| Q.No. 1. Which of the following is the least likely cause of Limping Child aged 1–4 Ye (a) Developmental dysplasia of hip | ears |
|---|------------|
| (b) Idiopathic chondrolysis of hip | |
| (c) Septic arthritis | В |
| (d) Transient synovitis of hip | |
| Q.No. 2.Which of the following is the least likely cause of Limping Child aged 4-10 You (a) Osteomyelitis | ears |
| (b) Legg-Perthes disease | |
| (c) Diskitis | C |
| (d) Osteochondritisdissecans | |
| Q.No. 3. Which of the following is the least likely to be an Acquired Syndrome with I | ncreased |
| Bone Density | |
| (a) Renal osteodystrophy | |
| (b) Paget disease of bone | |
| (c) Myelofibrosis | D |
| (d) Melorheostosis | |
| Q. No.4 which of the following is least likely to be noted inanBattered child syndrom | ne |
| (a) Multiple asymmetric fractures in similar stages of healing | |
| (b) Exuberant callus formation at fracture sites | |
| (c) Avulsion fracture of ligamentous insertion | A |
| (d) Separation of distal epiphysis | |
| Q. No. 5 Which of the following is not commonly seen in hyperparathyroidism. | |
| (a) Subperiosteal Bone Absorption | |
| (b) Pseudo widening of joint space (subchondral) | |
| (c) "Intracortical tunnelling | D |
| (d) Clear distinction between inner & outer table. | |
| Q. No.6. The radiological features of Hypertrophic osteoarthropathy include all the | |
| followingexcept | |
| (a) Cortical thinning | |
| (b) Symmetric metadiaphyseal periosteal reaction | |
| (c) Solid/linear or layered Periosteal reaction | D |
| (d) Epiphyseal region | |
| Q. No. 7 MRI findings in Bucket-handle Tear of meniscus include all except | |
| (a) "absent bow-tie" sign (SAG image)(b) "fragment-in-notch" sign (COR image) | |
| (c) cleft" sign ← tear through body on SAG view | C |
| (d) double PCL" sign (SAG image) | |
| Q. No.8. Progressive multifocal leukoencephalopathy shows following MRI features | evcent |
| (a) Bilateral white matter lesions | схссрі |
| (b) Involvement of of cortical gray matter | |
| (c) Ventricular dilatation | В |
| (d) Gray matter lesions in thalamus + basal ganglia | В |
| | |
| Q. No. 9 Progressive multifocal leukoencephalopathy shows following MRI features | except |
| (a) Leptomeningeal venous angiomas confined to pia mater | |
| (b) Cortical hemiatrophy beneath meningeal angioma | |
| (c) Most commonly frontal lobe involvement | |
| (d) "tram track" gyriform cortical calcifications O. No. 10. Retineblactoms shows following CT features except | <u> </u> |
| Q. No. 10. Retinoblastoma shows following CT features except | ovtic type |
| (a) Solid smoothly marginated lobulated retrolentally perdense mass of endoph | iyuc type |
| (b) Partial punctate / nodular calcification (c) No Contrast enhancement | |
| (d) Dense vitreus | C |
| (a) Delibe vices | |

