### Readmission to Hospital

<table>
<thead>
<tr>
<th>DATE arrived at the hospital</th>
<th>TIME arrived at the hospital</th>
<th>□ Arrival time unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ __ / __ __ / __ __ __ __</td>
<td>__ __: __ __ 24h Clock</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DATE seen by research team</th>
<th>TIME seen by research team</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ __ / __ __ / __ __ __ __</td>
<td>__ __: __ __ 24h Clock</td>
</tr>
</tbody>
</table>

### Initial Observations

**Axillary temperature**

<table>
<thead>
<tr>
<th>Axillary temperature</th>
<th>__ __ . __ __ °C</th>
</tr>
</thead>
</table>

**Heart rate**

<table>
<thead>
<tr>
<th>Heart rate</th>
<th>Count for 1 minute</th>
<th>__ __ __ __ / minute</th>
</tr>
</thead>
</table>

**SaO2**

<table>
<thead>
<tr>
<th>SaO2</th>
<th>Leave blank if unrecordable</th>
<th>__ __ __ __ %</th>
</tr>
</thead>
</table>

- □ Measured in Oxygen
- □ Measured in Room Air
- □ Unrecordable

### 1. Presenting Complaints

- □ Fever / Hotness of body
- □ Difficulty breathing
- □ Cough<14 days
- □ Cough>14 days
- □ Poor feeding / Weight loss
- □ Rash / skin lesion
- □ Other (only one complaint, if not covered by above options)
  - □ Vomiting
  - □ Diarrhoea <14 days
  - □ Diarrhoea >14 days
  - □ Blood in stool
  - □ Developmental delay
  - □ Neonatal jaundice
  - □ Convulsions
  - □ Altered consciousness
  - □ Not feeding
  - □ Body swelling / limb swelling / Oedema
  - □ Umbilical infection
# Anthropometry and Nutrition

<table>
<thead>
<tr>
<th>Weight</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>to be taken using SECA scales for CHAIN</td>
<td>to be taken using SECA 416 infantometer provided for CHAIN</td>
</tr>
<tr>
<td>___ ___ . ___ ___ kg</td>
<td>Measurer 1</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Measurer 2</td>
</tr>
<tr>
<td>MUAC</td>
<td>Head circumference</td>
</tr>
<tr>
<td>To be taken using MUAC tape for CHAIN</td>
<td>To be taken using CHAIN measuring tape</td>
</tr>
<tr>
<td>Measurer 1</td>
<td>Measurer 1</td>
</tr>
<tr>
<td>___ ___ . ___ ___ cm</td>
<td></td>
</tr>
<tr>
<td>Measurer 2</td>
<td>Measurer 2</td>
</tr>
<tr>
<td>___ ___ . ___ ___ cm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oedema</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ None □ + □ ++ □ +++</td>
<td>Measurer 1</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Measurer 2</td>
</tr>
<tr>
<td></td>
<td>___ ___ . ___ ___ cm</td>
</tr>
</tbody>
</table>

## 1. Current Health

### Previously admitted to hospital.
- Include other hospitals / health centres. Select 1
- □ No □ < 1 week ago □ 1 week-1month ago □ >1month ago

### Any medication last 7 days.
- Select all that apply
- □ No medication □ Antibiotic □ Antimalarial □ Traditional
- □ Deworming □ Vitamin □ Paracetamol or Ibuprofen
- □ Yes, but unknown □ Other

### Urine volume in last 24hrs?
- Select 1
- □ Not passing urine □ Less than normal □ Normal or greater □ Unknown

## Feeding

### Currently in outpatient nutrition program?
- Select one.
- □ Supplementary (corn soy blend, RUSF, khichuri, halwa) □ Therapeutic (RUTF, Plumpy-nut) □ None

### Has the child eaten these nutrition products in the last 3 days?
- □ Supplementary □ Therapeutic □ None

### Currently Breastfeeding?
- □ Y □ N

### If NO breastfeeding at all, age stopped in months?
- Select one
- □ 0-3m □ 4-6m □ 7-12m □ >12m □ Unknown

### If yes is the child taking anything else (exclude medicine)?
- □ Y □ N
## Examination

Examination should be performed by CHAIN study clinician trained in clinical examination of children, and able to formulate a diagnosis based on clinical history and findings. Refer to Clinical Examination SOP.

### Airway

- Clear
- Needs active support
- Obstructed/Stridor

### Breathing

- Normal – no concerns, (move to circulation)
- Central cyanosis
- Nasal flaring
- Reduced air-entry
- Wheeze
- Acidotic Breathing
- Grunting
- Lower chest wall indrawing
- Crackles
- Dull to percussion
- Head nodding

### Circulation:

- Cap Refill (select one)
  - >3s
  - 2-3s
  - <2s

- Cold Peripheries (select one)
  - Shoulder
  - Elbow
  - Hand
  - Warm peripheries

### Disability:

- Conscious level (select one)
  - Alert
  - Voice
  - Pain
  - Unresponsive
- Fontanelle (select one)
  - Normal
  - Bulging
  - Sunken
  - Not present
- Tone (select one)
  - Normal
  - Hypertonic
  - Hypotonic
- Posture (select one)
  - Normal
  - Decorticate
  - Decerebrate

### Dehydration:

- Sunken eyes?
  - Y
  - N

- Skin pinch (select one)
  - >2 seconds
  - <2 seconds
  - Immediate

### Drinking/Breastfeeding

- Normal
  - Poorly
  - Not drinking
  - Eager / Thirsty

### Abdomen

- Normal – no concerns
  - Distension
  - Hepatomegaly
- Tenderness
  - Splenomegaly
  - Other abdominal mass

### Signs of Rickets

- None
  - Wrist widening
  - Rachitic rosary
  - Swollen knees
  - Bow legs
  - Frontal bossing

