

Write short Notes on:

1. Antenatal markers of chromosomal disorders in the fetus.
2. Metanalysis.
3. Free radicals in health and disease in neonates.
4. Deficiency in neonatal host defenses predisposing to infection.
5. Choosing a ventilator for a newborn unit.
6. Science behind AAP guidelines on resuscitation.
7. Steroids in Neonatology.
8. Pain pathways and management of pain
9. Periventricular leucomalacia.
10. Erythroid development and anemia of prematurity.

Write short Notes on:

1. Refractory hypoglycemia in a neonate.
2. Intrauterine growth charts.
3. Approach to a neonate with ambiguous genitalia
4. Congenital diaphragmatic hernia – etiology and management.
5. Approach to a neonate with hypernatremia.
6. Probiotics – status in neonatal disease.
7. Neonatal Varicella infection.
8. Interpretation of a TORCH screen.
9. Post hemorrhagic hydrocephalus.
10. Hearing impairment in NICU graduates.

Write short Notes on:

1. Magnetic resonance spectroscopy.
2. Upscaling community based newborn care.
3. Perinatal arrhythmias – diagnosis and management.
4. Neonatal Registry
5. Amplitude integrated encephalogram.
6. Process indicators of quality care in NICU.
7. Surfactant – newer insights.
8. New Bronchopulmonary Dysplasia.
9. Evidence based newer interventions in management of hypoxic ischemic encephalopathy.
10. Role of macronutrients in neonatal nutrition – evidence based review.