



Paeds-ID



The University of Zambia
School of Public Health ◦ Family Medicine MMed Program

Evaluation

- Most do not require diagnostic workup
 - Consider if: bloody diarrhea, immunocompromised, cholera outbreak
- Classification
 - Acute watery: Likely viral
 - Invasive (bloody): Likely bacterial
 - Consider parasites if symptoms do not resolve
- Hydration status
 - No/some/severe dehydration
- Nutritional status

Acute Gastroenteritis

- **Treatment:** Rehydration and electrolyte replacement with ORS (replace the losses)
 - **If severe:**
 - IVF bolus isotonic crystalloids 30mL/kg over 30min (over 1hr if < 12mo old),
 - Then 70mL/kg over 2.5 hrs
- **Antibiotics:** Consider only if significant bloody diarrhea or severely immunocompromised

| AGE Antibiotics | |
|--|--|
| Acute watery diarrhea | Not indicated (most commonly viral) |
| Acute bloody diarrhea (target <i>Shigella</i>) | Azithromycin 10mg/kg/dose q24hr ORAL x4d <i>or</i> Ceftriaxone 80mg/kg/dose q24hr IV/IM x 3d |
| If no improvement within 2d: treat as amebic dysentery | Metronidazole 35-50mg/kg/d divided TID x 7-10d (max 75mg po TID) |
| Typhoid (enteric fever) | <i>Mild:</i> Azithromycin 20mg/kg/dose q24hr ORAL x 7d <i>Severe:</i> Ceftriaxone 80mg/kg/dose q24hr IV x 10d |
| Cholera | Azithromycin 20mg/kg ORAL single dose |

Community Acquired Pneumonia

Recognition

- Fast breathing
 - Age 2-11mo: > 50/min
 - Age 1-5yo: > 40/min
- Chest indrawing
- Severe: Above + Danger sign
 - Inability to eat/drink, convulsions, lethargy/↓LOC

Evaluation

- Mild cases: CXR and microbiology tests are not necessary
- No test clearly differentiates viral vs. bacterial

WHO Abx Guide



SCAN ME

UTH Abx Guide



SCAN ME

CAP Antibiotics

| | | | |
|---|--|--|------------------------|
| Mild-moderate CAP | Amoxicillin 80-90mg/kg/day ORAL | 3 - <6kg | 250mg q12hr |
| | | 6 - < 10kg | 375mg q12hr |
| | | 10 - <15kg | 500mg q12hr |
| | | 15 - <20kg | 750mg q12hr |
| | | ≥ 20kg | 500mg q8hr or 1g q12hr |
| Severe CAP <i>1st Choice</i> | Amoxicillin 50mg/kg/dose IV/IM q8hr (≤ 1wk old q12hr) <i>OR</i> Ampicillin 50mg/kg/dose IV/IM q8hr (≤ 1wk old q12hr) <i>OR</i> Benzylpenicillin 30mg/kg/dose IV q8hr | PLUS Gentamycin 7.5mg/kg/dose IV q24hr (Neonates: 5mg/kg/dose q24hr) | |
| Severe CAP <i>2nd Choice: If NO response after 48-72hrs of 1st choice</i> | Cefotaxime 50mg/kg/dose IV/IM q8hr <i>OR</i> Ceftriaxone 80mg/kg/dose IV/IM q24hr | | |