

MD RADIODIAGNOSIS QUESTIONS (UPDATED TILL APRIL 2018)

ANATOMY QUESTIONS

- ANATOMY OF CIRCLE OF WILLIS & CAROTID-VERTEBROBASILAR ANASTOMOSIS.
- COURSE & BRANCHES OF VEERTEBROBASILAR ARTERY (AND VASCULAR TERRITORIES).
- POSTERIOR CIRCULATION
- ANATOMY OF CEREBRAL CISTERNS.
- INTRACRANIAL CSF PATHWAY, CSF FLOW AND CSF SPREAD OF PRIMARY CNS TUMOURS.
- ANATOMY OF NECK SPACES.
- ANATOMY OF SUPRAHYOID NECK SPACES WITH CLINICAL RELEVANCES.
- ANATOMY OF RETROPHARYNGEAL SPACE
- ANATOMY OF PREVERTEBRAL SPACE
- ANATOMY OF CAROTID SPACE
- RADIOLOGIC ANATOMY OF ORBIT & ORBITAL SPACES.
- ANATOMY (CT) OF TEMPORAL BONE (PETROUS PART).
- ANATOMY OF CVJ.
- EMBRYOLOGY OF INTESTINAL MALROTATION.
- CORONARY ARTERY ANATOMY & NORMAL VARIANTS.
- BRONCHOPULMONARY SEGMENTS ANATOMY & THEIR CLINICAL SIGNIFICANCES.
- SECONADRY PULMONARY LOBULES.
- CROSS SECTIONAL ANATOMY OF LUNG ABOVE & BELOW AORTIC ARCH.
- LUNG HILUM ANATOMY.
- RADIOGRAPHIC ANATOMY OF MEDIASTINUM
- RADIOGRAPHIC ANATOMY OF PLEURAL, MEDIASTINAL & PERICARDIAL RECESSES.
- ANATOMY OF THORACIC OUTLET.
- ANATOMY OF PERITONEAL SPACES & PATHWAY OF SPREAD OF INFECTION.
- ANATOMY OF RETROPERITONEAL SPACES.
- ANATOMY OF PORTAL VENOUS SYSTEM AND ANOMALOUS COMMUNICATION BETWEEN INTRA AND EXTRA HEPATIC PORTIONS.
- SEGMENTAL ANATOMY OF LIVER
- DRAW A TABLE OF UPPER GI ARTERIAL ANATOMY AND MENTION ANATOMIC VARIATIONS
- ANATOMY OF PANCREAS & PERIPANCREATIC SPACES.
- DEVELOPMENT OF UROGENITAL TRACT
- RADIOGRAPHIC ANATOMY OF URETHRA
- DEVELOPMENT OF KIDNEY AND CONGENITAL ANAMOLIES
- IMAGING ANATOMY OF BREAST.
- CROSS-SECTIONAL ANATOMY OF KNEE JOINT.
- RADIOLOGIC ANATOMY OF HIP JOINT.
- ANATOMY OF FEMORAL TRIANGLE AND ITS RELEVANCE TO ANGIOGRAPHIC TECHNIQUE
- ANATOMY OF POPLITEAL FOSSA.
- ANATOMY OF CARPAL TUNNEL
- MULLERIAN ANOMALIES
- AORTIC ARCH ANOMALIES
- EMBRYOLOGY OF GUT ROTATION

NEURORADIOLOGY INCLUDING HEAD & NECK

A. BRAIN

- PILOCYTIC ASTROCYTOMA.
- CEREBRAL LYMPHOMA.
- SINTRICULAR BRAIN TUMOURS.
- POSTERIOR FOSSA TUMOURS IN CHILDHOOD.
- ACOUSTIC NEUROMA IMAGING.
- HEMANGIOBLASTOMA.
- MENINGIOMA.
- EPENDYMOMA
- PNET.
- SUPRASELLAR MASS LESIONS.
- CYSTIC LESIONS OF POSTERIOR FOSSA.
- CVT.
- CT VENOGRAPHY OF BRAIN
- AVM OF BRAIN.
- ROLE OF IMAGING IN SAH.
- MULTIPLE SCLEROSIS.
- BRAIN ABSCESS IMAGING.
- PARASITIC INFESTATIONS OF BRAIN.
- FUNGAL BRAIN ABSCESS.
- HERPES ENCEPHALITIS.
- JAPANESE ENCEPHALITIS.
- VIRAL CNS INFECTIONS.
- TB MENINGITIS/CNS TB.
- NEUROCYSTICERCOSIS.
- MRS IN CNS INFECTIONS.
- HYDROCEPHALUS.
- RADIOLOGICAL APPROACH TO WHITE MATTER DISEASE
- LEUKODYSTROPHY.
- CONGENITAL SUPRATENTORIAL BRAIN ANOMALIES.
- DANDY WALKER SYNDROME.
- ADRENOLEUKODYTROPY.
- IMAGING OF ACUTE STROKE (CT VS MR).
- DIFFUSION & PERFUSION IMAGING IN STROKE.
- ACUTE CEREBRAL INFARCT.
- MOYAMOYA DISEASE.
- INTRACRANIAL MASS LESIONS IN AIDS.
- CNS INFECTIONS IN HIV
- HYPOXIC BRAIN INJURY.
- ROLE OF RADIOLOGY IN DIAGNOSIS & MANAGEMENT OF POSTERIOR CIRCULATION STROKE.
- ROLE OF MRI IN INTRACTABLE EPILEPSY.
- MESIAL TEMPORAL SCLEROSIS.

