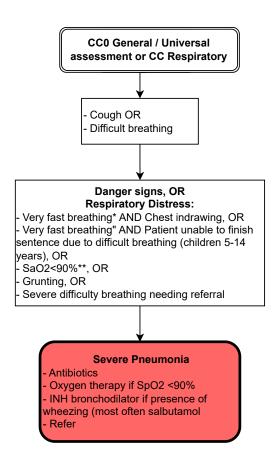
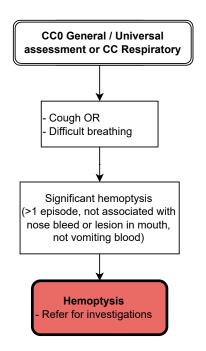


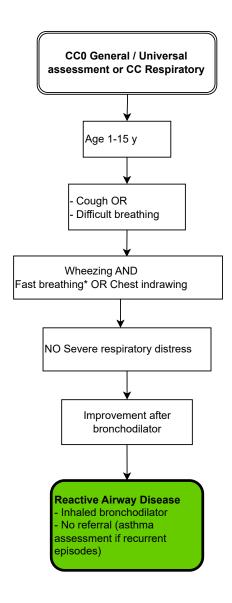
*Fast breathing: Respiratory rate 2-11m ≥50/min, 12-59m ≥40/min, 5-12y ≥30/min, 13-14y ≥20/min Very fast breathing: Respiratory rate 2-11m ≥60/min, 12-59m ≥50/min, 5-12y ≥40/min, 13-14y ≥30/min *Severe comorbidities: Uncomplicated Severe Acute malnutrition, <-3 z-scores weight for age, cerebral palsy, sickle cell disease, HIV, Severe anemia, Congenital heart disease
** Refer if follow-up in children with HIV or <12 months, and already treated with antibiotics for 3 days Bacterial pneumonia excluded by severe pneumonia

- Viral pneumonia excluded by bacterial pneumonia, IMCI/IMAI pneumonia and severe pneumonia
- Common cold excluded by mild and severe croup, IMCI/IMAI pneumonia, Bacterial and Viral pneumonia, and severe pneumonia, CNS danger sign, measles, inhalation injury, suspicion of foreign object in airways, complicated chicken pox, and significant hemoptysis



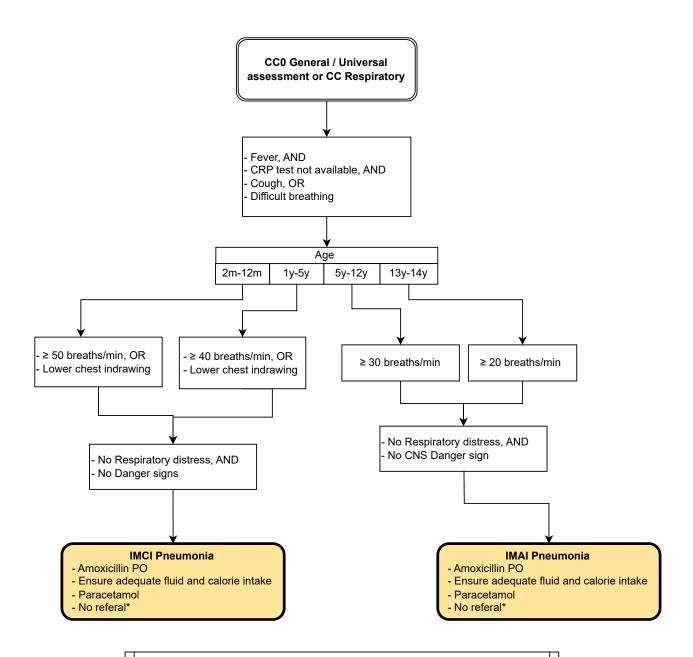
- *Very fast breathing: Respiratory rate 2-11m ≥60/min, 12-59m ≥50/min, 5-12y ≥40/min, 13-14y ≥30/min
- **SpO2 (Blood oxygen saturation) only measured in patients with fast breathing or chest indrawing
- Bacterial pneumonia excluded by severe pneumonia
- Viral pneumonia excluded by bacterial pneumonia and severe pneumonia
- Common cold excluded by mild and severe croup, IMCI/IMAI pneumonia, Bacterial and Viral pneumonia, and severe pneumonia, CNS danger sign, measles, inhalation injury, suspicion of foreign object in airways, complicated chicken pox, and significant hemoptysis





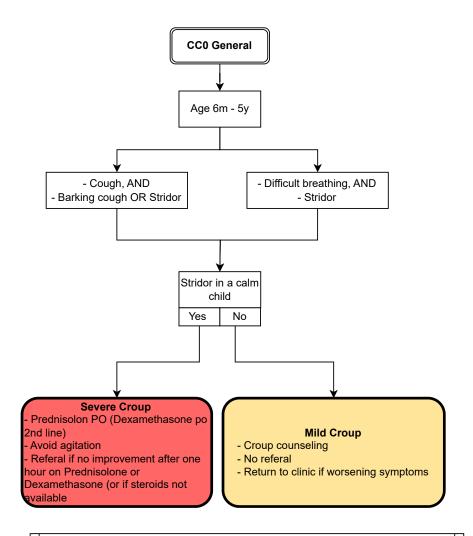
*Fast breathing: Respiratory rate 2-11m ≥50/min, 12-59m ≥40/min, 5-12y ≥30/min, 13-14y ≥20/min
Very fast breathing: Respiratory rate 2-11m ≥60/min, 12-59m ≥50/min, 5-12y ≥40/min, 13-14y ≥30/min

- **Severe comorbidities: Uncomplicated Severe Acute malnutrition, <-3 z-scores weight for age, cerebral palsy, sickle cell disease, HIV, Severe anemia, Congenital heart disease
- ** Refer if follow-up in children with HIV or <12 months, and already treated with antibiotics for 3 days
- Bacterial pneumonia excluded by severe pneumonia
- Viral pneumonia excluded by bacterial pneumonia and severe pneumonia
- Common cold excluded by mild and severe croup, IMCI/IMAI pneumonia, Bacterial and Viral pneumonia, and severe pneumonia, CNS danger sign, measles, inhalation injury, suspicion of foreign object in airways, complicated chicken pox, and significant hemoptysis

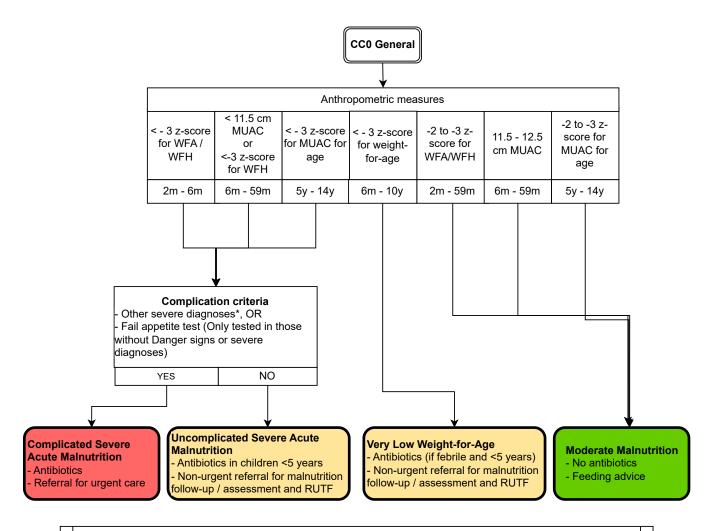


*Refer if follow-up in children with HIV or <12 months, and already treated with antibiotics for 3 days

