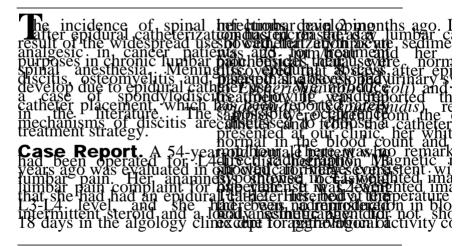
## Spondylodiscitis developi catheter use by direct co

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## ABSTRACT

Spondylodiscitis is a rare but serious complication of epidural cath is responsible for development of this complication, it may develop spreading. We report a 24-year-old woman who developed spondy whom analyesic and steroid treatment was given for chronic il mechanisms may be responsible. The diagnostic methods, mechanis Saudi Med J 2005; Vol. 26



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## Spondylodiscitis after epidural catheter use ... Erol e

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Figure weightd magnetic resonance image sagittal view showing hypointensity at the corpus vertebra of T11 and T12 due to infection. Also, there is disc degeneration and bulging at the same level.

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The nature of lumbar pain may change in spondylodiscitis, and the physician may not notice this change due to chronic patients having psychic effects. A marked increase in ESR, as was seen in our patient, may help the diagnosis of spinal infections that develop after epidural catheter. Therefore, periodical ESR studies should be carried out in the follow-up of patients in whom epidural catheter is inserted.

In conclusion, the route effective in physiopathology may not always be determined in cases of spondylodiscitis which develops due to epidural catheter use and where no microorganisms reproduce. This factor makes it difficult to decide on a treatment strategy.

## References

 Ready LB, Helfer D. Bacterial meningitis in parturients after epidural anesthesia. *Anesthesiology* 1989; 71: 988-990.

- Yue WM, Tan SB. Distant skip level discitis and vertebral osteomyelitis after caudal epidural injection: a case report of a rare complication of epidural injections. *Spine* 2003; 28: E209-E211.
- Palazon JH, Martinez-Lage JF, Tortosa JA. Lumbar spondylodiscitis caused by propionibacterium acnes after epidural obstetric analgesia. *Anesth Analg* 2003; 96: 1486-1488.
- Coapes MC, Roysam GS. Vertebral osteomyelitis secondary to epidural catheter use. *Spine* 2002; 26: 1492-1494.
- Smitt PS, Tsafka A, van den Bent M, de Bruin H, Hendriks W, Vecht C, et al. Spinal epidural abscess complicating chronic epidural analgesia in 11 cancer patients: clinical findings and magnetic resonance imaging. *J Neurol* 1999; 246: 815-820.
- Steffen P, Seeling W, Essig A, Stiepan E, Rockemann MG. Bacterial contamination of epidural catheters: Microbiological examination of 502 epidural catheters used for postoperative analgesia. J Clin Anesth 2004; 16: 92-97.
- 7. Tali ET. Spinal infections. Eur J Radiol 2004; 50: 120-133.
- Kostopanagiotou G, Kyroudi S, Panidis D, Relia P, Danalatos A, Smyrniotis V, et al. Epidural catheter colonization is not associated with infection. *Surg Infect* 2002; 3: 359-365.