

ABSTRACT

ROLE OF PERCUTANEOUS NONVASCULAR INTERVENTIONAL RADIOLOGY TREATMENTS IN MUSCULOSKELETAL LESIONS

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Many new, minimally invasive interventional radiology procedures are now viable alternatives to traditional invasive therapy. These interventional radiological procedures can be performed in the outpatient setting and the overall cost to the patient may be less in the long run. Radiofrequency and Laser ablation techniques are now widely used and rapidly expanding technologies in the interventional radiology used in the treatment of tumours, varicose vein and lumbar disc treatment. Similarly percutaneous vertebroplasty (PVP) is used in the treatment of spinal lesions and osteoporotic vertebral collapse. The knowledge of these procedures is vital as medicine moves into minimally invasive procedures with targeted treatments as these procedures offer less risk, less pain and less recovery time compared to various surgical procedures.

In this presentation I would like to present my work related to percutaneous vertebroplasty (PVP) in spinal lesions, percutaneous Laser disc decompression (PLDD) in the treatment of chronic discogenic low back pain and percutaneous radiofrequency ablation (RFA) in musculoskeletal lesions. The technique, results and long term outcomes of these newer procedures will be discussed.

Key Words: Interventional radiology, MSK, Vertebroplasty, PLDD, RFA, arthrography.