### Jaundice

- Not jaundiced
  - +
  - ++
  - +++

### ENT/Oral/Eyes

- Mouth Normal
  - Ears Normal
  - Eyes Normal
- Oral ulceration
  - Pus from ear
  - Conjunctivitis
- Oral candidiasis
  - Tender swelling behind ear (mastoiditis)
  - Eye discharge
- Stomatitis
  - Lymphadenopathy
  - Visual impairment

### Skin

- Normal
  - Hyperpigmentation
  - 'Flaky paint'
- Broken skin
  - Dermatitis
  - 'Flaky paint'
- Cellulitis
  - Impetigo
  - Pustules
- Vesicles
  - Desquamation
  - Macular/ papular

### Site of skin lesions.

- Not applicable (No rash)
  - Trunk
  - Face / scalp
  - Legs
- Palms / Soles
  - Buttocks
  - Arms
  - Perineum
TB Screening

<table>
<thead>
<tr>
<th>Known TB (on treatment)</th>
<th>Child has cough &gt;14 days</th>
<th>Household contact has TB, or cough &gt;14 days</th>
<th>Child has suspected extra-pulmonary TB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

Immediate Clinical Investigations

<table>
<thead>
<tr>
<th>Malaria RDT circle result</th>
<th>Positive</th>
<th>Negative</th>
<th>Not done</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood glucose</td>
<td>___ ___ mmol/L</td>
<td>___ ___ mmol/L</td>
<td>___ ___ mmol/L</td>
</tr>
<tr>
<td>Time glucose measured</td>
<td>___ <em><strong>:</strong></em> ___ 24h clock</td>
<td>___ <em><strong>:</strong></em> ___ 24h clock</td>
<td>___ <em><strong>:</strong></em> ___ 24h clock</td>
</tr>
</tbody>
</table>

11. Suspected Initial Diagnoses:

Clinical diagnosis should be based on examination and investigation findings. Tick the three most likely diagnoses.

**Respiratory**
- LRTI/pneumonia
- Bronchiolitis
- URTI
- Pulmonary TB
- Otitis media
- Asthma

**Infection**
- Gastroenteritis
- Sepsis
- Malaria
- Extra pulmonary TB
- Soft tissue infection
- UTI
- HIV related illness
- Measles
- Varicella
- Osteomyelitis
- Febrile illness unspecified
- Enteric fever
- Infected umbilicus

**CNS**
- Febrile convulsions
- Epilepsy
- Probable meningitis
- Other encephalopathy
- Hydrocephalus
- Developmental delay
- Cerebral palsy

**Other suspected diagnosis:**
- Other
- Unknown
- Failed appetite test only
- Breast-feeding difficulty
### 11. Initial Treatment

<table>
<thead>
<tr>
<th>Admitted to: select one</th>
<th>Admission to ward</th>
<th>Admission to HDU</th>
<th>Admission to ICU</th>
<th>Admission to neonatal unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date and time First antibiotics given</td>
<td>__ __ / __ __ / __ __ __ __</td>
<td>__ <strong>:</strong> __</td>
<td>__ __/ __ __/ __ __/ __ __</td>
<td>Not given</td>
</tr>
</tbody>
</table>

**Intravenous Antibiotics Given?**

- [ ] Not given
- Benzylpenicillin
- Co-amoxiclav/ Augmentin
- Ampicillin
- Levofloxacin
- Cefazidime
- Other

<table>
<thead>
<tr>
<th>Intravenous Antibiotics Given?</th>
<th>Gentamicin</th>
<th>Ceftriaxone / Cefotaxime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-amoxiclav/ Augmentin</td>
<td>Flu/Cloxacillin</td>
<td>Chloramphenicol</td>
</tr>
<tr>
<td>Amikacin</td>
<td>Vancomycin</td>
<td>Metronidazole</td>
</tr>
<tr>
<td>Pivmecillinam</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Oral Antibiotics Given?**

- [ ] Not given
- Amoxicillin
- Co-trimoxazole
- Cefalexin / cefaclor
- Penicillin
- Other ______________

<table>
<thead>
<tr>
<th>Oral Antibiotics Given?</th>
<th>Erythromycin</th>
<th>Azithromycin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metronidazole</td>
<td></td>
<td>Ciprofloxacin</td>
</tr>
<tr>
<td>Co-amoxiclav / Augmentin</td>
<td></td>
<td>Nalidixic acid</td>
</tr>
<tr>
<td>Flucloxacillin</td>
<td></td>
<td>Levofoxcin</td>
</tr>
</tbody>
</table>

**Initial treatment given**

*First 6 hours. Select any that apply.*

- IV Fluid Bolus
- IV Maintenance Fluids
- Oxygen
- CPAP
- IV Glucose
- Oral Glucose
- Warth (heater, warmed fluids)
- Blood transfusion
- Commercial F75
- Phenobarbitone
- Commercial F100
- Diazepam
- Locally prepared F75/ milk suji
- Paracetamol
- Local prepared F100 / milk suji 100
- Ibuprofen
- Expressed breast milk
- Diclofenac
- Dilute F100/ dilute milk or formula
- Salbutamol / atrovent / other bronchodilator
- Other milk/ formula/ feed
- Prednisolone / dexamethasone / hydrocortisone
- Nasogastric tube
- Adrenaline
- Multivitamin
- Zinc
- Micronutrients
- Folic acid
- Vitamin A
- Antimalarial (any)
- Albendazole / deworming
- ReSoMal
- Other
- ORS

CRF Completed by (Initials) – to be signed when complete.

*Do not sign if any fields are empty*

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ __ / __ __ / __ __ __ __</td>
<td>__ <strong>:</strong> __</td>
</tr>
</tbody>
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