- THERAPEUTIC MANAGEMENT OF ACUTE ISCHAEMIC STROKE.
- IMAGING & INTERVENTIONS IN CAROTIDCAVERNOUS FISTULA.
- PERIVENTRICULAR LEUKOMALACIA.
- DIFFUSE AXONAL INJURY.
- CAROTID ARTERY EVALUATION IN TIA.
- NEUROSONOGRAPHY.
- TRANSCRANIAL DOPPLER APPLICATIONS.
- DOPPLER IMAGING OF CAROTID VESSELS.
- IMAGING OF CSF LEAK.
- IMAGING OF THE VULNERABLE PLAQUE AND BLACK BLOOD IMAGING
- CENTRAL PONTINE MYELINOLYSIS
- IMAGING AND PROGOSTINATION OG HIGH GRADE GLIOMA

B. SPINE

- CT & MRI IN PIVD
- SPINAL TUBERCULOSIS.
- EXTRADURAL TUMOURS OF SPINE.
- DISC SPACE/ IV DISC CALCIFICATION –D/D & IMAGING APPROACH.
- SPINAL AVMS.
- DENS INJURY.
- IMAGING OF LOW BACK PAIN
- SPINAL INFECTIONS

C. HEAD & NECK

I. NECK SPACES

- IMAGING OF SUPRAHYOID NECK.
- IMAGING OF INFRAHYOID NECK SPACES.
- ANATOMY & DISEASES OF RETROPHARYNGEAL SPACE.
- CYSTIC CONGENITGAL LESIONS OF NECK
- ANATOMY & DISEASES OF PREVERTEBRAL SPACE.
- TINITUS- IMAGING AND INTERVENTION

II. ORBITS

- PSEUDOTUMOUR OF ORBIT.
- UNILATERAL PROPTOSIS.
- UNILATERAL EXOPHTHALMOS.
- RADIOLOGIC ANATOMY OF ORBIT & IMAGING OF LESIONS CAUSING UNILATERAL PROPTOSIS.
- ORBITAL SPACES & IMAGING OF INTRACONAL LESIONS.
- OCULAR MASSES IN ADULTS.
- USG IN INTRACONAL LESIONS.
- MALIGNANT TUMOURS OF ORBIT.
- LEUKORRHEA OF EYE.
- CHOROIDEAL MELANOMA.
- EXTRAORBITAL LESIONS CAUSING UNILATERAL PROPTOSIS.

III. THYROID

- SOLID THYROID NODULES
- SOLITARY THYROID NODULE
- IMAGING & INTERVENTIONS IN THYROID NODULES.
- D/D-THYROID NODULES

IV. TEMPORAL BONE

- PATHOLOGY & IMAGING OF CHOLESTEATOMA.
- COCHLEAR IMAGING.

V. SKULL BASE.

- PETROUS APEX LESIONS.
- C-P ANGLE LESIONS.
- GLOMUS TUMOUR.
- CHEMODECTOMA

VI. PARANASAL SINUSES

- JNA
- IMAGING EVALUATION/CT EVALUATION OF CSF RHINORRHEA.
- ESTHESIONEUROBLASTOMA

VII. MANDIBLE

- LESIONS OF MANDIBLE.
- SCLEROSING LESIONS OF JAW.
- EXPANSILE LESIONS OF MANDIBLE.
- CYSTIC LESIONS OF THE JAW.

VIII. MISCELLANEOUS

- PARATHYROID IMAGING.
- CAROTID BODY TUMOUR.
- TUMOURS OF LARYNX.
- PAROTID GLAND TUMOURS/SALIVARY GLAND TUMOURS.

CHEST RADIOLOGY

- ANATOMY & IMAGING OF THORACIC OUTLET.
- PULMONARY THROMBOEMBOLISM-IMAGING & TREATMENT STRATEGIES
- LUNG CHANGES IN AIDS
- CHEST INFECTION IN IMMUNOCOMPROMISED.
- OPPORTUNISTIC INFECTION IN LUNGS.
- RADIOLOGICAL MANIFESTATIONS OF AIDS IN RESPIRATORY TRACT.
- BRONCHOPULMONARY ASPERGILLOSIS
- PRIMARY TUBERCULOSIS
- ARDS (PATHOPHYSIOLOGY)
- SOLITARY PULMONARY NODULE.
- CURRENT TRENDS IN IMAGING DIAGNOSIS & TECHNIQUES FOR OBTAINING HISTOLOGIC SAMPLES IN SPN.
- TREE IN BUD PATTERN IN HRCT
- DIFFUSE ALVEOLAR DISEASE IN LUNGS
- CT IN SMALL AIRWAY DISEASE OF LUNGS
- LOBAR PNEUMONIA-PATHOLOGY & RADIOLOGICAL CORRELATION.
- BRONCHIO ALVEOLAR CARCINOMA
- CT IN BRONCHOGENIC CARCINOMA
- RADIOLOGIC EVALUATION OF BRONCHOGENIC CARCINOMA.
- STAGING OF LUNG MALIGNANCY & ROLE OF RADIOLOGY.
- BRONCHIAL CARCINOIDS
- LAM
- ILD
- PULMONARY HYPERTENSION
- PULMONARY MANIFESTION OF VASCULITIS
- PULMONARY SARCOID
- SVC OBSTRUCTION AND ITS MANAGEMENT
- SUPERIOR MEDIASTINAL SYNDROME.
- INTERVENTION IN HEMOPTYSIS
- MEDIASTINAL CYST
- GERM CELL TUMORS OF MEDIASTINUM
- MEDIASTINAL LYMPHADENOPATHY
- D/D OF POSTERIOR MEDIASTINAL MASSES.
- CXR FINDING AND PATHOPHYSIOLOGY OF PULMONARY HYPERTENSION.
- PATHOPHYSIOLOGY OF PULMONARY VENOUS HYPERTENSION WITH RADIOLOGICAL CORRELATION.
- PATHOPHYSIOLOGY & IMAGING OF PULMONARY EDEMA
- CARDIOPHRENIC ANGLE MASSES.
- PLEURAL MASSES.
- MR IN CHEST IMAGING
- DD AND IMAGING ALGORITHM IN A PATIENT WITH B/L RETICULONODULAR PATTERN IN LUNGS WITH NORMAL HEART SIZE.

