

Neonatal Intracranial Ultrasound Image Summary

Initially image through the anterior fontanelle:

Coronal Images: Anterior to Posterior

1. Interhemispheric fissure and anterior parenchyma
2. Interhemispheric fissure and frontal horns of Lateral ventricles
3. Corpus callosum, cavum septum pellucidum, frontal horns , germinal matrix and sylvian fissures .
4. Corpus callosum, bodies of the lateral ventricles, third ventricle, thalami, caudate nuclei , choroid plexus, sylvian fissures , cerebellum and cisterna magna .
5. Occipital horns and trigone of lateral ventricles with choroid plexus .
6. Posterior parenchyma

Sagittal Images : Midline to R then midline to L

1. & 2. Midline : corpus callosum, cavum septum pellucidum, cavum vergae, thalamus, third ventricle, fourth ventricle, cerebellum , vermis, cisterna magna.
3. Right : frontal horn and body of lateral ventricle , caudothalamic notch
4. Right : frontal , body, trigone, occipital horns of lateral ventricle, choroid plexus
5. Right : lateral parenchyma with sylvian fissure
6. Left: repeat 3-5

7. Occipital horns from posterior fontanelle.
8. Axial view of posterior fossa from mastoid region
9. Assess the subarachnoid space and measure using a linear transducer.