

KAUMARABHRITYA
6-day CME for Teachers Module

Unit	Topic	Course Contents	Duration in Hours
1.	Applied Embryology	Putreshti samskara, pumsavan samskara, Simmantonayan samskara, Shadbhavas, Dauhrida, Masanumasik vriddhi (intrauterine growth and development), Organogenesis, Teratogens	1 ½ Hour
2.	Applied Embryology	Fetal circulation and changes at birth with first breath, Upashushka (twin transfusion syndrome and vanishing twin), Jataharini, Mode of inheritance : Dominant and recessive - autosomal and sex chromosomal, Mendelian and non-mendelian inheritance, Epigenetics	1½ Hour
3.	Neonatology	Nomenclature and care of preterm, LBW, VLBW, ELBW, SGA/AGA/LGA and IUGR etc, Anticipation of needs of resuscitation, Levels and grades of neonatal care, Care of newborn: a) In delivery room b) Resuscitation (pran-pratyagaman) – i) Normal ii)High risk.	1½ Hour
4.	Neonatology	Examination of newborn: a) Scores and reflexes b) General examination. Ayurvedic concepts of neonatal care and relevant scientific explanation	1½ Hour
5.	Neonatology	Neonatal feeding: a) Enteral feeding b) Parenteral feeding c) Tube feeding Milk: Breast milk, Formula milk and Animal milk Neonatal disorders: Birth trauma, HIV, TORCH, neonatal convulsion, jataharini, neonatal jaundice, BMJ, vomiting, ulvak, polycythemia.	1½ Hour
6.	Neonatology	Congenital malformations: Diaphragmatic hernia, TEF, club feet, biliary atresia, imperforated anus, renal agenesis, meningomyelocele, meningocele, cyanotic and acyanotic heart diseases. Life threatening disorders: Birth asphyxia, HMD, Rh & ABC incompatibility, hyperbilirubinemia, septicemia, HIE, tetanus neonatorum, NEC, DIC, HDN, pulmonary hypoplasia, RDS.	1½ Hour

7.	Nutrition, Growth and Development	Basic and nutritional requirements Infant feeding Nutritional disorders (Ayurvedic and modern concepts): PEM, Vitamin deficiency and Obesity Growth and development (physical and psychological): Up to one year, 1-3 years, 3-5 years and Adolescent.	1½ Hour
8.	Nutrition, Growth and Development	Samskaras & their scientific appreciation. National program on childhood nutrition.	1½ Hour
9.	Paediatric disorders	Graharogas	1½ Hour
10.	Paediatric disorders	Ahiputana, Balatisar & dysentery, Balashosha, Phakka, Parigarbhik, Karshya, Dantodbhed-janya vyadhi	1½ Hour
11.	Paediatric disorders	Jataharini	1½ Hour
12.	Paediatric disorders	Hepatitis. Diseases of GIT: Vomiting, constipation, abdominal pain, intestinal worm, anal stricture (sanniruddha guda).	1½ Hour
13.	Paediatric disorders	Diseases of RS: RDS, shwas (bronchial asthma, bronchiolitis, tuberculosis, sinusitis, pneumonia (utphullika), pulmonary eosinophilia	1½ Hour
14.	Paediatric disorders	Diseases of CVS: Hydrocephalus, seizures (epilepsy), meningitis, encephalitis, meningoencephalitis.	1½ Hour
15.	Paediatric disorders	Diseases of CNS: hydrocephalus, seizures (epilepsy), meningitis, encephalitis, postmeningitis-encephalitis sequel. Diseases of GUT: Renal failure, UTI, phymosis, paraphymosis.	1½ Hour
16.	Paediatric disorders	Metabolic disorders: DM, inborn errors of metabolism.	1½ Hour
17.	Paediatric disorders	Musculoskeletal disorders & myopathies: Cerebral palsy, DMD, SMA	1½ Hour
18.	Paediatric disorders	Blood disorders: Thalassemia, sickle cell anemia, leukemia, pandu (anemia).	1½ Hour
19.	Paediatric disorders	Infections: Poliomyelitis etc.	1½ Hour

20.	Paediatric disorders	Skin disorders: Sidhma, pama, vicharchika, charmadal etc.	1½ Hour
21.	Specific diagnostic methods in paediatric disorders	Method, indications, contraindications and interpretations of the following investigations: Radiodiagnosis: X-ray, USG, CT scan, MRI, PET scan Amniocentesis, Chorionic villi sample, Chromosomal analysis, Histopathology, Pathological analysis, Biochemical analysis.	1½ Hour
22.	Recent advancement & methodology in reference to Pediatrics	Research methodology- WHO guidelines etc. (clinical & experimental) Recent advances in the field of drugs, and management.	1½ Hour
23.	Clinics	Bedside demonstrations	1½ Hour
24.	Investigations	Lab. demonstrations	1½ Hour
	Pre and Post training assessment	Assessment and Feedback forms may be given to participants before the commencement of sessions, so that they fill the forms at the end of each session/day and put them in sealed envelopes.	01 hour
		TOTAL	37 Hours