- DIFFERENTIAL DIAGNOSIS OF BILATERAL RETICULONODULAR SHADOWS ON CHEST XRAY.
- LUNG INVOLVEMENT IN CONNECTIVE TISSUE DISEASE.
- UNILATERAL HYPERLUCENT LUNG FIELD.
- MOSAIC ATTENUATION- CAUSES AND DIFFERENTIAL DIAGNOSIS
- PATHOPHYSIOLOGY OF PHTN AND CLASSIFICATION (DANAPOINT)
- THYMIC MASS
- PLEURAL MESOTHELIOMA
- IMAGING AND INTERVENTION IN CHEST TRAUMA

CARDIAC AND VASCULAR RADIOLOGY

- ABERRANT SUBCLAVIAN ARTERY
- TETROLOGY OF FALLOT
- CALCIUM SCORING IN CORONARY ARTERY DISEASE
- TECHNICAL ISSUES IN MDCT CORONARY CTA
- PLAIN FILM FINDING IN MITRAL VALVE DISEASES
- CXR IN CONGENITAL CYANOTIC HEART DISEASE
- BULGE IN LEFT MID CARDIAC BORDER IN CHEST RADIOGRAPH.
- COARCTATION OF AORTA
- AORTIC ANEURYSM
- AORTIC DISSECTIONS
- AORTOENTERIC FISTULA
- NON INVASIVE IMAGING IN AORTIC DISEASE
- THORACIC AORTA – ANATOMY AND IMAGING
- DISEASES AFFECTING AORTIC ROOT
- ASD
- VSD
- TAPVC/TAPVR.
- TGA
- EXTRA CARDIAC LEFT TO RIGHT SHUNT
- EBSTEINS ANAMOLY
- IMAGING OF ISCHEMIC HEART DISEASE
- MRI IN MYOCARDIAL DISEASE
- IMAGING IN RESTRICTIVE CARDIOMYOPATHY/IMAGING STRATEGIES AND APPEARANCE IN RESTRICTIVE CARDIOMYOPATHIES.
- PRINCIPLES OF RADIOLOGICAL EVALUATION OF CONGENITAL HEART DISEASES.
- IMPORTANCE OF PLAIN X-RAY CHEST FOR DIAGNOSIS OF CONGENITAL HEART DISEASES.
- IMAGING APPROACH TO CONGENITAL CYANOTIC HEART DISEASES.
- PRIMARY CARDIAC TUMOURS.
- BENIGN CARDIAC MASSES.
- ENDOMYOCARDIAL FIBROSIS.
- CARDIOMYOPATHY CLASSIFICATION AND MR IMAGING.
- MYOCARDIAL PERFUSION.
- RIB NOTCHING-UNILATERAL & BILATERAL.
- IMAGING DIAGNOSIS OF RESTRICTIVE HEART DISEASES.
- VASCULITIS AFFECTING MEDIUM SIZED VESSELS.
- VASCULITIS AFFECTING MEDIUM & LARGE ARTERIES.
- TAKAYASU ARTERITIS.
- AORTO-ARTERITIS.
- LEAKING /RUPTURED AAA- IMAGING AND MANAGEMENT

GASTROINTESTINAL RADIOLOGY (BOWEL, MESENTERY, PERITONEUM)

- UPPER G.I BLEED & ITS MANAGEMENT
- LOWER G.I BLEED & ITS MANAGEMENT
- ESOPHAGITIS –D/D
- PATHOPHYSIOLOGY OF SMALL OBSTRUCTION AND ITS EVALUATION.
- DISCUSS DIFFERENT IMAGING MODALITIES IN SAIO.
- IMAGING APPROACH TO PNEUMOPERITONEUM & CAUSES OF INTRAPERITONEAL LOCALISED GAS COLLECTIONS.
- BOWEL ISCHAEMIA (ACUTE & CHRONIC) WITH MANAGEMENT.
- ISCHAEMIC COLITIS
- ILEO CAECAL TUBERCULOSIS – IMAGING
- IMAGING OF GI TUBERCULOSIS
- CT IN ABDOMINAL TB
- ACUTE APPENDICITIS.
- D/D OF RIGHT ILIAC FOSSA MASS
- LEIOMYOMA
- GIST
- GASTRO INTESTINAL LYMPHOMA
- GIST IN SMALL BOWEL
- SMALL BOWEL LYMPHOMA.
- PRIMARY G.I LYMPHOMA.
- STOMACH LYMPHOMA
- DUODENAL LYMPHOMA AND OTHER MALIGNANCY
- COLONIC CARCINOMA
- SMALL BOWEL CARCINOIDS
- GASTROINTESTINAL CARCINOIDS.
- NEURO ENDOCRINE TUMOR WITH METASTASIS
- ADENO CARCINOMA OF GE JUNCTION
- ADENO CARCINOMA OF JEJUNUM
- ESOPHAGEAL CARCINOMA
- PERITONEAL CARCINOMATOSIS
- PSEUDOMYXOMA PERITONEI
- INFLAMMATORY BOWEL DISEASE – IMAGING AND PATHOPHYSIOLOGY
- CROHNS DISEASE
- ULCERATIVE COLITIS
- MDCT OF THE VASCULAR COMPRESSION SYNDROMES IN ABDOMEN & PELVIS
- SMA SYNDROME
- D/D OF DIFFUSE MUCOSAL THICKENING OF SMALL BOWE LOOPS.
- SMALL BOWEL WEB
- POLYPOSIS SYNDROMES

- ENTEROLITH
- TAPEWORM / TAENIA SOLIUM
- ASCARIASIS
- GOSSYPIBOMA
- GASTRIC BAEZOR
- COLONIC INTERPOSITION AFTER GASTRECTOMY
- SIGMOID VOLVULUS
- GASTRO DUODENAL ARTERY PSEUDO ANEURYSM
- CAPSULE ENDOSCOPY
- VIRTUAL COLONOSCOPY
- ENTEROCLYSIS
- MR ENTEROGRAPHY
- CT VS MR ENTEROGRAPHY
- FAST IN TRAUMA.
- DIFFUSE MUCOSAL THICKENING OF SMALL BOWEL LOOPS
- OMENTAL INFARCTION
- SOLITARY VS MULTIPLE STRICTURES IN COLON- IMAGING AND TREATMENT
- BLUNT ABDOMINAL TRAUMA
- ROUTE OF SREAD OF MALIGNANCY TO THE PERITONIUM
- MULTIFOCAL HYPOECHOIC SPLENIC MASSES

HEPATOBIULARY RADIOLOGY (INCLUDING INTERVENTIONS)

