

**DR.B.R.AMBEDKAR MEDICAL COLLEGE & HOSPITAL**  
**DEPARTMENT OF PEDIATRICS**  
**PHASE II CLINICAL TEACHING PROGRAMME**

| <b>Days</b> | <b>Timing</b>     | <b>COMPETENCIES</b>                       | <b>Topic</b>  | <b>Faculty Incharge And Post Graduate</b> |
|-------------|-------------------|---|---|---|
| Day 01      | 8.30 am - 9.30am  | PE 1.1, PE 1.2, PE1.3                     | Introduction Lecture- Anthropometry   |   |
|             | 9.30am to 11.30am | PE 1.4                                    | Bedside clinics & DOAP Session - Anthropometry                                  |   |
| Day 02      | 8.30 am - 9.30am  | PE 1.5                                    | Introduction Lecture- Developmental milestones                                  |   |
|             | 9.30am to 11.30am | PE 1.7                                    | Bedside clinics & DOAP Session – Developmental milestones                       |   |
| Day 03      | 8.30 am - 9.30am  | PE 7.3 , PE7.4                            | Introduction Lecture- Breastfeeding   |   |
|             | 9.30am to 11.30am | PE 7.5, PE 7.7, PE 7.8<br>PE 7.9, PE 7.10 | Bed side clinics & DOAP Session – Breastfeeding                                 |   |
| Day 04      | 8.30 am - 9.30am  | PE 20.1, PE 20.2                          | Introduction Lecture- Newborn care  |   |
|             | 9.30am to 11.30am | PE 20.5, PE 20.6                          | Bed side clinics & DOAP Session – Newborn care                                  |   |
| Day 05      | 8.30 am - 9.30am  | PE 8.1, PE 8.2, PE 8.3<br>PE 9.1, PE 9.3  | Introduction Lecture- Complementary feeding & dietary history taking            |   |
|             | 9.30am to 11.30am | PE 8.4, PE 8.5, PE 9.4, PE 9.5            | Bedside clinics & DOAP Session – Complementary feeding & dietary history taking |   |

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| Day 06 | 8.30 am - 9.30am  | -  | Introduction Lecture- GPE& Vitals            |  |
|        | 9.30am to 11.30am | PE 23.9                                    | Bedside clinics & DOAP Session – GPE& Vitals |  |
| Day 07 | 8.30 am - 9.30am  | PE19.1, PE 19.3, PE 19.4, PE19.9, PE 19.15 | Introduction Lecture- Immunization           |  |

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|        | 9.30am to 11.30am | PE19.10, PE19.11, PE19.12, PE19.14, PE19.7, PE19. 13 | Bedside clinics & DOAP Session – Immunization |  |
| Day 08 | 8.30 am - 11.30am |  | Pediatrics case sheet writing                 |  |
| Day 09 | 8.30 am - 11.30am |  | <b>Internal assessment</b>                    |  |
| Day 10 | 8.30 am - 11.30am |  | Recertification                               |  |

## DAY : 01

### Overview of growth pattern in children & nutritional status assessment

Lecture :

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| PE 1.1 | Define the terminologies of growth and developmental and discuss the factors affecting normal growth and development.  |
| PE 1.2 | Discuss and describe the patterns of growth in infant , children and adolescents   |
| PE 1.3 | Discuss and describe the methods of assessment of growth including use<br>Of WHO and Indian national standards.<br>Enumerate the parameters used for assessment of physical growth in infants, children and adolescents. |
| PE 9.2 | Describe the tools and methods for assessment and classification of nutritional status of infants children and adolescents   |

### Bed side clinics requiring skill assessment

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| PE 9.6 | Assess and classify nutritional status of children, adolescents and recognize deviations. |
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### Small group discussion

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| PE 1.4 | Perform anthropometric measurements, document in growth charts and interpret. (certifiable competency) |
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## **DAY : 02**

### **Immunization**

#### **Lecture :**

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| PE 19.1  | Explain the components of the universal immunization program and the national immunization program.  |
| PE 19.3  | Vaccine description with regard to classification of vaccines , strain used , dose, route, schedule , risks, benefits and side effect, indications and contraindications                     |
| PE 19.4  | Define cold chain and discuss the methods of safe storage and handling of vaccines.  |
| PE 19.5  | Discuss immunization in special situations – HIV positive children, immunodeficiency, preterm, organ transplant, splenectomised children, adolescents, travelers.                            |
| PE 19.9  | Describe components of safe vaccine practices- patient education/ counseling, adverse events following immunization , safe injection practices , documentation and medico-legal implications |
| PE 19.15 | Explain term implied consent in immunization services.   |

