl 4):**S43-55, 2000





picture 1 69x38mm (300 x 300 DPI)



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