- LIVER CIRRHOIS IMAGING
- TRIPLE PHASE OF LIVER – TECHNIQUES AND APPLICATION
- ROLE OF IMAGING IN LIVER TRANSPLANTATION
- ROLE OF IMAGING IN LIVER TRAUMA
- BUDD CHIARI SYNDROME
- EXTRA HEPATIC PORTAL VEIN OBSTRUCTION
- PATHOPHYSIOLOGY OF PORTAL HYPERTENSION.
- BENIGN HEPATIC TUMOURS.
- SOLITARY LIVER LESIONS IMAGING & INTERVENTIONS.
- FATTY LIVER
- FOCAL FATTY SPARING
- HYDATID CYST OF SPLEEN AND LIVER
- HEMANGIOENDOTHELIOMA
- HEPATIC ARTERIAL PSEUDO ANEURYSM
- HCC INTERVENTIONS
- PERCUTANEOUS INTERVENTIONS IN HCC.
- DRUGS & ENERGY ABLATION OF LIVER TUMOURS.
- BALLOON-OCCLUDED RETROGRADE TRANSVENOUS OBLITERATION OF VARICES (BRTO)
- INTERVENTIONS IN PORTAL HYPERTENSION
- TIPSS
- RFA OF HEPATIC TUMORS.
- IRE FOR HCC.
- DIAGNOSTIC AND THERAPEUTIC ROLE OF ERCP
- MRCP
- PORTAL BILIOPATHY
- ACALCULOUS CHOLECYSTITIS

- HEMOBILIA
- PRIMARY SCLEROSING CHOLANGITIS
- MIRIZZI SYNDROME
- CYSTIC DISEASE OF BILIARY TREE
- RADIOLOGICAL INTERVENTIONS IN MALIGNANT BILIARY OBSTRUCTIONS
- WIDENING OF C LOOP OF DUODENUM
- IMAGING OF PROSPECTIVE LIVER DONOR

PANCREAS

- INTERVENTIONS IN PANCREATITIS
- ACUTE PANCREATITIS
- EMPHYSEMATOUS PANCREATITIS
- GROOVE PANCREATITIS
- PANCREAS ENDOCRINE TUMOURS
- CYSTIC TUMOURS OF PANCREAS.
- NEUROENDOCRINE TUMOURS OF PANCREAS.
- ATLANTA CLASSIFICATION
- PANCREATIC PSEUDOCYST
- COLONIC COMPLICATIONS OF PANCREATITIS.
- VASCULAR COMPLICATIONS OF PANCREATITIS.

URORADIOLOGY INCLUDING ADRENAL & RETROPERITONEUM

- RENAL ANGIOMYOLIPOMA.
- RENAL ONCOCYTOMA
- CYSTIC RENAL NEOPLASMS
- PERINEPHRIC TUMORS.
- CURRENT MANAGEMENT GUIDELINES FOR SOLITARY SOL IN KIDNEY & ROLE OF RADIOLOGY IN DIAGNOSIS & MANAGEMENT.
- CYSTIC DISEASE OF KIDNEY
- IMAGING IN TRANSPLANT KIDNEY AND COMPLICATIONS.
- USG EVALUATION OF TRANSPLANT KIDNEY.
- RADIOLOGICAL MANAGEMENT IN POST RENAL TRANSPLANT PATIENT
- TB OF URINARY ORGANS
- RENAL VEIN THROMBOSIS
- XANTHOGRANULOMATOUS PYELONEPHRITIS
- EMPHYSEMATOUS PYELONEPHRITIS
- MDCT UROGRAPHY ADVANTAGES AND DISADVANTAGES
- REFLUX NEPHROPATHY
- RENAL TRAUMA.
- IMAGING DIAGNOSIS & IR MANAGEMENT OF KIDNEY INJURIES.
- ISCHAEMIC KIDNEY.
- RENAL INFARCT
- PAGE KIDNEY
- UNILATERAL SMALL KIDNEY

- RENAL ARTERY STENOSIS - IMAGING AND INTERVENTION
- HEMATURIA – EVALUATION AND INTERVENTION
- VASCULAR INTERVENTION IN KIDNEY
- INTERVENTION IN RENOVASCULAR HYPERTENSION
- PHEOCHROMOCYTOMA.
- IMAGING OF BENIGN ADRENAL TUMOURS.
- MALIGNANT ADRENAL LESIONS.
- ADRENAL CORTICAL TUMOURS.
- ADRENAL MASSES/TUMOURS.
- B/L ADRENAL MASSES
- ADVANCED IMAGING FOR DIAGNOSIS OF ADRENAL MASSES.
- ADRENAL IMAGING WHEN & WHY?
- PROSTATIC CARCINOMA.
- FUNCTIONAL IMAGING OF PROSTATE.
- ADVANCED IMAGING IN PROSTATIC CARCINOMA.
- MULTIPARAMETRIC MRI OF PROSTATE CARCINOMA.
- URINARY BLADDER TUMOURS
- ADPKD
- MEDULLARY SPONGE KIDNEY.
- RETRO PERITONEAL FIBROSIS
- INTERVENTION IN UPPER URINARY TRACT
- PERCUTANEOUS INTERVENTION IN URO RADIOLOGY
- NON VASCULAR INTERVENTION IN URINARY TRACT
- CURRENT CONCEPTS IN VUR IMAGINGS
- ANTEGRADE URETERIC STENTING
- NEPHROSTOMY ADVANTAGES & DISADVANTAGES
- TRANSITIONAL CELL CARCINOMA
- PATHOPHYSIOLOGY OF RENAL ARTERIAL HYPERTENSION-CAUSES AND PREVALENCE

OBSTETRICAL RADIOLOGY

- ECTOPIC PREGNANCY
- HYDATIFORM MOLE
- COMPLICATIONS OF EARLY PREGNANCY
- TARGETED IMAGING IN FETAL ANOMALIES
- COLOUR DOPPLER IN COMPLICATED FIRST TRIMESTER PREGNANCY
- DOPPLER SONOGRAPHY IN LATE PREGNANCY COMPLICATIONS
- RADIOLOGICAL DIAGNOSIS OF EARLY PREGNANCY INCLUDING COMPLICATIONS
- IMAGING FEATURES OF HYDROPS FETALIS
- PLACENTAL MATURATION & PLACENTAL PATHOLOGY – ON USG
- DOPPLER EVALUATION OF IUGR
- DOPPLER IN HIGH RISK PREGNANCY
- FETAL MRI- CURRENT INDICATIONS, SEQUENCES & UTILITY.
- SONOGRAPHIC DETECTION OF INTRAUTERINE ANOMALIES.
- ANOMALIES DETECTION IN 1ST TRIMESTER IN USG.
- CURRENT CONCEPT OF OBSTETRIC DOPPLER
- 11-14WEEKS ANTENATAL SCAN