| Q. No. 11 Tolosa Hunt syndrome shows following MRI features except |
|---|
| (a) Loss of Signal intensity of orbital fat |
| (b) Enlargement of the cavernous sinus with convex outer margin |
| (c) No extension of Lesion into orbital Apex through superior orbital fissure. (d) Contrast enhancement |
| |
| Q. No. 12.SinonasalGlomusTumorshows following CT features except |
| (a) Soft tissue mass with strong enhancement (b) Soft tissue mass with weak enhancement |
| (c) Extension into orbits |
| (d) Extension into orbits (d) Extension into intracranial compartment and destruction of adjacent bone |
| · |
| Q. No. 13. Askin Tumour shows following CT features except |
| (a) Large mass with only intrathoraciccomponent |
| (b) Large mass with intrathoracic&extrathoraciccomponents (c) ± pleural, pericardial & diaphragmatic extension or involvement |
| (c) ± pleural, pericardial & diaphragmatic extension or involvement (d) ±vertebral &spinal extension or involvement |
| Q. No. 14. All are MRI Differentiation features between benign &Malignant breast Lesions |
| |
| except (a) Smooth Marphalaguin Panign and irragular in Malignant Losions |
| (a) Smooth Morphology in Benign and irregular in Malignant Lesions |
| (b) Continuous rise of Kinetics in benign and Rapid rise in Malignant lesions |
| (c) HomogeneousEnhancement in Benign and heterogeneous enhancement in malignant |
| lesions (d) Low Signal on T1M/ T2M in Bonign and High Signal on T1M/ T2M in Malignant lesion |
| (d) Low Signal on T1W/T2W in Benign and High Signal on T1W/T2W in Malignant lesion Q. No 15. Key Diagnostic imaging features of Constrictive Pericarditisincludes all except |
| (a) Pericardial thickening to 4 mm ± 1 mm in reversible constrictive pericarditis |
| (b) Thinning of pericardium to 2 mm ± 1 mm in end-stage irreversible chronic fibrosing |
| pericarditis |
| (c) No reflux of contrast into coronary sinus |
| |
| · |
| (d) sigmoid-shaped curvature of interventricular septum toward left |
| (d) sigmoid-shaped curvature of interventricular septum toward left Q. No. 16. Left Atrialmyxoma shows following features except (a) Pulmonary venous hypertension (b) Enlargement of I A |
| (d) sigmoid-shaped curvature of interventricular septum toward left Q. No. 16. Left Atrialmyxoma shows following features except (a) Pulmonary venous hypertension (b). Enlargement of LA |
| (d) sigmoid-shaped curvature of interventricular septum toward left Q. No. 16. Left Atrialmyxoma shows following features except (a) Pulmonary venous hypertension (b). Enlargement of LA (c) Enlargement of atrial appendage (d). Ossific lung nodules |
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| (d) sigmoid-shaped curvature of interventricular septum toward left Q. No. 16. Left Atrialmyxoma shows following features except (a) Pulmonary venous hypertension (b). Enlargement of LA (c) Enlargement of atrial appendage (d). Ossific lung nodules Q. No. 17. MRI has emerged as a modality of choice for evaluation of cardiomyopathy due to following except (a) Unique capability of assessment of cardiac anatomy, biventricular function & volumes (b) No tissue characterization (c) Can help in identification of the etiology and predict prognosis. (d) Detects regional wall motion abnormalities Q. No. 18. Main Duct(Intraductal papillary Mucinous neoplasm) IPMNshows all except (a) Hyperechoic filling defect on sonography (b) Hyperdense filling defect within dilated duct (c) T2-hypointense within dilated duct (d) Non dilated entire main pancreatic duct Q. No. 19. Focal Fat-Sparing in Diffuse Fatty Liver shows all the following features except (a) Geographic configuration (b) Well delineated margins |