- Severe pneumonia excludes very severe febrile disease, common cold, bacterial/viral pneumonia, mild/severe croup
- Bacterial pneumonia excludes viral pneumonia, common cold
- Viral pneumonia excludes IMCI pneumonia



- Both excluded by "Suspicion of foreign object in airways" and "Severe pneumonia"
- Mild and Severe croup excludes Common cold



*Other Severe diseases:

- CNS danger sign, OR Suspected meningitis, OR
- Severe anemia, OR
- Severe dehydration, OR
- Measles, OR Chicken pox, OR
- Respiratory distress, OR
- Bacterial pneumonia, OR
- IMCI pneumonia w chest indrawing, OR
- IMAI pneumonia and unable to finish sentence due to difficult breathing, OR
- Severe abdominal condition, OR
- Mastoiditis, OR
- Severe eye disease, OR
- Complicated abscess or complicated cellulitis, OR
- osteomyelitis/septic arthritis, OR
- Hypoglycemia (<3 mmol/l)

Abbreviations:

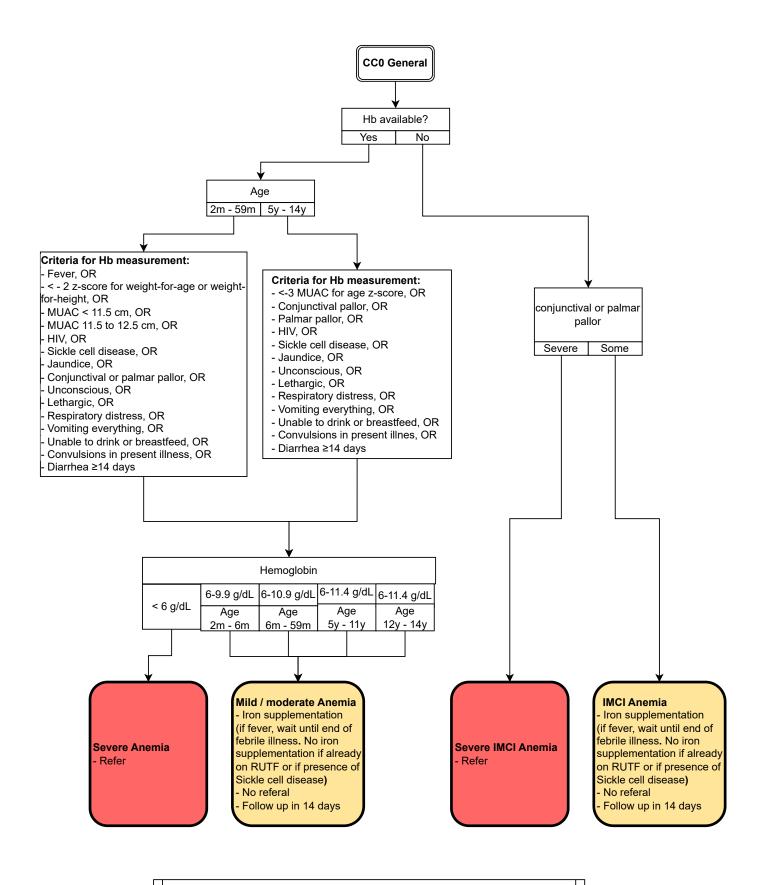
BMI: Body Mass Index

MUAC: Mid-Upper Arm Circumference RUTF: Ready-to-Use Therapeutic Food

WFA: Weight for Age

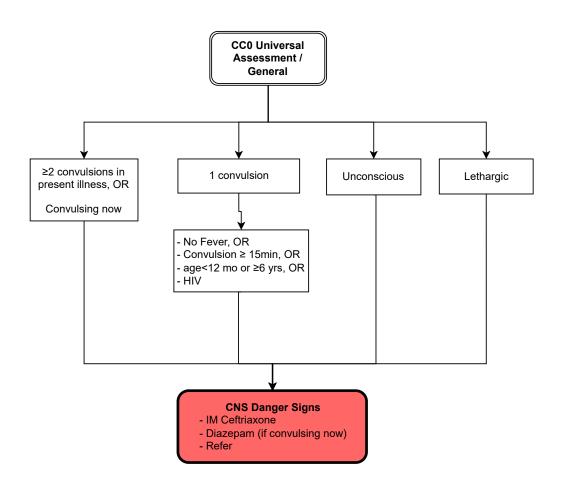
WFH/L: Weight-for-Height or Weight-for-Length

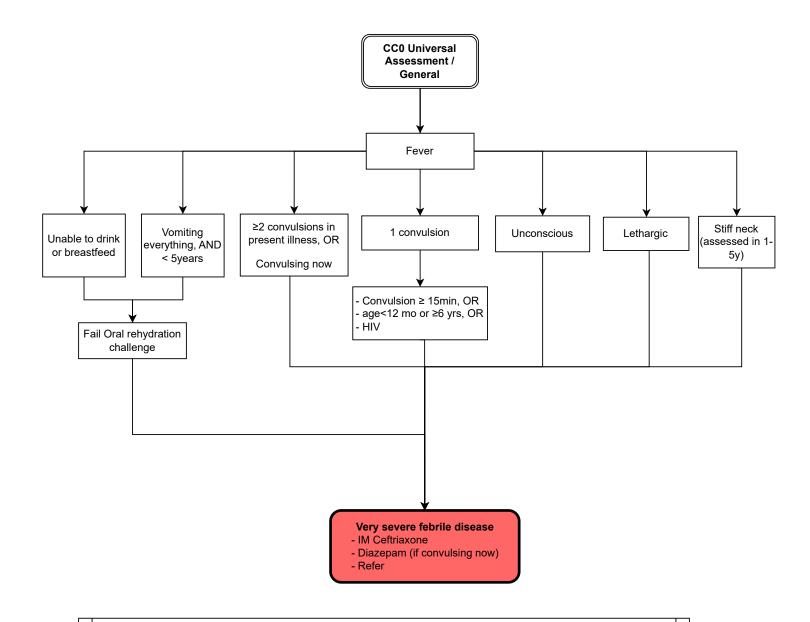
- Complicated Severe Acute malnutrition excludes Uncomplicated Severe Acute Malnutrition, Moderate malnutrition,
 Very low Weight for Age
- Uncomplicated Severe Acute malnutrition excludes moderate malnutrition and Very Low Weight-for-Age



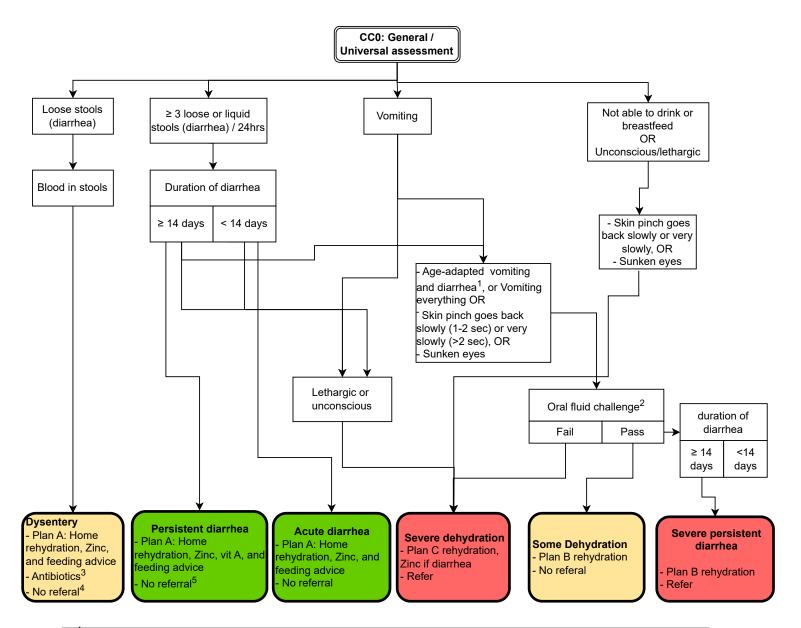
Note:

- Hemoglobin can also be selected as an additional test in order to reach the diagnosis of severe and mild/moderate anemia
- Referral should be considered if anemia despite >2 month of treatment with iron





- Excludes CNS Danger signs



¹ Age adapted vomiting and diarrhea:

Age 2-12m: ≥ 4 loose stools or ≥4 episodes of vomiting / 24hours, or ≥3 loose stools/24 hours and vomiting Age 12 - 59m: ≥5 loose stools or ≥5 episodes of vomiting / 24 hours, or ≥4 loose stools/24 hours and vomiting

Age 5 - 14y: ≥6 loose stools or ≥6 episodes of vomiting / 24 hours, or ≥5 loose stools/24 hours and vomiting

²Oral fluid challenge: Provide water to drink and see if able to drink without vomiting (only performed in those not convulsing now, and not unconscious/lethargic). If oral fluid challenge not possible at clinic, ask mother about last feed/drink.

³Antibiotics for children < 5 years. If ≥5 years, antibiotics only if febrile, or < -3 z-score for MUAC for age. Switch to second line treatment if symptoms have not improved after 3 days of antibiotic treatment with first line treatment.

Referral for children with HIV, <12 months, measles, or severe malnutrition, who did not have any improvements following three days of the first line treatment.

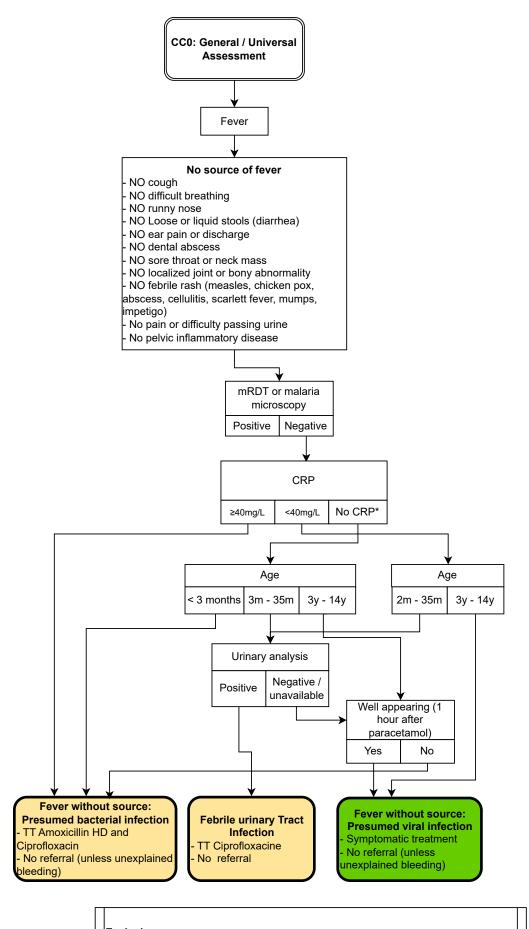
 5 Referral for children with HIV (CTC) or if already received 5 or more days of zinc and feeding counselling

Plan B and C rehydration as per IMCI

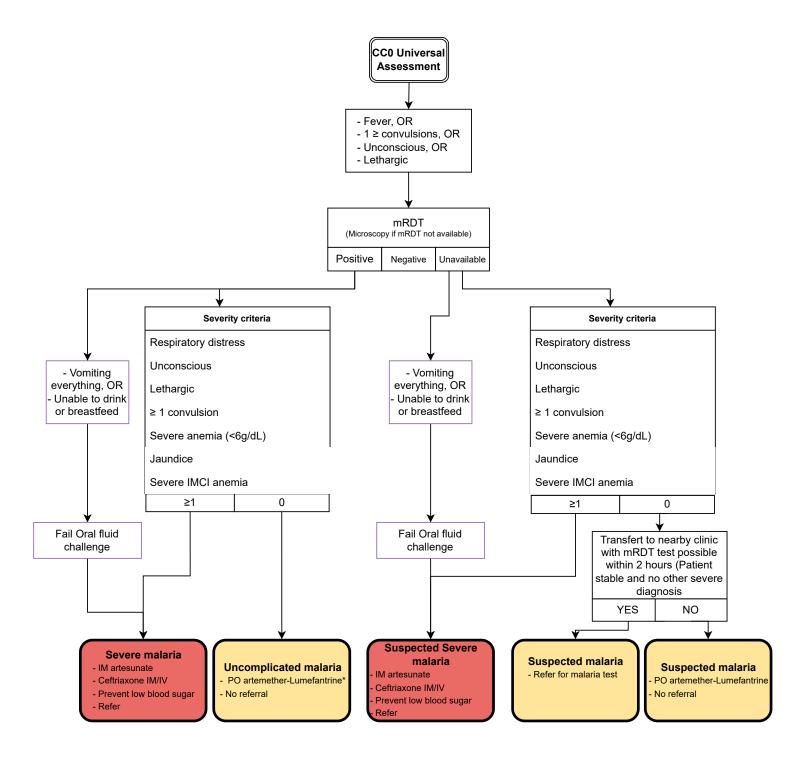
Abbreviations:

ORS: Oral Rehydration Salt

- Severe dehydration excludes Severe persistent dehydration
- Severe persistent diarrhea excludes Some dehydration
- Severe abdominal condition excludes Dysentery



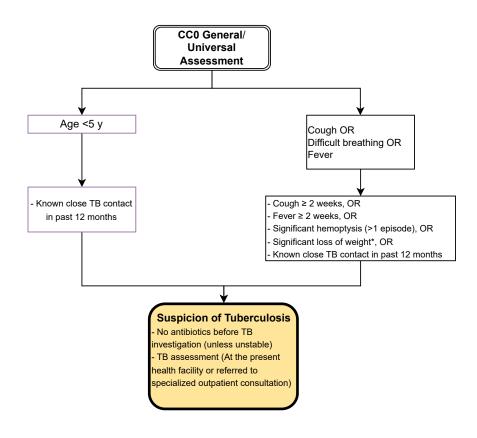
Fever without source bacterial and viral excluded by: Complicated prolonged fever



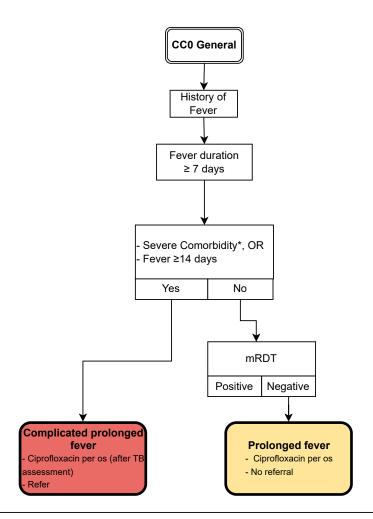
*2nd line antimalarial is proposed if persisting fever after completion of first line antimalarial

Note: Uncomplicated malaria can be reached if "additional test" is selected and the clinician selects malaria test, which becomes positive.