GYANECOLOGICAL RADIOLOGY

- IMAGING OF INTERSEX
- UTERINE ARTERY EMBOLIZATION.
- UTERINE INTERVENTIONS.
- INTERVENTIONS IN MENORRHAGIA.
- CURRENT TRENDS IN TRANSCATHETER TREATMENT OF FEMALE GENITAL TRACT DISEASES INCLUDING FIBROIDS.
- PELVIC CONGESTION SYNDROME
- MRI IN FEMALE GENITAL TRACT EVALUATION
- CT AND MRI IN GYNAECOLOGICAL MALIGNANCIES
- SOLID OVARIAN TUMORS
- CYSTIC LESIONS OF OVARY
- BENIGN SOLID TUMOURS OF OVARY
- MALIGNANT OVARIAN TUMORS
- GCT OF OVARY
- ADNEXAL MASSES
- EPITHELIAL TUMORS OF OVARY
- ENDOMETRIOSIS
- FEMALE INFERTILITY – ROLE OF RADIOLOGY
- ADENOMYOSIS- PATHOGENESIS AND IMAGING
- ABLATIVE THERAPIES IN UTERINE FIBROIDS
- PSEUDOMYXOMA PERITONEI
- PATHOPHYSIOLOGY AND IMAGING OF OVARIAN TORSION

BREAST RADIOLOGY

- PHYLLODES TUMOUR
- DUCTAL CARCINOMA OF BREAST
- D/D OF A 3 CM X 2 CM MASS LESION ON MAMMOGRAM.
- MRI IN BREAST IMAGING
- BIRADS CLASSIFICATION OF BREAST TUMOURS.
- ADVANCES IN BREAST IMAGING
- ADVANCES IN BREAST MR IMAGING.
- MR MAMMOGRAPHY.
- MRI IN BREAST MASSES/LESIONS.
- MRI IN BREAST MASSES INDICATIONS & TECHNIQUES.
- IMAGING ANATOMY OF BREAST AND D/D OF SOFT TISSUE DENSITY LESIONS
- DUCTAL CARCINOMA OF BREAST
- ULTRASOUND IN BREAST LESIONS
- BREAST ELASTOGRAPHY
- MAMMOGRAPHY XRAY TUBE AND FILM SCREEN MAMMOGRAPHY
- IMAGE GUIDED INTERVENTION IN BREAST DISEASES
- ULTRASOUND VS XRAY VS MRI FOR EVALUATION OF BREAST MASSES.
- PROS & CONS OF CT, MRI & USG FOR EVALUATION OF SOLITARY BREAST LESIONS.
- CONVENTIONAL & ADVANCED USG TECHNIQUES FOR BREAST LESIONS.
- CREATING A VALIDATED BREAST SCREENING PROGRAMME IN THE COMMUNITY.
- CE-MAMMOGRAPHY
- POSTOP BREAST

MALE GENITAL SYSTEM RADIOLOGY

- TESTICULAR MASSES
- PATHOLOGY OF MALIGNANT TESTICULAR MASS & IMAGING APPROACH
- SCROTAL MASS IN YOUNG ADULT MALE
- MALE ERECTILE DYSFUNCTION
- ACUTE SCROTUM IMAGING
- IMAGING AND INTERVENTIONS IN MALE INFERTILITY.
- IMAGING & INTERVENTIONS IN VARICOCELE.

PEDIATRIC RADIOLOGY

- DUPLICATION CYSTS.
- LANGERHANS' CELL HISTIOCYTOSIS.
- SEQUESTRATION & RELATED DISORDERS.
- TRACHEOMALACIA.
- HYALINE MEMBRANE DISEASE
- NEONATAL RESPIRATORY DISTRESS SYNDROME
- RECURRENT CHEST INFECTION IN 1 YR OLD CHILD
- BRONCHOPULMONARY DYSPLASIA
- IDIOPATHIC HYPERTROPHIC PYLORIC STENOSIS
- CONGENITAL CYSTIC ADENOMATOID MALFORMATIONS.
- BATTERED BABY SYNDROME.
- POSTERIOR URETHRAL VALVE.
- VESICoureteric RELUX.
- CURRENT CONCEPTS IN VUR.
- INTUSSUSCEPTION.
- TRACHEO-ESOPHAGEAL FISTULA.
- NEUROBLASTOMA.
- CHOLEDOCHAL CYST.
- PEDIATRIC LIVER TUMOURS/HEPATIC TUMOURS IN EARLY CHILHOOD.
- UNILATERAL HIP PAIN IN A CHILD.
- RADIOLOGICAL APPROACH TO DUODENAL OBSTRUCTION IN NEONATES.
- ROLE OF IMAGING IN INVESTIGATING A NEONATE WITH RESPIRATORY DISTRESS.
- RENAL MASSES IN NEONATE.
- PEDIATRIC RENAL TUMOURS.
- CAROLI'S DISEASE
- HIRSHSPRUNG DISEASE
- BILIARY ATRESIA
- PCKD
- PELVIC MASSES IN CHILDREN
- MULTICYSTIC DYSPLASTIC KIDNEY
- WILMS TUMOUR.
- HORSE SHOE KIDNEY
- SOLID ABDOMINAL MASS IN NEOANATE
- SOFT TISSUE MASSES IN CHILDREN
- APPENDICITIS MIMICS IN CHILDREN