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| (d) sigmoid-shaped curvature of interventricular septum toward left Q. No. 16. Left Atrialmyxoma shows following features except (a) Pulmonary venous hypertension (b). Enlargement of LA (c) Enlargement of atrial appendage (d). Ossific lung nodules Q. No. 17. MRI has emerged as a modality of choice for evaluation of cardiomyopathy due to following except (a) Unique capability of assessment of cardiac anatomy, biventricular function & volumes (b) No tissue characterization (c) Can help in identification of the etiology and predict prognosis. (d) Detects regional wall motion abnormalities Q. No. 18. Main Duct(Intraductal papillary Mucinous neoplasm) IPMNshows all except (a) Hyperechoic filling defect on sonography (b) Hyperdense filling defect within dilated duct (c) T2-hypointense within dilated duct (d) Non dilated entire main pancreatic duct Q. No. 19. Focal Fat-Sparing in Diffuse Fatty Liver shows all the following features except (a) Geographic configuration (b) Well delineated margins (c) Contrast enhancement similar to normal liver (d) Pseudolesion / NO mass effect Q. No. 20. Contrast enhanced MRI findings in Cirrhosis include all the following except (a) Enhancement of liver fibrosis on T1WI |
| (d) sigmoid-shaped curvature of interventricular septum toward left Q. No. 16. Left Atrialmyxoma shows following features except (a) Pulmonary venous hypertension (b). Enlargement of LA (c) Enlargement of atrial appendage (d). Ossific lung nodules Q. No. 17. MRI has emerged as a modality of choice for evaluation of cardiomyopathy due to following except (a) Unique capability of assessment of cardiac anatomy, biventricular function & volumes (b) No tissue characterization (c) Can help in identification of the etiology and predict prognosis. (d) Detects regional wall motion abnormalities Q. No. 18. Main Duct(Intraductal papillary Mucinous neoplasm) IPMNshows all except (a) Hyperechoic filling defect on sonography (b) Hyperdense filling defect within dilated duct (c) T2-hypointense within dilated duct (d) Non dilated entire main pancreatic duct Q. No. 19. Focal Fat-Sparing in Diffuse Fatty Liver shows all the following features except (a) Geographic configuration (b) Well delineated margins (c) Contrast enhancement similar to normal liver (d) Pseudolesion / NO mass effect Q. No. 20. Contrast enhanced MRI findings in Cirrhosis include all the following except (a) Enhancement of liver fibrosis on T1WI (b) No enhancement of usually ill-defined arterioportal shunts |
| (d) sigmoid-shaped curvature of interventricular septum toward left Q. No. 16. Left Atrialmyxoma shows following features except (a) Pulmonary venous hypertension (b). Enlargement of LA (c) Enlargement of atrial appendage (d). Ossific lung nodules Q. No. 17. MRI has emerged as a modality of choice for evaluation of cardiomyopathy due to following except (a) Unique capability of assessment of cardiac anatomy, biventricular function & volumes (b) No tissue characterization (c) Can help in identification of the etiology and predict prognosis. (d) Detects regional wall motion abnormalities Q. No. 18. Main Duct(Intraductal papillary Mucinous neoplasm) IPMNshows all except (a) Hyperechoic filling defect on sonography (b) Hyperdense filling defect within dilated duct (c) T2-hypointense within dilated duct (d) Non dilated entire main pancreatic duct Q. No. 19. Focal Fat-Sparing in Diffuse Fatty Liver shows all the following features except (a) Geographic configuration (b) Well delineated margins (c) Contrast enhancement similar to normal liver (d) Pseudolesion / NO mass effect Q. No. 20. Contrast enhanced MRI findings in Cirrhosis include all the following except (a) Enhancement of liver fibrosis on T1WI |