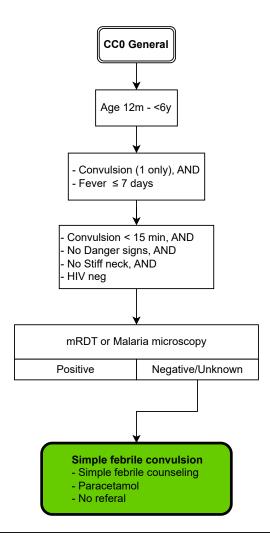
- Severe malaria excludes CNS Danger signs, Very severe febrile disease, Severe pneumonia, and Uncomplicated malaria
- Suspected severe malaria excludes Suspected malaria



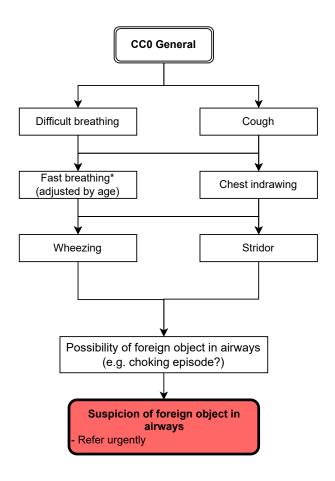
*Significant weight loss = Poor weight gain, failure to thrive, documented weight loss (only asked in children >5 years)



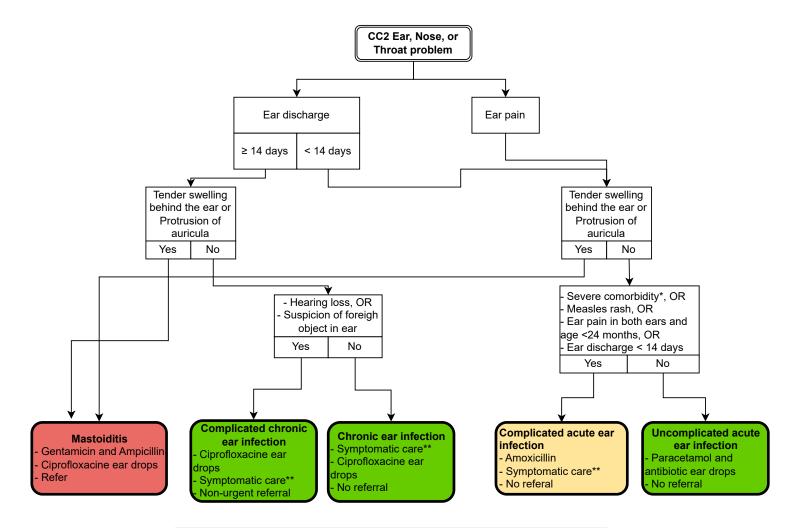
*Severe comorbidity: uncomplicated SAM, very low WFA, HIV, sickle cell disease, cerebral palsy, severe anaemia, congenital heart disease



Excluded by: Suspected Tuberculosis



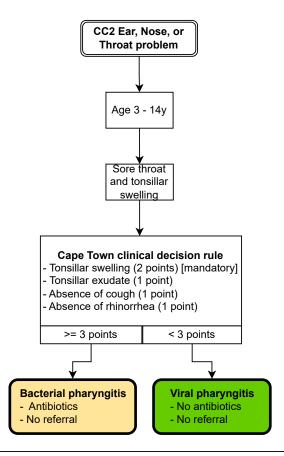
*Fast breathing: Respiratory rate 2-11m ≥50/min, 12-59m ≥40/min, 5-12y ≥30/min, 13-14y ≥20/min



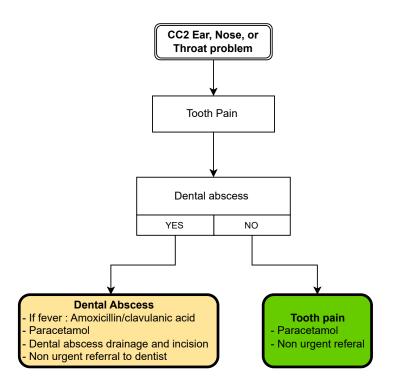
*Severe comorbidities: Uncomplicated Severe Acute malnutrition, <-3 z-scores weight for age, cerebral palsy, sickle cell disease, HIV, Severe anemia, Congenital heart disease

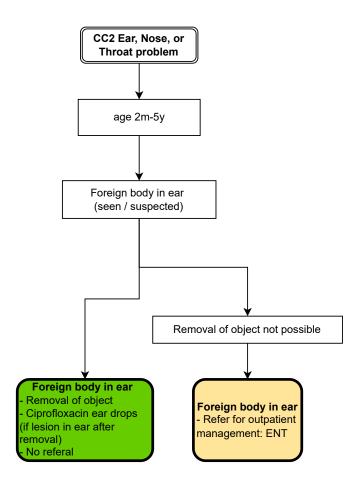
**Symptomatic care = wicking of ear if presence of discharge

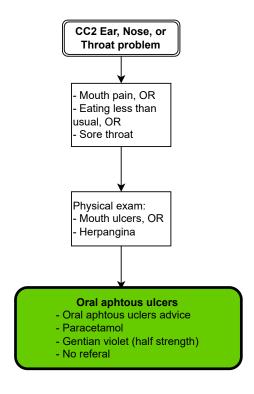
- Complicated acute ear infection excluded by Mastoiditis
- Chronic ear infection excluded by Complicated chronic ear infection
- Uncomplicated acute ear infection excluded by Mastoiditis, complicated acute ear infection, mumps, and dental abscess

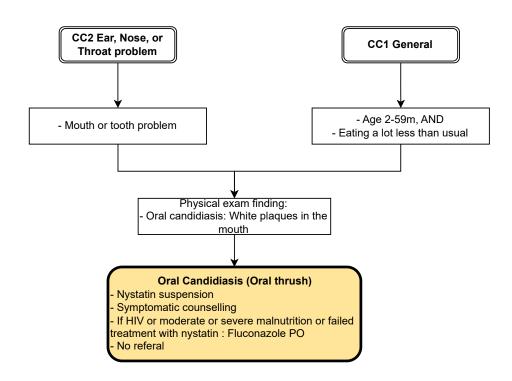


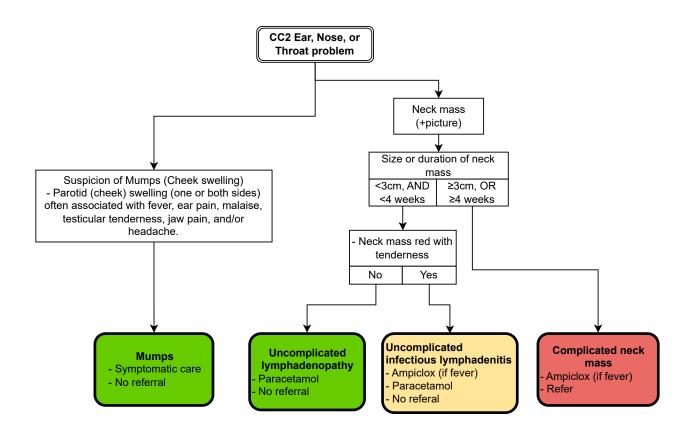
- Bacterial and viral pharyngitis Excludes: Uncomplicated infectious lymphadenitis, uncomplicated lymphadenopathy, and acute uncomplicated ear infection



