

Classroom tutorial teaching for next set of neonatal clinician trainees August 2020

Subject	Videos etc	Date of lesson
<p>Preparation for and care of the baby at birth</p> <p style="text-align: right;">Handbook P 19-28</p> <ol style="list-style-type: none"> 1. Management at delivery of a baby not needing resuscitation 2. Preparation for birth in the home and in Hospital. (video) 3. The baby at risk of developing problems at Birth 4. Prematurity, Low birth weight, assessing gestational age. 	<p>N58 essential care at birth</p> <p>N54 preparing for birth</p> <p>N14 classifying small babies</p>	<p>26/08/20</p>
<p>Resuscitation of the newly born.</p> <p>Handbook P1-18</p> <ol style="list-style-type: none"> 1. Respiratory changes at birth in a healthy term infant 2. Resuscitation at birth 3. Sequence of actions during resuscitation of the newborn 4. Algorithm for resuscitation of the baby at birth. 5. Poor response to resuscitation 6. Stopping resuscitation 	<p>N45 Resuscitation at birth</p>	<p>10/09/20</p>

Subject	Videos etc	Date of lesson
<p>Clinical care of the infant in the early months of life (1). Handbook P29-35</p> <ol style="list-style-type: none"> 1. Prematurity and low birth weight 2. Oxygen in the small baby 3. Prevention hypothermia in the small baby 4. Fluids in the small baby 5. How to give gastric feeds 6. Guide to volumes of each feed given every 3–4 hours at different infant weights 7. Vitamin Supplements 8. Breast milk bank 	<p>N39</p> <p>N24 Feeding NG tube</p> <p>N69 Small baby growth chart</p>	<p>17/09/20</p>
<p>Clinical care of the infant in the early months if life (2) Handbook P35 - 40</p> <ol style="list-style-type: none"> 1. Fluid and electrolyte management for the neonate in hospital 2. Blood glucose levels in the small baby 3. Danger signs associated with infection in the neonate 4. Discharge and follow- up of low-birthweight Infants 5. Neonatal examination before discharge and common congenital abnormalities 	<p>N81 warning signs</p> <p>discharging small baby https://globalhealthmedia.org/portfolio-items/discharging-the-small-baby/</p> <p>N 49 physical exam</p>	<p>24/09/20</p>
<p>Clinical care of the infant in the early months of life (3). Handbook P41-46</p> <ol style="list-style-type: none"> 1. Common emergency problems that require hospital care 2. Feeding difficulties 3. Temperature control and hypothermia prevention and treatment 4. Prevention of neonatal infection 	<p>N 71 small baby providing right amount of milk. N1 feeding journey. N70 small baby not growing</p> <p>N76 the cold baby</p> <p>N57 protecting small baby from infection</p>	<p>1/10/20</p>

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<p>Clinical care of the infant in the early months of life (4). Handbook P59-74</p> <ol style="list-style-type: none"> 1. Birth injuries (not in book, scalp swellings, nerve palsies, fractures) 2. Maternal conditions affecting infant: TB, Syphilis, Malaria, Varicella, HIV 	<p>Various pictures</p>	<p>8/10/20</p>
<p>Practical procedures (1)</p> <ol style="list-style-type: none"> 1. Pain control. Handbook P225 2. Skin to skin care. Handbook P231 3. Oxygen treatment Handbook P212 4. Nasal CPAP. Handbook P246 	<p>N38 Kangaroo mother care, MRC S. Africa</p>	<p>15/10/20</p>
<p>Practical procedures (2) PB</p> <ol style="list-style-type: none"> 1. Lumbar puncture. Handbook P273 2. Safe drug injections/infusions. Handbook P249 3. Intraosseous needle. Handbook P267 4. Needle thoracocentesis. Handbook P242 	<p>MCAI video ? dosage calculations from NCC MCAI video MCAI video</p>	<p>22/10/20</p>
<p>Scenarios</p>		
<p>Neonatal illnesses and emergencies (1) Neonatal sepsis. Handbook P47-56</p> <ol style="list-style-type: none"> 1. Recognising and treating neonatal infection 2. Meningitis and/or septicaemia 3. Diarrhoea in the newborn 	<p>N 47 Neonatal sepsis</p>	<p>29/10/20</p>
<p>Neonatal illnesses and emergencies (2). Handbook P61-64</p> <ol style="list-style-type: none"> 1. Skin, eye and mucous membrane 	<p>N23 Eye infection</p>	

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Infections 2. Conjunctivitis 3. Skin pustules and skin infection 4. Umbilical infection 5. Cellulitis 6. Antibiotics in the neonate. P75	N67 Skin infection N79 umbilical infection N 48 thrush	17/12/20
Neonatal illnesses and emergencies (3). Handbook P80-90 Respiratory disorders (1) 1. Presentation of respiratory failure 2. Causes of neonatal respiratory failure 3. Principles of treatment of respiratory 4. diseases of the newborn 5. Primary surfactant deficiency (respiratory 6. distress syndrome (RDS), or hyaline 7. membrane disease)	N51 pneumonia N8 breathing problems	07/01/21
Neonatal illnesses and emergencies (4) Respiratory disorders (2). Handbook P90-99 1. Transient tachypnea 2. Aspiration pneumonia 3. Bacterial pneumonia 4. Pneumothorax 5. Lung hypoplasia due to oligohydramnios 6. Congenital lung malformations 7. Diaphragmatic hernia 8. Apnoea and its causes 9. Bronchiolitis Handbook P179		14/01/21
Neonatal illnesses and emergencies (5) 1. Normal anatomy and circulation. Handbook P135 Persistent fetal circulation. Handbook P93-4 2. Types of congenital heart disease 3. Heart failure 4. Haemorrhage. Handbook P102		21/01/21

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<p>Neonatal illnesses and emergencies (6)</p> <p>1. Jaundice. Handbook P104 Treatment of jaundice WHO recommendations for phototherapy and exchange transfusion</p> <p>2. Polycythaemia. Handbook P100</p> <p>3. Neonatal anaemia Handbook P115</p>	<p>N37 jaundice</p>	<p>28/01/21</p>
<p>Neonatal illnesses and emergencies (7)</p> <p>Seizures, spasms or reduced conscious level. Handbook P119-131</p> <p>1. Presentation and causes of seizures 2. Anticonvulsant drugs for seizures 3. Management of seizures including status</p> <p>4. Hypoglycaemia, causes and management 5. Tetanus 6. Other causes 7. Birth asphyxia and its management</p>	<p>N73 tetanus</p>	<p>04/02/21</p>
<p>Neonatal illnesses and emergencies (8)</p> <p>Gastrointestinal problems. Handbook P153-160</p> <p>1. Oesophageal atresia and other GI malformations 2. Necrotising enterocolitis</p>		<p>11/02/21</p>