Write short notes on:

1. a) Enumerate various pathologies which can be found in posterior mediastinum.
   b) Imaging findings of posterior medistinal tumors in children.  

2. a) Chest radiographic findings of pulmonary edema.
   b) Radiological differences between cardiogenic and non-cardiogenic pulmonary edema.

3. Grading, imaging appearances and complications of pancreatic trauma.

4. Role of MRI in the evaluation of breast masses.

5. a) Role of ultrasound in the evaluation of a suspected vascular malformation.
   b) Role of interventional radiology in low flow vascular malformations.

6. a) Enumerate etiologies of diffuse cystic lesions of lung.
   b) Radiological findings in any two of them.

7. a) Enumerate the causes of hemoptysis
   b) Role of interventional radiology in its management.

8. Causes and imaging findings in a neonate presenting with respiratory distress.

   b) Imaging findings of ovarian torsion.

10. a) Define solitary pulmonary nodule and enumerate its causes.
    b) Role of dynamic CT in the evaluation of solitary pulmonary nodule.

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(1+4)+5