#### **DAY : 02 Immunization ( contd)**

##### **OPD Clinic : (DOAP)**

|          |  |
|----------|--|
| PE 19.10 | Observe the handling and storing of vaccines.              |
| PE 19.11 | Document immunization in an immunization record            |
| PE 19.12 | Observe administration of UIP vaccine                      |
| PE 19.14 | Practice infection control measures and handling of sharps |
| PE 19.7  | Educate and counsel a patient for immunization             |

##### **Procedure on mannequin : (DOAP)**

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| PE 19.13 | Demonstrate the correct administration of different vaccines in a mannequin. |
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## **DAY : 03**

### **Developmental Milestones**

#### **Lecture :**

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| PE 1.5 | Define developmental and discuss the normal developmental milestones with respect to motor, behavior, social, adaptive and language. |
| PE 1.6 | Discuss the methods of assessment of development   |

#### **Bed side clinics:**

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| PE 1.7 | Perform developmental assessment and interpret<br>[certifiable competency – minimum required (3) ] |
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## DAY : 04

# Breastfeeding

### Lecture :

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| PE 7.3 | Describe the composition and types of breast milk and discuss the differences between cow's milk and human milk.   |
| PE 7.4 | Discuss the advantages of breast milk  |
| PE 7.5 | Observe correct technique of breastfeeding and distinguish right from wrong technique.   |
| PE 7.7 | Perform breast examination and indentify common problems during lactation such as retracted nipple, cracked nipples, breast engorgement, breast abscess. |
| PE 7.9 | Educate and counsel mothers for best practices in breastfeeding.   |

### Small group discussion:

|        |   |
|--------|---|
| PE 7.1 | Awareness on the cultural beliefs and practices of breastfeeding. |
| PE 7.2 | Explain physiology of lactation.                                  |
| PE 7.3 | Enumerate baby friendly hospital initiatives.                     |

### Bedside clinics:

|         |  |
|---------|--|
| PE 7.5  | Observe the correct technique of breastfeeding and distinguish right from wrong (certifiable competency)   |
| PE 7.7  | Perform breast examination and indentify common problems during lactation as retracted nipples, cracked nipples, breast engorgement, breast abscess. |
| PE 7.8  | Educate mothers on antenatal breast care and prepare mothers for lactation. (DOAP)   |
| PE 7.9  | Educate and counsel mothers for best practice in breastfeeding.(DOAP)  |
| PE 7.10 | Respect patient privacy (DOAP)   |

## **DAY : 05**

### **Newborn**

#### **Lecture:**

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| PE 20.1  | Define the common neonatal nomenclature including the classification and describe the characteristics of normal term neonate and high risk neonate. |
| PE 20.2  | Explain the care of a normal neonate  |
| PE 20.6  | Explain the follow up care for neonates including breastfeeding, immunization importance of growth monitoring and red flag signs                    |
| PE 27.25 | Describe the advantages and correct method of keeping infant warm by skin to skin contact.  |
| PE 27.26 | Describe environmental measures to maintain temperature .   |

#### **Bedside clinics:**

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|---------|--|
| PE 20.4 | Assessment of a normal neonate   |
| PE 20.5 | Counsel /educate methods on care of neonates (DOAP)  |
| PE 20.6 | Explain the follow up care for neonates including breastfeeding, immunization importance of growth monitoring and redflag signs. |

## DAY : 06

### Complementary feeding & dietary history taking

#### Lecture :

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| PE 8.1 | Define the term complementary feeding.   |
| PE 8.2 | Discuss the principles the initiation, attributes, frequency, techniques and hygiene related to complementary feeding. |
| PE 8.3 | Enumerate the common complementary foods   |
| PE 9.1 | Describe the age related nutritional needs of infants, children and adolescents including micronutrients and vitamins. |
| PE 9.3 | Explain calorific values of common Indian foods.   |

#### Bedside clinics :


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| PE 8.4 | Elicit history on complementary feeding habits.  |
| PE 8.5 | Counsel and educate mothers on the best practices in complementary feeding (DOAP)            |
| PE 9.4 | Elicit document and present an appropriate nutritional history and perform a dietary recall. |
| PE 9.5 | Calculate the age related calorie requirement in health and disease and indentify gap.       |

## DAY : 07

### Bedside clinics :

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| PE 23.9 | Record pulse, blood pressure, temperature respiratory rate as per age . |
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### Lecture :

- General physical examination in children
- Explaining in details about 
  - Pallor
  - ICTERUS
  - Clubbing
  - Cyanosis lymphadenopathy
  - Edema