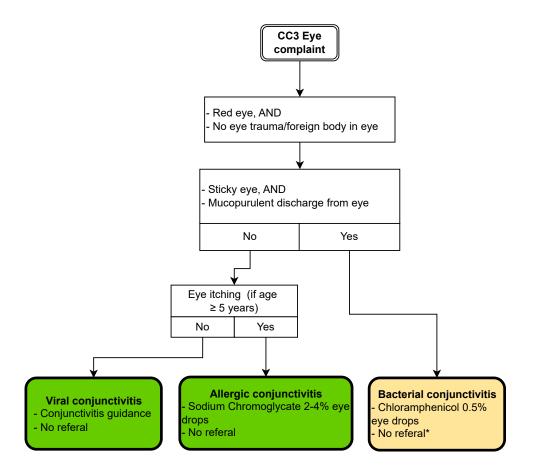








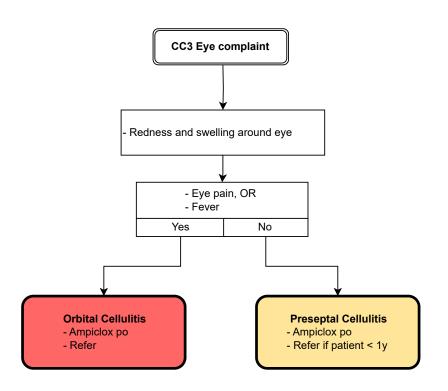
Uncomplicated lymphadenopathy and Uncomplicated infectious lymphadenitis excluded by viral and bacterial pharyngitis

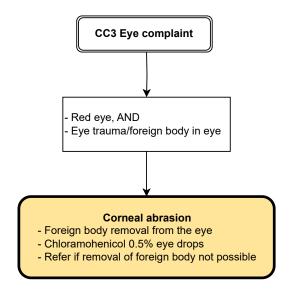


*Outpatient referral for patient's without improvement after 5 days of antibiotic eye drops

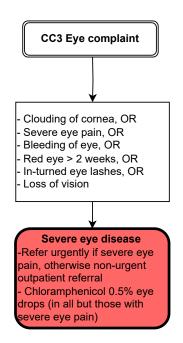
Exclusions:

Bacterial, viral and allergic conjunctivitis excluded by: Severe eye disease, measles, severe measles, corneal abrasion

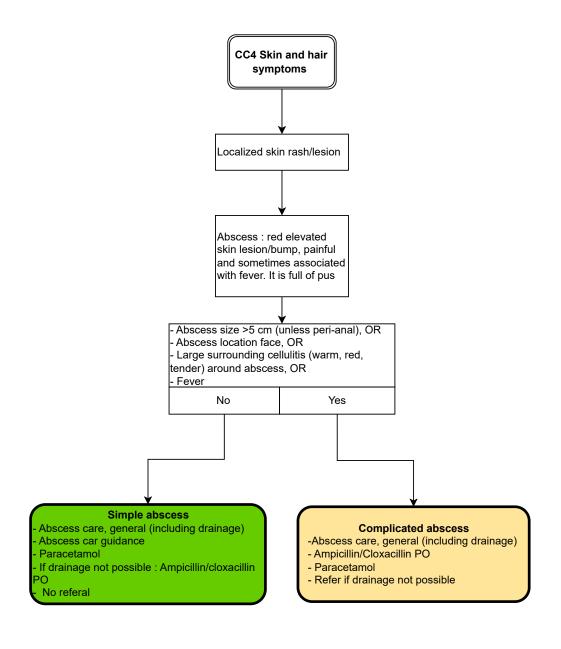


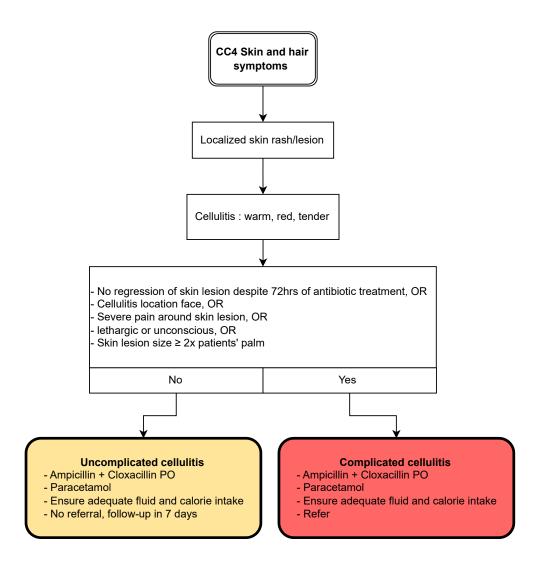


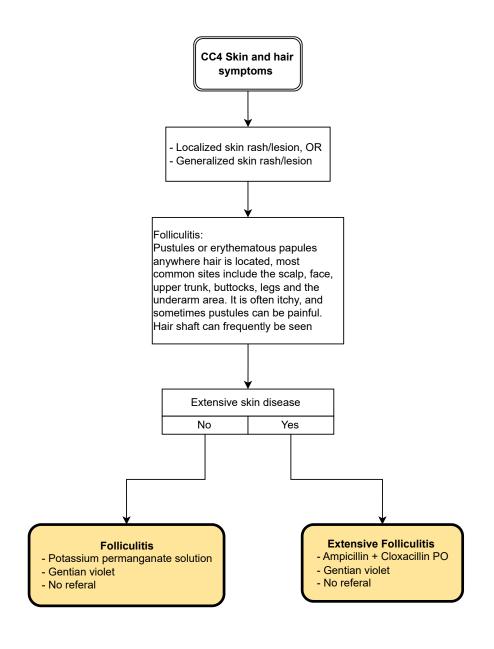
Excludes: Bacterial and viral conjunctivitis

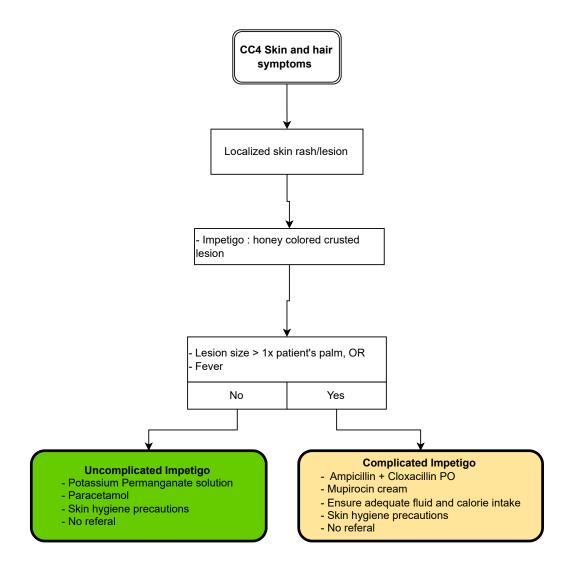


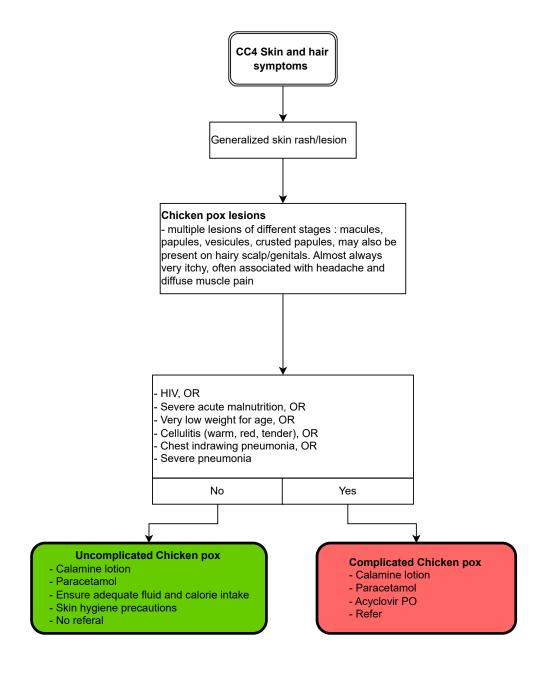
Excludes: Bacterial and viral conjunctivitis