(d) Occasional arterial hypervascularity within focal fibrosis

В

| Q. No. 21.Caroli Disease is a rare congenit | al autosomal recessive disorder and includes all the |
|---|--|
| following findings except | |
| (a) Segmental saccular> fusiform beac | ded dilatation of intrahepatic bile ducts extending to |
| periphery of liver up to 5 cm in dia | |
| (b) ± filling defects ← intraductal calcu | ıli |
| (c) Strictures | D |
| (d) Non-communicating hepatic absce | |
| • | Enhancement is the attenuation difference of liver |
| appearing during dynamic bolus-enhance | · · · · · · · · · · · · · · · · · · · |
| (a) Presence of abnormal vessels cour | |
| (b) Patchy area of transient high atten | |
| (c) Fading with return to normal durin | · A |
| (d) Peripheral location, triangular shap | |
| Q. No. 23. Duodenal Atresia shows all exce | |
| (a) "Double bubble" sign = gas-fluid le | _ |
| (b) Total absence of intestinal gas in s | - I D I |
| (c) Colon of normal calibre | (d) Dilated Colon |
| Q. No. 24. CT findings in most cases of Col | onic Diverticulosis are |
| (a) Rounded outpouchings containing | air ± contrast material |
| (b) Circumferential sawtooth-like thicl | kening of colonic contour |
| (c) Both A & B | C |
| (d) None of the above | |
| Q. No. 25 Abdominal Fat Necrosis on CT ca | an be commonly noted in all except |
| (a) Epiploicappendagitis | (b) Omental infarction D |
| (c) Encapsulated fat necrosis | (d) Trauma |
| Q. No. 26 Misty Mesentery Sign (subtle inc | creased attenuation in the mesentery) at CT can be |
| seen in | |
| (a) Normalcy (common finding) | (b) Mesenteric panniculitis |
| (c) Edema: hypoalbuminemia, cirrho | sis, heart failure, portal vein thrombosis |
| (d) Malignancy : pancreatic, colonic ca | rcinoma, carcinoid, GIST |
| (e) All of the above | |
| _ | l stratification of Intestinal tract are all except |
| (a) Contrast enhancement of inner lay | • |
| • • • | submucosa with various degrees of attenuation |
| (c) Contrast enhancement of outer lay | · · · |
| (d) No contrast enhancement of outer | • • |
| • • | es of Acute Rejection of Renal Transplant does not |
| include | |
| (a) Decrease in Renal Volume | (2 Autorogulator Machanism)) |
| (b) Initially decrease in resistive index | · |
| (c) Increase in resistive index > 0.80 (v(d) Reversal of diastolic flow | A |
| | nt about CT imaging of Xanthogranulomatous |
| Pyelonephritis is not correct | it about C1 imaging of Natitiograficiomatous |
| (a) Enlargement of kidney | (b) Obstructive staghorn-like calculus |
| (c) Hydronephrosis + abscesses | D |
| (d) No extension into perinephric space | |
| | nts about Fournier gangrene / fulminant necrotizing |
| fasciitis is not correct | nts about Fourther gangrene / Tallimant near otizing |
| (a) CT is the modality of choice for eva | aluation |
| (b) Should scan pelvis (not whole abdo | |
| (c) Gas in scrotal wall + perineum in n | oted on CT |
| (d) Scrotal skin thickening + normal te | D |