MUSCULOSKELETAL RADIOLOGY

- MRI KNEE
 - IMAGING IN SHOULDER INJURIES
 - USG IN SHOULDER IMAGING.
 - MRI IN SHOULDER IMAGING
 - MRI IN INJURIES OF KNEE JOINT
 - MENISCAL TEARS.
 - DISCUSS IMAGING FINDINGS IN MENISCEAL INJURY OF KNEE AND DISCUSS THE NEWER
-
- CARTILAGE SPECIFIC MR SEQUENCES.
 - IMAGING IN KNEE INJURIES
 - NON TRAUMATIC DISEASE OF HIP JOINT
 - RADIOGRAPHIC VIEWS OF DDH
 - IMAGING IN CONGENITAL HIP DISLOCATION
 - PERTHES DISEASE
 - OSTEOGENESIS IMPERFECTA
 - PARATHYROID IMAGING
 - HYPERPARATHYROIDISM
 - PATHOPHYSIOLOGY OF HYPER PARATHYROIDISM
 - ANATOMY OF POPLITEAL FOSSA AND DISEASE ENCOUNTERED IN THIS REGION
 - RICKETS
 - PERIOSTEAL REACTION
 - PAGETS DISEASE
 - EPIPHYSEAL INJURIES
 - AVASCULAR NECROSIS OF HIP JOINT
 - AVN OF BONE.
 - SKELETAL CHANGES IN LEUKEMIA.
 - ROLE OF PLAIN RADIOGRAPHY IN EVALUATING PATIENTS WITH A DIAPHYSEAL LESION OF LONG BONE.
 - D/D OF EXPANSILE LYTIC VERTEBRAL LESIONS.
 - D/D OF ANTERIOR SCALLOPING OF VERTEBRAE.
 - D/D OF POSTERIOR SCALLOPING OF VERTEBRAE.
 - D/D OF EXPANSILE DIAPHYSEAL LESION OF LONG BONE.
 - D/D OF EXPANSILE LYTIC LESIONS OF METAPHYSIS OF LONG BONE.
 - EPIPHYSEAL LESIONS.
 - D/D OF SOLITARY DESTRUCTIVE LESION OF FLAT BONE.
 - D/D OF SOLITARY VERTEBRAL COLLAPSE
 - D/D OF SOLITARY DENSE VERTEBRAE/ ISOLATED DENSE VERTEBRAE
 - D/D OF MULTIPLE COLLAPSED VERTEBRAE.
 - GOUT
 - RENAL OSTEODYSTROPHY
 - CAUSES & DIFFERENTIAL DIAGNOSIS OF RESORPTION OF TERMINAL PHALANGES.
 - SOFT TISSUE CALCIFICATIONS
 - ANKYLOSING SPONDYLITIS

- CARPAL TUNNEL SYNDROME
- IMAGING IN DIABETIC FOOT
- ROTATOR CUFF INJURIES
- RADIOLOGICAL EVALUATION OF PATIENT WITH ACROMEGALY
- CHONDROMALACIA PATELLA
- PIGMENTED VILLO NODULAR SYNOVITIS
- CHORDOMA
- NON-OSSIFYING FIBROMA
- OSTEOSARCOMA/OSTEOGENIC SARCOMA
- EWINGS SARCOMA
- CHONDROSARCOMA
- CHONDROBLASTOMA
- ADAMANTINOMA
- OSTEOID OSTEOOMA-ROLE OF RADIOLOGY IN DIAGNOSIS & TREATMENT
- PNET
- MALIGNANT FIBROUS HISTIOCYTOMA
- POLYOSTOTIC FIBROUS DYSPLASIA
- CHONDROID TUMORS OF BONE
- ANEURYSMAL BONE CYST
- MULTIPLE MYELOMA
- CORTICAL LESIONS OF TIBIA.
- METAPHYSEAL LUCENT BAND
- BONE DENSITOMETRY
- PATHOPHYSIOLOGY OF OSTEOPENIA.
- CHRONIC OSTEOMYELITIS.
- USG IN MSK DISORDERS.
- MUSCULOSKELETAL INTERVENTIONS – BRIEF OUTLINE
- METHODS OF SKELETAL MATURITY ASSESSMENT (BONE AGE)
- SKELETAL MANIFESTATIONS OF HYPERTHYROIDISM.
- CRYSTAL DEPOSITION ARTHROPATHY
- SI JOINT TB-PATHOGENESIS AND IMAGING(ALSO READ KNEE, HIP)
- UNILATERAL SACRO ILITIS
- EROSIIVE ARTHRITIS

MULTISYSTEM RADIOLOGY

- STURGE-WEBER SYNDROME.
- TUBEROUS SCLEROSIS.
- VON HIPPEL LINDAU SYNDROME.
- WEGNER'S GRANULOMATOSIS.
- SARCOIDOSIS-ORGAN MANIFESTATIONS.
- INCIDENTALOMAS.

VASCULAR & INTERVENTIONAL RADIOLOGY

- COMMONLY USED HARDWARES IN VASCULAR INTERVENTION.
- LIQUID EMBOLISING AGENTS.
- EMBOLISATION AGENTS IN RADIOLOGY
- CLINICAL APPLICATIONS OF EMBOLISATION MATERIALS
- ROLE OF RADIOLOGIST IN INTERVENTIONAL PAIN MANAGEMENT IN ONCOLOGY.
- LASERS IN RADIOLOGY.
- CLINICAL APPLICATIONS OF HIFU.
- CELL BASED THERAPIES AND THEIR DELIVERY BY RADIOLOGICAL TECHNIQUES IN VARIOUS DISEASE STATES.
- RFA
- RF ABLATION IN CLINICAL MEDICINE-APPLICATIONS.
- IRE-TECHNIQUES & CLINICAL APPLICATIONS
- PERIPHERAL ANGIOGRAPHY
- IVC FILTERS
- IMAGING OF PERIPHERAL VASCULAR DISEASE – ARTERIAL
- PERIPHERAL VENOUS INTERVENTIONS.
- DOPPLER IN LOWER LIMB VENOUS ISCHEMIA
- DVT OF LOWER LIMBS.
- DVT IMAGING & INTERVENTION
- DIAGNOSIS & INTERVENTION IN VARICOSE VEINS.
- INTERVENTION MANAGEMENT OF VARICOSE VEINS.
- PERCUTANEOUS LASER TREATMENT VS RFA IN VARICOSE VEINS
- ABLATION TECHNIQUES FOR VARICOSE VEINS
- RFA IN VARICOSE VEINS.
- INTERVENTIONS IN PERIPHERAL VASCULAR DISEASE.
- IMAGING, DIAGNOSIS AND THERPAY OF VASCULAR MALFORMATIONS
- VERTEBOPLASTY AND KYPHOPLASTY
- MICROWAVE ABLATION

PHYSICS-GENERAL RADIOGRAPHY/X-RAY

INTERACTION OF XRAY & MATTER

- CHARACTERISTIC RADIATION
- PHOTOELECTRIC EFFECT & ITS APPLICATION IN RADIOLOGY.
- COMPTON EFFECT & ITS APPLICATION IN RADIOLOGY.

