

# ASSOCIATION BETWEEN SPONDYLODISCITIS AND INFECTIVE ENDOCARDITIS IN A PACIENT WITH A AORTIC VALVE DEFECT

Karen Santos Braghiroli, Ana Carolina Braz Lima, Charles Amaral de Oliveira, Fabrício Dias Assis, André Marques Mansano, César Bertonha - *Singular Pain Clinic, Campinas-Brazil*

**Objective: Highlight the importance of diagnosing infective spondylodiscitis in patients presenting low-back pain and loss weight**

## Case Report

- 35-year-old man suffering from acute low-back pain and radiculopathy in left limb
- He was submitted a epiduroplasty (Racz cateter) as initial approach
- This decision was based on his clinical symptoms and his magnetic resonance image (MRI), that was performed one month before this procedure
- After five days radiculopathy improved, but low-back pain worsened
- The patient reported a 4 kg weight loss during the month before, but there was no signal of fever
- We underwent a new MRI, which revealed L5-S1 spondylodiscitis signs, and new laboratory tests which exhibited CRP (C-reactive protein) and ESR (erythrocyte sedimentation rate) elevation

## DISCLOSURE

Patient was then taken to hospital where infective endocarditis by Streptococcus Viridans was diagnosed. He was submitted to an intravenous antibiotics treatment and he achieved improvement of low-back pain in one week.



## Conclusion

**We should consider the association between infective endocarditis and spondylodiscitis in a cardiac valve deffect's patient that develops acute low-back pain, fever and weight loss.**

## BIBLIOGRAPHY

1. R. Santhanam , K. Lakshmi. A Retrospective Analysis of the Management of Postoperative Discitis: A Single Institutional Experience. *Asian Spine J* 2015;9(4)
2. Tanaka et al. Acute pyogenic discitis in a degenerative intervertebral disc in an adult. *International Medical Case Reports Journal* 2010;3 77–80
3. W. Y. Cheung & Keith D. K. Luk. Pyogenic spondylitis. *International Orthopaedics (SICOT)* (2012) 36:397–404