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## Interventional Radiological Procedures in Spine and Spinal Disorders

**Mehmet Fatih Inecikli**

Uludag University, Turkey

In Interventional Radiology units, Minimally invasive procedures are applied with imaging methods for many spine and spinal disorders. The simplest step is biopsies to reveal the pathological diagnosis of lesions developed due to spine and spinal disorders. In order to perform biopsy procedures successfully, it should be done with imaging methods. Lesions developed in the vertebra itself or in the surrounding structures should be very careful as they develop in critical locations. Spine disorders such as vertebral body compression fracture have been successfully treated in interventional radiology units for many years. Percutaneous vertebroplasty, kyphoplasty, vertebral body radiofrequency ablation are Minimally invasive methods for the treatment of malignant or benign vertebral compression fractures. In addition, facet joint and epidural blockages for reducing or eliminating pain in low back pain are also successfully applied with medications and/or thermal ablation methods. Spinal arteriovenous fistulas and arteriovenous malformations and vertebral hemangiomas are also treated by endovascular methods. Minimally invasive methods such as epidural patch and intradiscal interventional procedures are also successfully applied in interventional radiology. In our Unit, more than a hundred patients with spine and spinal disorders are treated each year. The number of these cases continues

to increase every year. Considering the complication development rates, the success rates of the procedure are quite high thanks to experienced physicians. Using monoplane and biplane angiography devices, computed tomography, ultrasonography and even interventional radiological procedures performed with magnetic resonance imaging under appropriate conditions for spine and spinal disorders, increase the reliability, effectiveness and success of the procedures. It reduces the hospital stay and complication rates of the patients. Thus, it has proven to be a cost effective methods.

### Speaker Biography

Mehmet Fatih INEIKLI started to work as a research assistant doctor in Uludag University Faculty of Medicine, Department of Anatomy in August 2004. In December 2005, he continued his education in the Radiology Department of the same University. He has been working as a lecturer since 2014. He is interested in Interventional Radiological procedures. He is still working as a lecturer in the Department of Radiology - Interventional Radiology at Uludag University Faculty of Medicine. He performs vascular, non-vascular and neurovascular interventional procedures. His special interests are spinal interventional procedures such as vertebroplasty, kyphoplasty, facet joint and epidural blockages and vertebral radiofrequency ablation. He has articles and citations published in national and international journals that he contribute in the field of Interventional Radiology and Radiology.

e: drmfinecikli@uludag.edu.tr



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