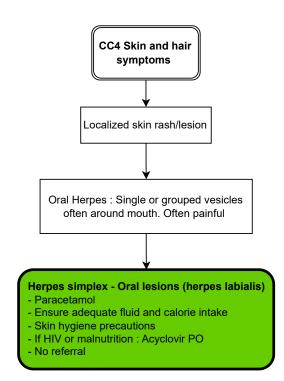


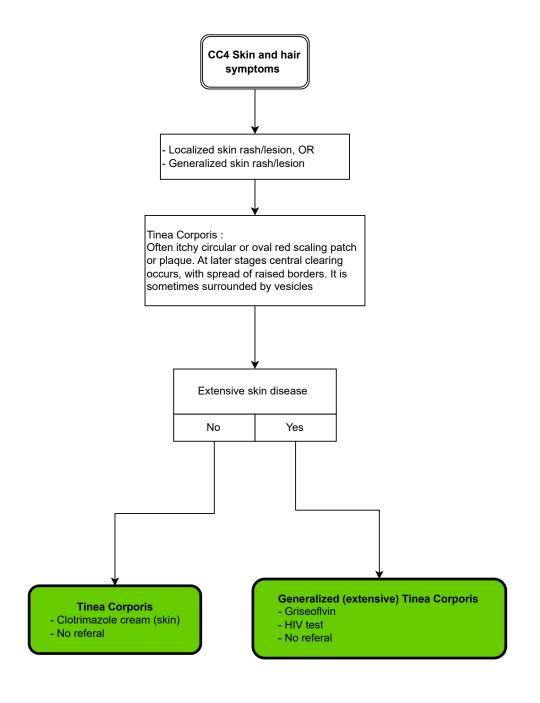


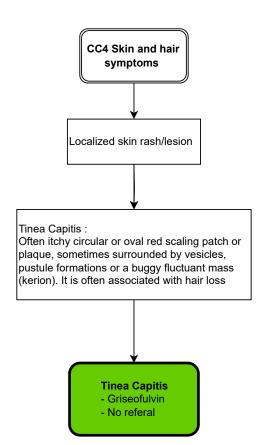


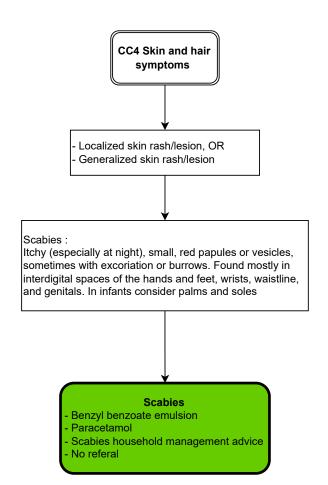


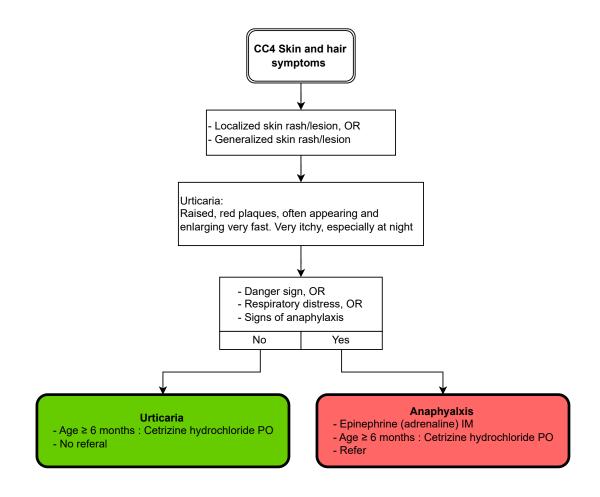


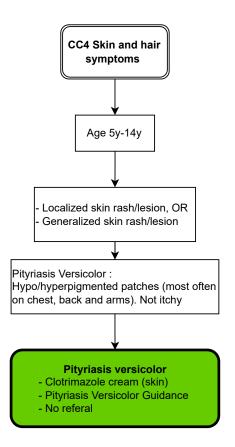


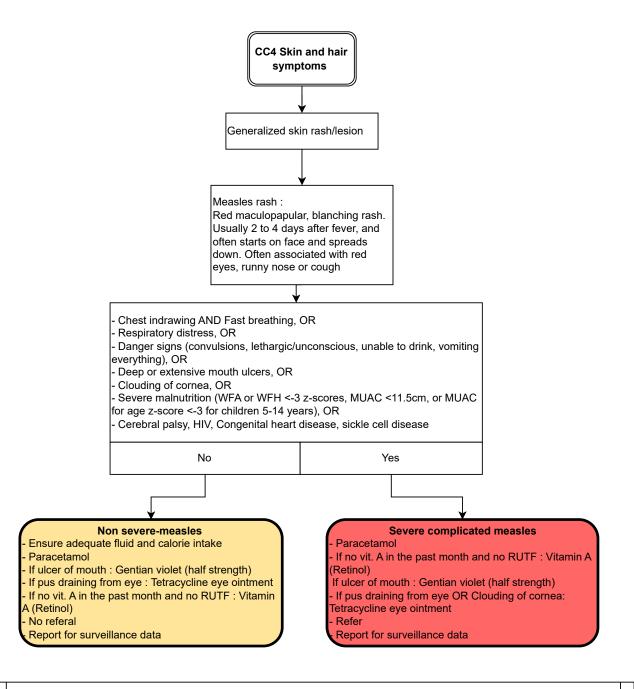








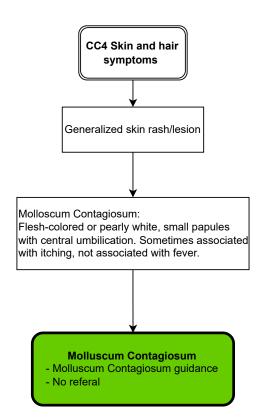


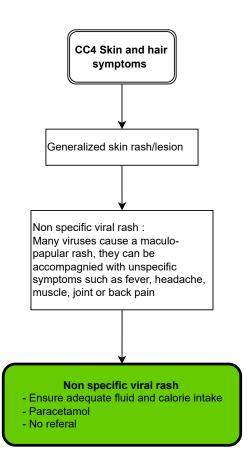


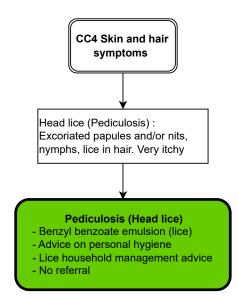
*Fast breathing: Respiratory rate 2-11m ≥50/min, 12-59m ≥40/min, 5-12y ≥30/min, 13-14y ≥20/min

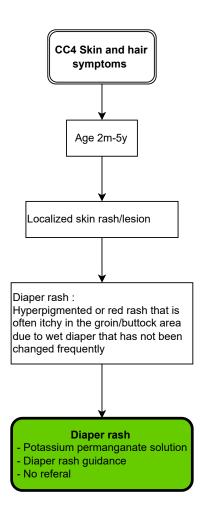
Exclusions:

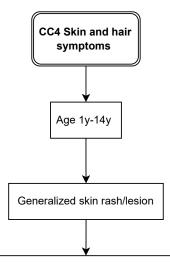
Complicated or uncomplicated measles excludes bacterial or viral conjunctivitis