X-RAY TUBES

- DRAW A NEAT DIAGRAM OF X RAY TUBE. DESCRIBE THE COMPOSITION & STRUCTURE OF
- THE ANODE
- ADVANCES IN X-RAY TUBE TECHNOLOGY AND FACTORS AFFECTING TUBE LIFE.
- FACTORS AFFECTING LIFE OF X-RAY TUBE
- NEWER DEVELOPMENTS IN XRAY TUBE IN RADIOLOGY.
- CT X-RAY TUBE VS RADIOGRAPHIC X-RAY TUBE
- CONSTRUCTION OF CONVENTIONAL XRAY TUBE
- GRID CONTROLLED X-RAY TUBES
- METALLIC/CERAMIC X-RAY TUBES
- XRAY TUBE FAILURE
- CAUSES OF X-RAY TUBE FAILURE & METHOD TO PROLONG TUBE LIFE.
- ANODE HEEL EFFECT
- HEAT DISSIPATION IN X-RAY TUBE

GRIDS

- GRID –CONSTRUCTION & USES.
- GRID-TYPES & USES

GENERATORS

- HIGH FREQUENCY XRAY GENERATORS
- ADVANCES IN GENERATOR TECHNOLOGY

SCREENS & INTENSIFIERS

- INTENSIFYING SCREENS
- RARE EARTH SCREENS
- IMAGE INTENSIFIERS

QUALITY CONTROL

- QUALITY CONTROL IN RADIOGRAPHY
- QUALITY ASSURANCE PROGRAMME FOR EQUIPMENTS IN RADIOLOGY DEPARTMENT.
- QUALITY CONTROL IN RADIOLOGY

- IMAGE QUALITY-FACTORS AFFECTING IT & METHODS TO IMPROVEMENT
- IMAGE RESOLUTION -TYPES AND FACTORS AFFECTING THEM
- FACTORS AFFECTING RADIOGRAPHIC IMAGE QUALITY
- CONTRAST AND RESOLUTION IN RADIOGRAPHY AND FACTORS AFFECTING THEM
- FILM RADIOGRAPHIC CONTRAST.

CONVENTIONAL/COMPUTERISED/DIGITAL RADIOGRAPHY

- DIGITAL RADIOGRAPHY
- DIRECT RADIOGRAPHY
- DIRECT DIGITAL RADIOGRAPHY.
- COMPUTED RADIOGRAPHY
- CR VS DR
- LASER CAMERAS
- DRY LASER CAMERA
- DIGITAL CAMERA VS LASER CAMERA

FILM PROCESSING

- AUTOMATIC FILM PROCESSOR
- FOCAL SPOT AND RESOLUTION
- TYPES AND CONSTRUCTION OF XRAY FILMS

DETECTORS

- FLAT PANEL DETECTOR.
- ADVANCES IN DETECTOR TECHNOLOGIES FOR IMAGING EQUIPMENTS.

DSA/FLUOROSCOPY/PORTABLE/MAMMOGRAPHY

- PRINCIPLES OF DSA
- 3D ROTATIONAL ANGIOGRAPHY
- ANGIO CT-PRICIPLES & CLINICAL APPLICATIONS
- DIGITAL MAMMOGRAPHY
- DEDICATED MAMMOGRAPHY XRAY UNIT
- MAMMOGRAPHY XRAY TUBE AND FILM SCREEN MAMMOGRAPHY
- MOBILE XRAY UNITS
- DIGITAL TOMOSYNTHESIS
- PULSED FLUOROSCOPY

RADIATION GUIDELINES, MONITORING & PROTECTION

- ICRP & AERB RECOMMENDATIONS FOR RADIATION RISKS FOR PATIENTS, OCCUPATIONAL WORKERS & PREGNANT PATIENTS.
- RECENT AERB GUIDELINES FOR SETTING UP OF X-RAY & FLUOROSCOPY MACHINES
- SCATTER RADIATION METHODS TO REDUCE IT AND ADVERSE EFFECTS ON IMAGING
- EQUIVALENT RADIATION DOSE AND EFFECTIVE RADIATION DOSE
- ALARA PRINCIPLES AND FACTORS TO BE CONSIDERED FOR EXPOSURE CALCULATIONS

- RADIATION PROTECTION DURING FLUOROSCOPY
- RADIATION PROTECTION IN IMAGING OF PEDIATRIC PATIENT
- MEASURES TO REDUCE RADIATION DOSE TO PATIENTS IN CONVENTIONAL RADIOGRAPHY
- RADIATION RISKS AND MEASURES TO REDUCE THE RADIATION IN INTERVENTIONAL SUITE
- CURRENT TRENDS IN RADIATION PROTECTION STRATEGIES IN A RADIOLOGY DEPARTMENT.
- FACTORS AFFECTING THE RADIATION EXPOSURE IN RADIOGRAPHY
- THERMOLUMINESCENT DOSIMETER.
- RADIATION DOSE MONITORING DEVICES FOR MEDICAL PERSONNEL.
- RADIATION PROTECTION DEVICES.
- BIOLOGICAL EFFECTS OF RADIATION

CONTRAST MATERIAL

- RADIOGRAPHIC CONTRAST
- IODINATED CONTRAST MEDIA REACTIONS AND ITS MANAGEMENT
- MANAGEMENT OF CONTRAST REACTION.
- HEMODYNAMIC EFFECTS AND ORGAN TOXICITY OF IV CONTRAST.
- ALLERGIC REACTIONS WITH IODINATED CONTRAST MEDIA & STRATEGIES TO COMBAT THEM
- CONTRAST NEPHROPATHY & STEPS TO REDUCE ADVERSE EFFECTS OF CONTRAST ON KIDNEY
- CONTRAST INDUCED NEPHROPATHY.