| Q. No. 31 Ultrasound features in acute epididy | • | | |
|---|---------------------------------|--------------------|--|
| (a) Hypoechoic epididymis relative to testis | ; | | |
| (b) Enlarged heterogeneous epididymis | | | |
| (c) Thinning of tunica albuginea in severe i | | C | |
| (d) Reactive hydrocele ± thickening of scro | | | |
| Q. No. 32. Which of the following is not a sono | graphic feature in Arterioven | ous Fistula of | |
| Kidney | | | |
| (a) focal area of aliasing / color saturation(b) ↑ flow velocity + U resistance in feeding | , artory | | |
| (c) Decreased flow in Renal artery | , artery | | |
| (d) arterial pulsations in draining vein | | С | |
| Q. No. 33. Which of the following is not u | sually a CTImaging feature | in adrenocortical | |
| adenoma | sauny a crimaging reacare | iii darenocorticai | |
| (a) Lipid-rich adenoma < 10 HU | (b) Lipid-poor adenoma > 1 | 10 HU | |
| (c) Absolute percentage washout > 40% | • • • • | | |
| Q. No.34. Which of the following is not a cause | | | |
| during IVP | | | |
| (a). Uremia | (b) Pyelovenous backflow | В | |
| (c)Spontaneous urinary extravasation | (d) Acute unilateral obstruc | ction | |
| Q. No. 35 Pseudokidney Sign is a sonographic r | nass of reniform appearance | with a central | |
| hyperechoic region surrounded by a hyperecho | oic region and is not usually f | found in the | |
| (a) Intussusception | (b) Midgut volvulus | | |
| (c) Crohn disease | (d) Ulcerative colitis | D | |
| Q. No. 36 which adrenal mass/ masses exhibit s | Small Foci of Fat on Imaging. | | |
| a) Adrenocortical adenoma with myelolipe | omatous changes | | |
| b) Adrenocortical carcinoma | | | |
| c) Pheochromocytoma | | D | |
| d) All of the above | | | |
| Q No. 37 Which is the commonest Primary retr | - | bit extensive | |
| necrosis and contiguous involvement of a vess | el | | |
| a) Retroperitoneal liposarcoma | | | |
| b) Leiomyosarcoma | | В | |
| c) Both A & B | | | |
| d) None of the above | | | |
| Q. No. 38. Which is the commonest Primary re | • | libit contrast | |
| enhancement of thick irregular nodular septa | on Cross sectional Imaging | | |
| (a) Retroperitoneal liposarcoma | | | |
| (b) Leiomyosarcoma | | Δ. | |
| (c) Both A & B | | Α | |
| (d) None of the above | | | |
| Q. No. 39.Which is most common Retroperiton | eum malignancy noted on Cr | ossectional | |
| imaging | | | |
| (a) Lymphoma | | | |
| (b) Retroperitoneal liposarcoma | | | |
| (c) Leiomyosarcoma | | Α | |
| (d) Malignant fibrous histiocytoma O No 40 Which one of the following stateme | nt is incorrect regarding ultr | asound | |
| Q. No. 40. Which one of the following statement is incorrect, regarding ultrasound findings in a patient with suspected Pelvic congestion Syndrome? | | | |
| (a) Multiple tortuous pelvic veins > 4–6 mm in diameter around uterus + ovaries | | | |
| • | | T UVALIES | |
| (b) Slow (≤ 3 cm/s) / reversed (caudal) flow(c) Dilated arcuate vein in myometrium | | | |
| (d) No polycystic changes of Ovaries. | | D | |
| (a) ito polycystic chariges of Ovalies. | | | |

| Q. No. 41. Which one of the following feature about MRI of Cervical Carcinoma is incorrect? | | |
|--|--|--|
| (a) Mass isointense on T1WI | | |
| (b) Size of tumoris not accurately depicted on T2WI | | |
| (c) Mass is hyperintense on T2WI compared with fibrous stroma | | |
| (d) Early contrast enhancement on fat-saturated T1WI | | |
| Q. No. 42. Which one of the following MR Imaging features of Focal Adenomysosisis incorrect | | |
| (a) Foci of central low-intensity spots / linear striations on T2WImaging in 50% cases | | |
| (b) Focal thickening of junctional zone > 12 mm. | | |
| (c) Oval myometrial mass with indistinct margins of primarily low SI on all sequences. | | |
| (d) Widening of the junctional zone from 8 mm up to 12 mm | | |
| Q. No.43. Which one of the following statement about Amnionicity&Chorionicity is incorrect? | | |
| (a) Only monozygotic twins can give rise to monochorionicmonoamniotic pregnancies | | |
| (b) All monoamniotic twins must also be monochorionic | | |
| (c) All dizygotic twins must be dichorionic and diamniotic | | |
| (d) Two third of twins are monozygotes | | |
| Q.No. 44. Which of the antenatal sonographic diagnosis is least likely to prompt cardiac | | |
| evaluation | | |
| (a) Hydrocephalus | | |
| (b) Esophageal atresia | | |
| (c) Congenital talipesequinovarus | | |
| (d) Omphalocele | | |
| Q. No. 45 Congenital heart disease is most commonly seen in which syndromes. | | |
| (a) Down syndrome | | |
| (b) Trisomy 18 | | |
| (c) Trisomy 13 | | |
| (d) Turner syndrome | | |
| Q, No. 46. Which of the following is a rare cause of pulmonary hypoplasia | | |
| (a) Primary/idiopathic pulmonary hypoplasia | | |
| (b) Pulmonary hypoplasia due to Intrathoracic lung compression | | |
| (c) Pulmonary hypoplasia due to Extrathoracic lung compression | | |
| (d) Pulmonary hypoplasia due to Dysplasia of thoracic cage | | |
| Q. No. 47. Which of the Statement regarding Isolated Mild Ventriculomegaly in foetus is not | | |
| correct | | |
| (a) Most common brain anomaly on prenatal sonograms | | |
| (b) Associated structural anomalies like periventricular leukomalacia, subependymal / | | |
| germinal matrix haemorrhage, partial agenesis of corpus callosum are seen in | | |
| majority of these cases. | | |
| (c) MR is recommended to diagnose associated structural Anomalies | | |
| (d) Most of these patients with isolated mild ventriculomegaly have normal motor & | | |
| intellectual function at ≥ 12 months of age | | |
| | | |
| Q. No. 48. Which of the following small –for –gestational age foetus (SGA) is most likely to | | |
| benefit from intensive management | | |
| (a) Foetus of appropriate growth which is misdiagnosed as small | | |
| (b) Small normal foetus / constitutionally small foetus | | |
| (c) Small abnormal foetus /primary growth failure associated with karyotype | | |
| anomaly / fetal infection | | |
| (d) Dysmature foetus / IUGR/growth failure as a result of uteroplacental insufficiency | | |