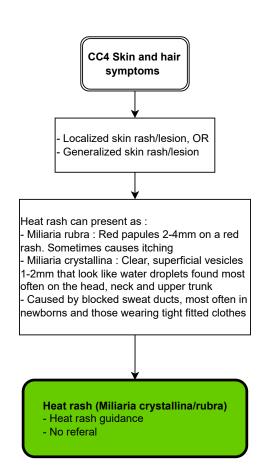


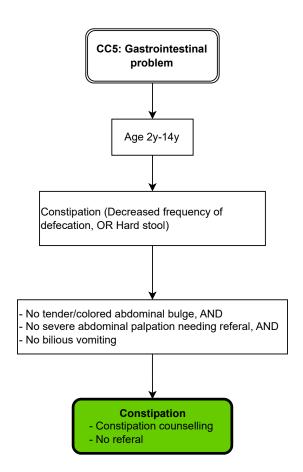
Scarlet fever:

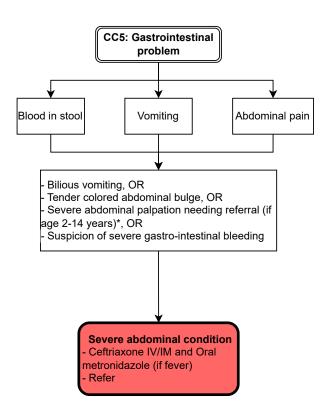
Bright red rash that blanches with pressure, with small papules giving it a sandpaper texture (like pumice stone). It is usually located on face, neck, trunk, arms and legs; palms and soles are not involved. The spread initially starts on the neck, underarm, and groin, and then spreads over the body. The cheeks may be rosy, and a pale area around the mouth. Often associated with sore throat, abdominal pain and emesis. Typically the child presents with strawberry tongue, red tonsils with exudate or petechiae.

Scarlet Fever

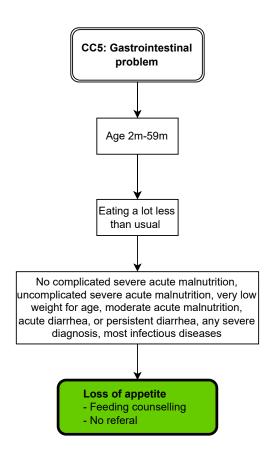
- Amoxicillin PO
- Paracetamol
- Ensure adequate fluid and calorie intake
- No referal

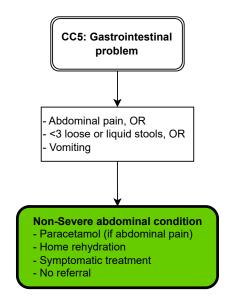




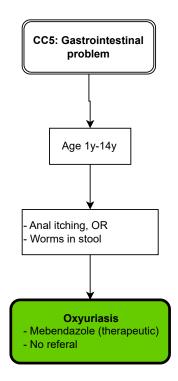


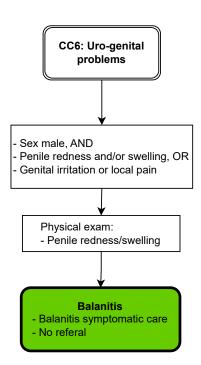
*Severe abdominal palpation needing referral =
Diffuse rebound tenderness. Pain to even light touch.
Specific signs of appendicitis: Right lower quadrant tenderness or rebound tenderness, accentuated when jumping on right foot, pain migrating from the umbilical region associated with fever.

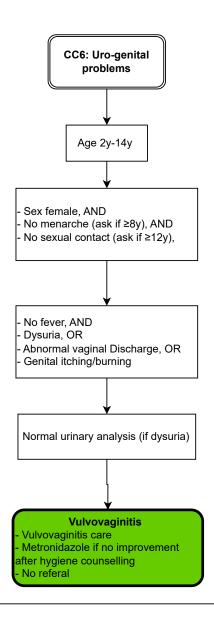




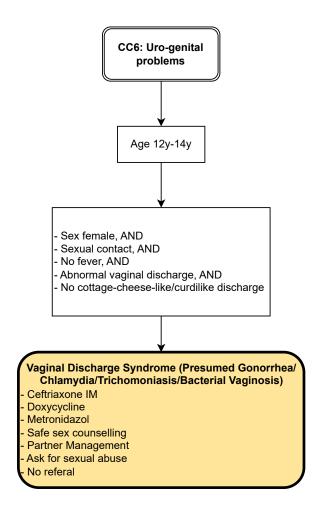
Excluded by: Acute diarrhea, persistent, severe abdominal condition, severe or some dehydration, constipation



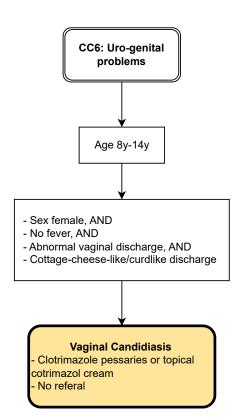


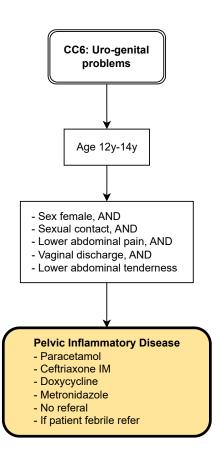


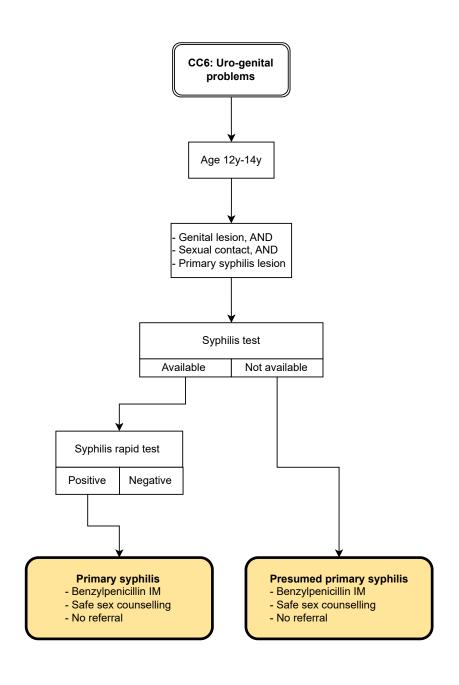
Excluded by: Vaginal candidiasis

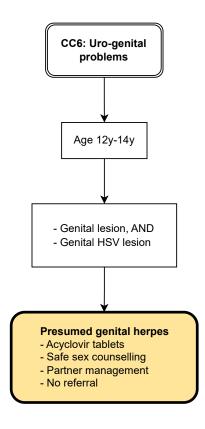


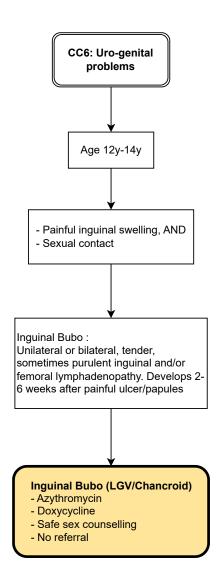
Excluded by: Pelvic inflammatory disease

