No.	Topic	Content	Date	Faculty
	Vaccines in children (PE 19.1, 19.2, 19.3, 19.4)	Normal maintenance fluid and electrolyte requirements Sodium balance and its disorders Potassium balance and its disorders Overview of Acid-Base disorders Components of the Universal Immunization Program and the National Immunization Program Epidemiology of Vaccine preventable diseases. Vaccine description with regard to classification of vaccines, strain used, dose, route, schedule, risks, benefits and side effects, indications and contraindications. (BCG, OPV, IPV, Hep B, DPT, Hib, MMR) Define cold chain and discuss the methods of safe storage and handling of vaccines	12/07/23	Dr. Pravin
18	Immunization in special situation & newer vaccines (PE 19.5, 19.16)	Immunization in special situations – HIV positive children, immunodeficiency, pre-term, organ transplants, those who received blood and Blood products, splenectomised children, adolescents, travelers. Enumerate available newer vaccines and their indications including pentavalent pneumococcal, rotavirus, JE, typhoid IPV & HPV. Combination vaccines ALH	19/07/23	Dr. Dala
19	RTI-GI.M-I (PE 28.1, 28.2, 28.3, 28.4, 28.5, 28.6, 28.7, 28.8)	Naso pharyngitis/ Pharyngo Tonsillitis/ Acute Otitis Media (AOM) Etio-pathogenesis/ Clinical features Management / Complications Stridor/Epiglottitis/Acute laryngotracheobronchitis/Foreign Body Aspiration Etiopathogenesis/Clinical features/ Management	26/07/23	Dr. Bajaj
20	RTI-GI.M-II (PE 28.18)	Bronchiolitis and wheeze associated LRTI/ Empyema/Lung Abscess Etio-pathogenesis / Clinical features/ Diagnosis /Management pREVENTION	02/08/23	Dr. Mangesh
21	Fever & Exanthematous Fever (PE 34.14, 34.15)	Enumerate the common causes of fever Etiopathogenesis /Clinical features/ Complications / Management / Approach to a child with Exanthematous Fever	09/08/23	Dr. Pravin
22	Measles, Mumps, Rubella & Chicken pox (PE 34.15)	Etiopathogenesis/ Clinical features / Complications / Management / Prevention / Measles, Mumps, Rubella & Chickenpox vaccines	16/08/23	Dr. Kudarikar
23	Down syndrome, Turner &Klinefelter syndrome (PE 32.1, 32.3, 32.4, 32.5, 32.6,	Genetic basis / Risk factors / Clinical features / Complications / Prenatal diagnosis / Management / Genetic counselling.	23/08/23	Dr. Bajaj

12. Interpret and explain the findings in a CSF analysis.
13. Interpret and explain neonatal thyroid screening report
14. Perform and interpret Urine Dip Stick for Sugar Interpret Blood sugar reports and explain the diagnostic criteria for Type 1 Diabetes.
15. Interpret the reports of EEG.
16. Perform Sexual Maturity Rating (SMR) and interpret.
17. Interpret blood tests in the context of laboratory evidence for tuberculosis. Discuss the various samples for demonstrating the organism e.g. Gastric Aspirate, Sputum, CSF, FNAC.

| 27 28 | Skills Lab- iv cannulation, interosseous, vaccination, Neonatal Resuscitation, NGT insertion, Liver Biopsy, Bone marrow aspiration, LP. (PE 15.6, 15.7, 19.9, 19.13, 20.3, 24.15, 24.16, 24.17, 26.10, 27.20, 29.17, 30.23) 2 sessions | 1. Demonstrate the steps of inserting an IV cannula in a model 2. Demonstrate the steps of inserting an interosseous line in a mannequin 3. Demonstrate the correct administration of different vaccines in a mannequin. 4. Describe the components of safe vaccine practice – Patient education/ counselling; adverse events following immunization, safe injection practices, documentation and Medico-legal implications 5. Perform Neonatal resuscitation in a manikin 6. Perform NG tube insertion in a manikin 7. Perform IV cannulation in a model. 8. Demonstrate the technique of liver biopsy or perform Liver Biopsy in a simulated environment. 9. Demonstrate performance of bone marrow aspiration in manikin . 10. Perform in a mannequin lumbar puncture. Discuss the indications, contraindication of the procedure | 31/10/23 |

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