

## **SUMMARY**

Magnetic resonance imaging is an effective modality to determine the cause of wrist pain. It demonstrates soft tissue structures, bone marrow, ligaments, tendons, cartilage, muscles, nerves and blood vessels.

The aim of this work is to demonstrate the MRI findings associated with various causes of wrist pain.

Fifty one cases complaining of painful wrist underwent clinical evaluation and MRI examination.

Patients were classified into four groups regarding the main pathology. Group I avascular bone necrosis, group II joint instability and ligamentous injury, group III nerve entrapment syndromes, group IV miscellaneous lesions.

The results were tabulated and discussed regarding the clinical data, together with the MRI findings.

We concluded that MRI is an effective modality for determining the cause of wrist pain in patients suffering from painful wrist as it demonstrates a broad spectrum of abnormalities including those of bony, cartilaginous, ligamentous and tendineous origin.