Q. No. 49 Which of the following is not an Ultrasound Finding Diagnostic of Pregnancy Failure as per society of Radiologists Ultrasound Consensus Criteria (by using transvaginal ultrasound). (a) No heartbeat with CRL of ≥ 7 mm (b) No embryo with mean sac diameter of ≥ 25 mm (c) No heartbeat ≥ 1 weeks after appearance of gestational sac without yolk sac C (d) No heartbeat ≥ 11 days after appearance of gestational sac with yolk sac Q. No. 50 which are the following is a less common cause of Pelvic Pain in a Young Woman. (a) Haemorrhagic ovarian cyst (b) Pelvic inflammatory disease (PID) D (c) Ectopic pregnancy (d) Torsion of ovary Q. No. 51 What is the typical imaging appearance of papillary craniopharyngiomas? a) Mostly cystic with calcification b) mostly solid with calcification c) mostly cystic without calcification D d) mostly solid without calcification Q. No. 52 What is the most likely diagnosis: a) Double aortic arch

Q. No. 53 Which of the following structure doesnt pass through the marked foramen:

В

b) Aberrant left pulmonary artery

c) Esophageal ulcerd) Schatzki Ring

a) Otic ganglion

a) MOTSA

d) CT angiography

c) fMRI

b) Mandibular division of V3c) Accessory meningeal arteryd) Middle meningeal artery

b) Susceptibility weighted imaging

Q. No. 54 Venetian blind artifact is associated with:

Q. No. 55 In the given post contrast axial CT image, which is the most likely diagnosis among thefollowing. Patient has history of infertility treatment, a) PCOD b) Ovarian hyperstimulation Syndrome В c) Hemorrhagic ovarian cysts d) Ovarian teratoma Q. No. 56 Which of the following is not a typical feature of GCT? a) Epiphysis must be closed. b) Must be an epiphyseal lesion and abut the articular surface. D c) Must be well defined with non-sclerotic margins. d) Must be central in location. Q. No. 57 Choose the correct option: a) Greenstick fracture b) Angulated fracture c) Torus fracture d) Growth plate fracture Q. No. 58 All the following statement are true regarding the PCPNDT act except: a) All PCPNDT related documents and images to be preserved for 12 years b) Written consent is required for invasive procedures like amniocentesis, chorionic villous sampling and is documented using form G c) Form A is used for Registration of imaging centre or renewal of registration Α d) Form F – Form for maintenance of records by genetic clinic / imaging centre Q. No. 59 BLUE Protocol is used for: a) Lung imaging in emergency b) Abdominal trauma c) Emergency obstetric conditions d) Imaging in unconscious patient Q. No. 60 Schuller's view is used for: a) Orbit roof b) Maxillary sinus c) Petrous temporal bone. d) Nasal bones