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Minimally invasive Spine Surgery applied to Traumatic Spine Injury: My experience at University of Maryland Prince George Hospital

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Many techniques are used in Interventional Radiology for treatment of Vertebral Disorders especially in Benign and Malign Vertebral fractures (VFs). Some of these are Vertebroplasty (VP), Kyphoplasty (KP), Sacroplasty and Vertebral Radiofrequency Ablation (VRFA). These procedures are applied for restoration vertebra in Benign and Malign VFs. It is aimed to strengthen the Spine, ablation of the mass lesion in the vertebra and reduce the pain in these procedures.

These operations are applied more easily with Minimal Invasive methods in Interventional Radiology. With new procedures such as Biplane Angiography devices and their system softwares. VP, KP and Sacroplasty procedures are stabilize VFs, reduce pain and morbidity that may develop secondary to fractures. VRFA is an effective treatment method in Vertebral Metastases, decreases or destroys Vertebral Metastatic mass. It was found to be meaningful that there was a statistically correlated pain

reduction with these procedures ($p < 0.001$). These procedures can be combined with treatments, applied in other clinical branches. These procedures can reduce hospital stay. Minimal Invasive methods in Interventional Radiology are simple, effective, reliable and easy to perform. These procedures are diminishing back and lower back pain, developed secondarily to Vertebral Disorders with malign or benign reasons.

Speaker Biography

Mehmet Fatih Inecikli has completed his medical degree at the age of 25 years from the Atatürk University School of Medicine in Turkey. He is the assistant professor of Recep Tayyip Erdogan University, School of Medicine, Department of Radiology, Turkey. He has many publications that have been cited over 80 times. He is active participant and principal investigator in Interventional Radiology, especially focusing on Neurovascular Interventions and Minimal Invasive methods in Vertebral Disorders. He is current member of Cardiovascular and Interventional Radiology Society of Europe (CIRSE) and Turkish Society of Interventional Radiology.

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