TOMOSYNTHESIS

- DIGITAL TOMOSYNTHESIS IN RADIOLOGY
- TOMOSYNTHESIS

CT PHYSICS & ADVANCES

- DETECTORS IN CT
- CT ARTEFACTS
- LOW DOSE CT
- NEW DEVELOPMENTS IN CT
- TECHNICAL ISSUES IN MDCT CORONARY CTA
- APPLICATIONS OF MDCT
- NEW METHODS TO REDUCE RADIATION IN CURRENT GENERATION CT MACHINES
- DOSE REDUCTION IN CT
- PRINCIPLES AND APPLICATIONS OF CT FLUOROSCOPY
- DUAL SOURCE CT
- DUAL ENERGY CT-PRINCIPLES
- DUAL ENERGY CT-CLINICAL APPLICATIONS.
- DUAL ENERGY CT-NONCARDIAC APPLICATIONS
- DUAL ENERGY IN PULMONARY EMBOLISM
- CT PERFUSION-TECHNIQUES & APPLICATIONS
- CT PERFUSION IN THE ABDOMEN.
- CT ANGIO VS DSA IN SAH
- PET-CT
- PET IN CLINICAL ONCOLOGY
- VIRTUAL COLONOSCOPY
- CT COLONOGRAPHY VS MR COLONOGRAPHY
- INTEGRATION OF CT AND ANGIOGRAPHIC EQUIPMENTS
- TRIPLE RULE OUT CT
- ITERATIVE CT RECONSTRUCTIVE TECHNIQUE

- CTA VS MRA
- CT AUTOPSY.
- WHOLE BODY CT IN MULTITRAUMA PATIENTS.
- RADIATION RISKS WITH CURRENT GENERATION CT SCANNERS & MEASURES OF DOSE REDUCTION

MRI PHYSICS & ADVANCES

- BASIS OF SIGNAL IN MR IMAGING AND T1 & T2 SEQ
- T1, T2, T2 PARAMETERS IN MRI
- MRI ARTEFACTS
- SUSCEPTIBILITY MRI ARTEFACTS
- MR SPECTROSCOPY CURRENT STATUS AND APPLICATION
- NEPHROGENIC SYSTEMIC SCLEROSIS
- NSF AND METHODS TO OVERCOME IT
- MR UROGRAPHY
- CHEMICAL SHIFT IMAGING
- MR SEQUENCE FOR SEIZURE EVALUATION
- NEWER MR SEQUENCE FOR EVALUATION OF CNS INFECTION
- MR CONTRAST MEDIA
- ORGAN SPECIFIC MR CONTRAST AGENT
- LIVER SPECIFIC MR CONTRAST AGENT
- FAT SUPPRESSION, SEQUENCE ON MRI
- CHEMICAL SHIFT IMAGING OF LIVER
- TECHNIQUES OF PERIPHERAL MRA
- TECHNIQUES OF MRA
- ADVANCES IN MRA
- MRA VS CTA
- MRCP
- DIFFUSION WEIGHTED IMAGING
- DWI – APPLICATIONS IN ABDOMEN
- MRS
- MR SPECTROSCOPY IN BODY APPLICATIONS
- SUSCEPTIBILITY WEIGHTED IMAGING AND ITS APPLICATION IN BRAIN
- 3TESLA MRI APPLICATIONS
- 3TESLA MRI
- ADVANTAGES & LIMITATIONS OF 3T MRI OF BRAIN
- 1.5T VS 3T MRI OF VASCULAR LESIONS OF BRAIN
- BOLD IMAGING
- MR ELASTOGRAPHY
- ADVANCES IN BREAST MR IMAGING
- PARALLEL IMAGING
- MR PET VS CT PET
- PET MRI ADVANCES & UTILITY.
- MR NEUROGRAPHY.
- MR PERFUSION
- BLACK BLOOD IMAGING

- TIME RESOLVED MRA(TRICKS/TWISTS)
- DTI
- ARTIFICIAL INTELLIGENCE
- TEXTURE ANALYSIS
- MRI SEQUENCES FOR FIBROSIS
- SAFETY HAZARDS IN MRI(QUENCHING,ETC)
- GRADIENT ECHO MR SEQUENCES.
- BODY PERFUSION IMAGING-PRINCIPLE & CLINICAL APPLICATIONS.
- ADVANCES IN GRADIENT TECHNOLOGY.
- MR ENTEROGRAPHY.
- CT/MR CISTERNOGRAPHY.
- WHOLE BODY MRI-TECHNIQUES & CLINICAL APPLICATIONS.
- DISCUSS THE NEWER MODES OF K-SPACE FILLING IN MR IMAGING & ITS CLINICAL APPLICATIONS.

USG PHYSICS & ADVANCES

- PIEZOELECTRIC CRYSTALS
- TISSUE HARMONIC IMAGING
- USG CONTRAST AGENTS-PRINCIPLES & CLINICAL APPLICATIONS
- CURRENT TRENDS IN USE OF ULTRASOUND CONTRAST MEDIA IN AN ORGAN IMAGING
- CONTRAST IMAGING IN USG
- CLINICAL APPLICATIONS OF 3D USG
- 3D/4D USG
- INTRAVASCULAR USG
- TRANSRECTAL USG
- ADVANCES IN USG
- TRANSCRANIAL DOPPLER APPLICATIONS
- POWER DOPPLER
- DOPPLER SPECTRAL ANALYSIS AND SPECTRAL BROADENING
- BROAD BAND TRANSDUCER TECHNOLOGY
- US ELASTOGRAPHY
- BREAST ELASTOGRAPHY
- ADVANCES IN USG PROBES
- CAROTID DOPPLER
- LOWER LIMB VENOUS DOPPLER
- FOCUSED ULTRASOUND IN THERAPY
- LOW AND HIGH RESISTANCE WAVEFORMS ON DOPPLER- SIGNIFICANCE (FROM ZWEIBEL)

MISCELLANEOUS

- PHARMACOLOGY IN RADIOLOGY
- PET IN CLINICAL ONCOLOGY
- FUSION IMAGING FOR ENHANCED DIAGNOSTIC & THERAPEUTIC APPLICATIONS.
- RADIONUCLIDE IMAGING OF LIVER
- DMSA RENAL SCANNING
- PC-PNDT ACT
- BIOCHEMICAL WASTE MANAGEMENT AS RELATED TO RADIOLOGY DEPARTMENT
- PACS AND CLOUD BASED STORAGE

- DESIGNING A RIS-PACS INTEGRATION IN 500 BED HOSPITAL WITH A COMPLETE RANGE OF CURRENT GENERATION RADIOLOGICAL EQUIPMENT
- ADVANCES IN RIS- PACS FOR INCORPORATION IN A TOTAL DIGITAL HOSPITAL SETTING
- BIRADS/LIRADS/PIRADS/TIRADS
- INFORMED CONSENT
- RADIATION HAZARDS AND PREVENTION IN PREVENTION
- EMERGENCY DRUGS IN RADIOLOGY(FROM 2017 ACR GUIDELINES)
- MOLECULAR IMAGING