

BREAKTHROUGH IN RADIOLOGY DIAGNOSIS

CASE OF : TENO-SYNOVITIS

PATIENT DETAILS

Name: KXXXX BXXXX

Age: 40 Yrs F

Investigation: MRI WRIST

CLINICIAN DETAILS

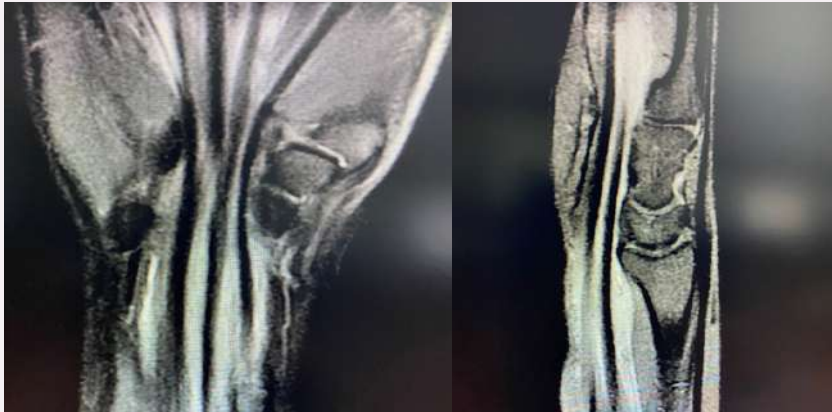
Name: Dr XXXXX XXXXX

RADIOLOGIST DETAILS

Name: DR KIRPAL CHAUHAN

MD , RADIOLOGIST

TECHNICIAN : RUSHIL PATEL



RADIOLOGICAL FINDINGS

1. SMALL CYSTIC CHANGES WITH SURROUNDING MARROW EDEMA ARE NOTED IN PROXIMAL ASPECT OF LUNATE. SURROUNDING ARTICULAR CARTILAGES APPEAR NORMAL. ULNA AND TRIQUETRUM APPEAR NORMAL. TFCC APPEARS NORMAL. NO EVIDENCE OF POSITIVE ULNAR VARIANCE.

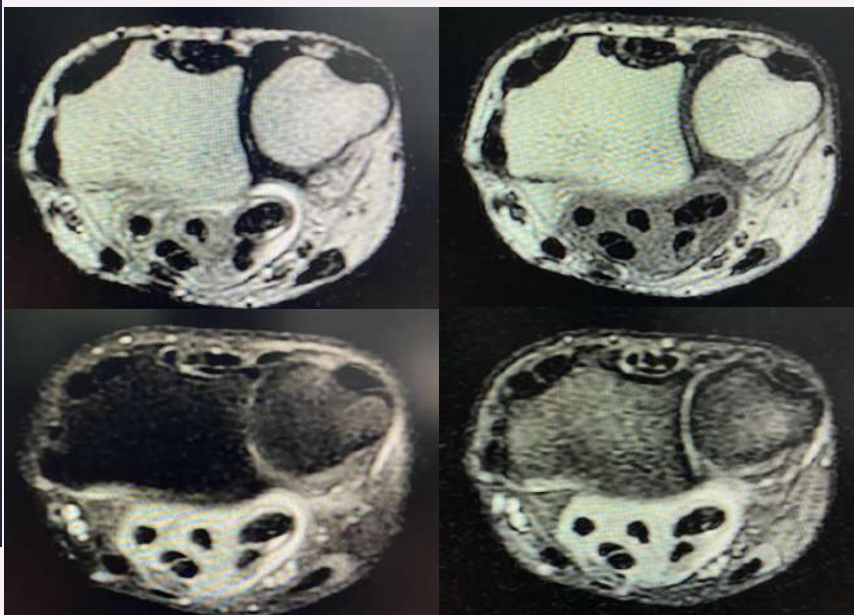
2. DIFFUSE PD FS HYPERINTENSITY IS NOTED INVOLVING TENDONS SHEATHS OF FLEXOR DIGITORUM AND FLEXOR POLLICIS LONGUS WITH MILD PERITENDINOUS FLUID COLLECTION AT THE LEVEL OF LOWER FOREARM AND WRIST POSSIBILITY OF CHANGES OF TENO-SYNOVITIS. MEDIAN NERVE APPEARS NORMAL.

MILD FLUID IS SEEN IN PISIFORM-TRIQUETRAL JOINT.

REST OF THE CORTICAL BONE & MARROW OF METACARPALS & PHALANGEAL BONES APPEAR NORMAL MARROW AND SHOW NORMAL SIGNAL INTENSITY.

THE MUSCLES ARE THENAR & HYPOTHENAR EMINANCE ARE UNREMARKABLE. EXTENSOR TENDONS OF HAND APPEAR NORMAL. THE INTEROSSEI MUSCLES ALSO APPEAR NORMAL.

THE METACARPO & INTERCARPO PHALANGEAL JOINTS APPEAR NORMAL. CARPAL LIGAMENTS AND CARPAL TUNNEL APPEAR INSIGNIFICANT. NO EVIDENT FRACTURE OR LYTIC / SCLEROTIC LESION SEEN. NO EVIDENT MARROW OEDEMA SEEN.



FINDINGS

TENOSYNOVITIS INVOLVING TENDON SHEATH OF FLEXOR POLLICIS LONGUS AND FLEXOR DIGITORUM-? INFECTIVE ? INFLAMMATORY.

SMALL CYSTIC CHANGES WITH SURROUNDING MARROW EDEMA ARE NOTED IN PROXIMAL ASPECT OF LUNATE. POSSIBILITY OF ? ULNAR IMPACTION SYNDROME.

CASE OF TENOSYNOVITIS

CLINICAL PROFILE

C/O PAIN OVER WRIST JOINT , DIFFICULTY IN MOVEMENT

N/H/O TRAUMA

PROCEDURE

MR STUDY OF WRIST JOINT HAVE BEEN PERFORMED ON 1.5 TESLA WITH HIGH STRENGTH GRADIENT, T2W PROTON DENSITY AND FAT SUPPRESSED CORONAL , AXIAL AND SAGITTAL IMAGES HAVE BEEN OBTAINED.

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