MRI ROLE IN DIAGNOSIS ELLAR AND PARASELLAR LESIONS

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TO MY FAMILY

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INTRODUCTION AND AIM OF WORK



INTRODUCTION

*THE SELLA AND PARASELLAR REGIONS ARE SITE FOR IMPORTANT STRUCTURES INCLUDING PITUTARY GLAND OPTIC CHIASM CAVERNOUSE SINUSEES

*MANY CLINICAL SYNDROMS RESULTS FROM LESIONS INVOLVING THISE AREA
*HIGH RESOLUTION HIGH MAGNETIC FIELD MRII,5TESLA IS BECOMING WIDLY ACCEPTED AS
THE MOST SENSITIVE METHODE IN DIAGNOSIS
DIFFERENT SELLAR AND PARA SELLAR LESIONS
*MRI WITH GADOLINIUM ENHANCMENTWAS
RECENTLY INTRODUCED TO DIAGNOSE AND
DIFFERENTIATE EARLY BETWEEN LESIONS MISSED
BY C.T AND DETECTING IT'S ADVANTAGES AND
FOLLOW UP FOR RECURRENCE OR RESIDUALS
AFTER SURGICAL REMOVAL

*MRI APPEARS TO BE SUPERIOR TO C.T SCAN BECAUSE IT DOES NOT AFFECTED BY ARTIFACTS LIKE DENTAL FILLING. AND SAGGITAL IMAGES ARE EASILY TAKEN WITH GREAT SOFT TISSUE RESOLUTION WITH ACCURATE DIFFERENTIATION BETWEEN CYSTIC AND VASCULAR LESIONS WITH NO HAZARDS OF RADIATION

AIM OF WORK

EVALUATE MRI ROLE IN EARLY AND ACCURATE DIAGNOSIS OF DIFFERENT SELLAR AND PARASELLAR LESIONS AND SHOWING HOW MRI EXAM. APPEARS TO BE SUPERIORTO C.T SCAN IN SELLAR AND PARASELLAR LESIONS



PHYSICAL PRINCIPLES