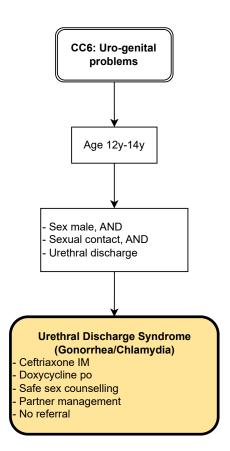


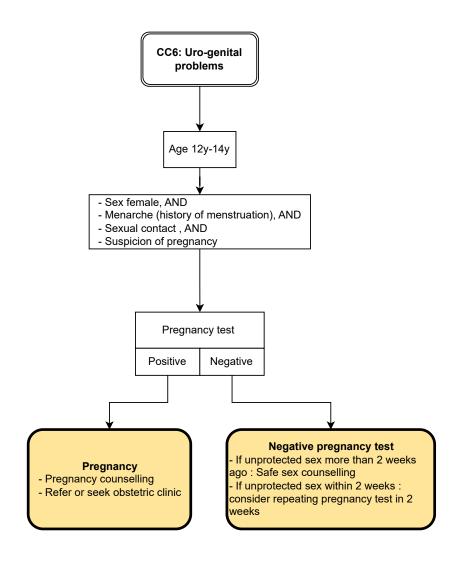


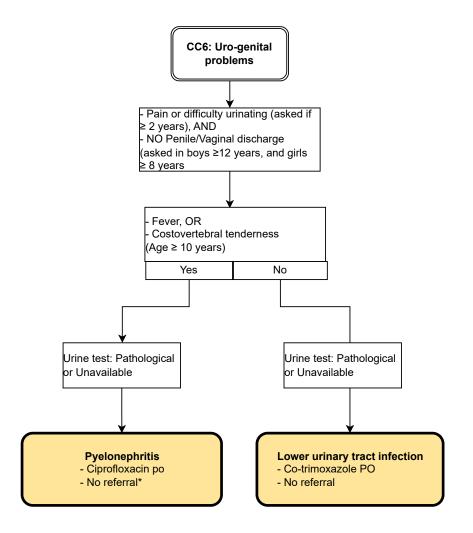




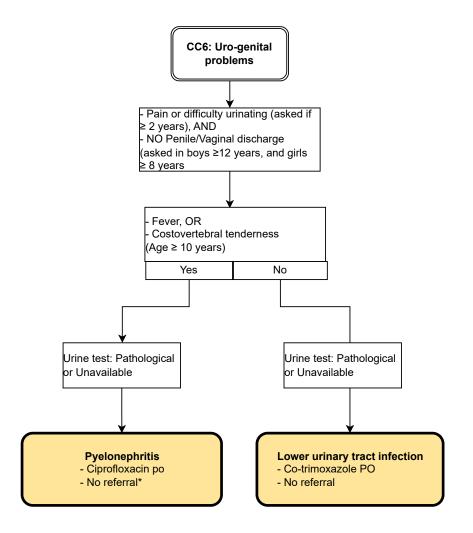




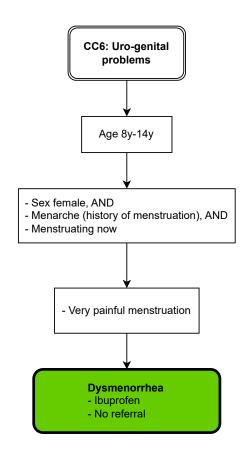


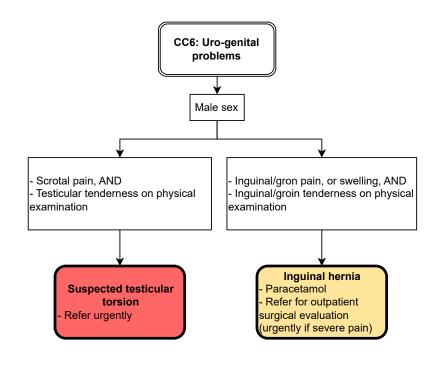


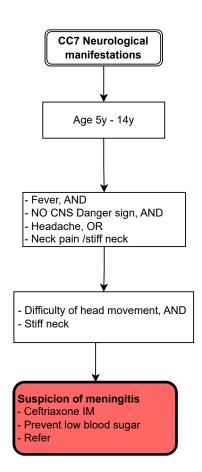
* Referral + IV treatment if oral intake not possible and referral for children with no improvement (persisting dysuria and fever or costovertebral pain) following 3 days of antibiotic treatment for UTI or pyelonephritis.

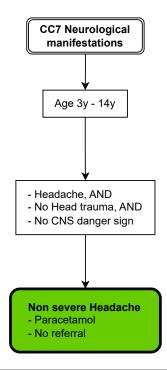


* Referral + IV treatment if oral intake not possible and referral for children with no improvement (persisting dysuria and fever or costovertebral pain) following 3 days of antibiotic treatment for UTI or pyelonephritis.

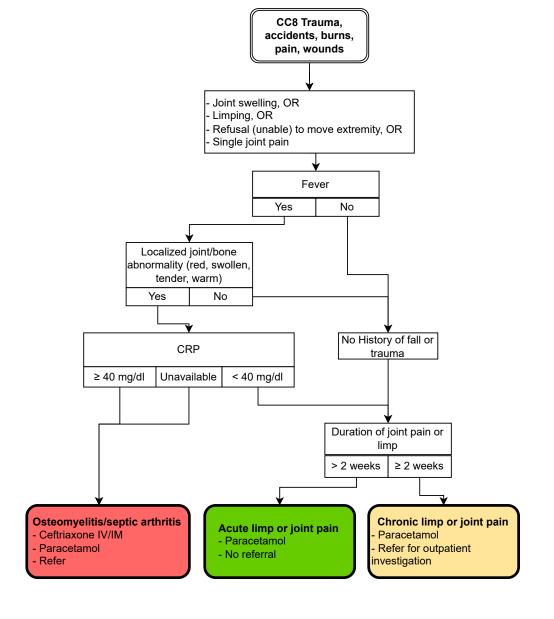


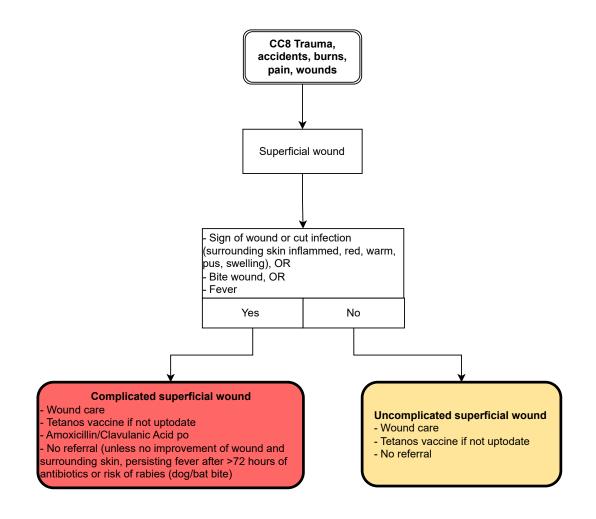


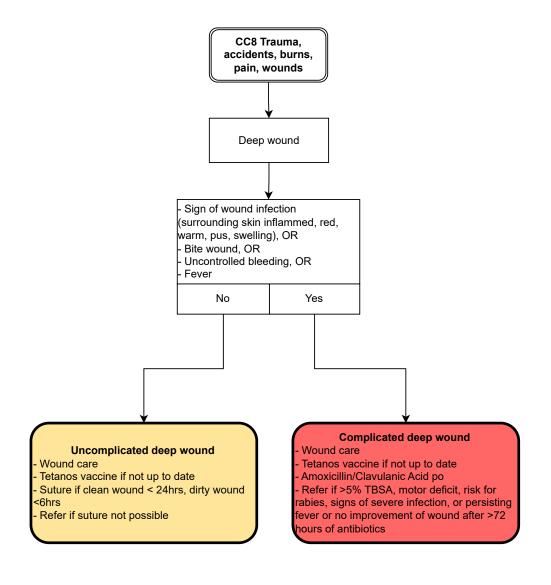


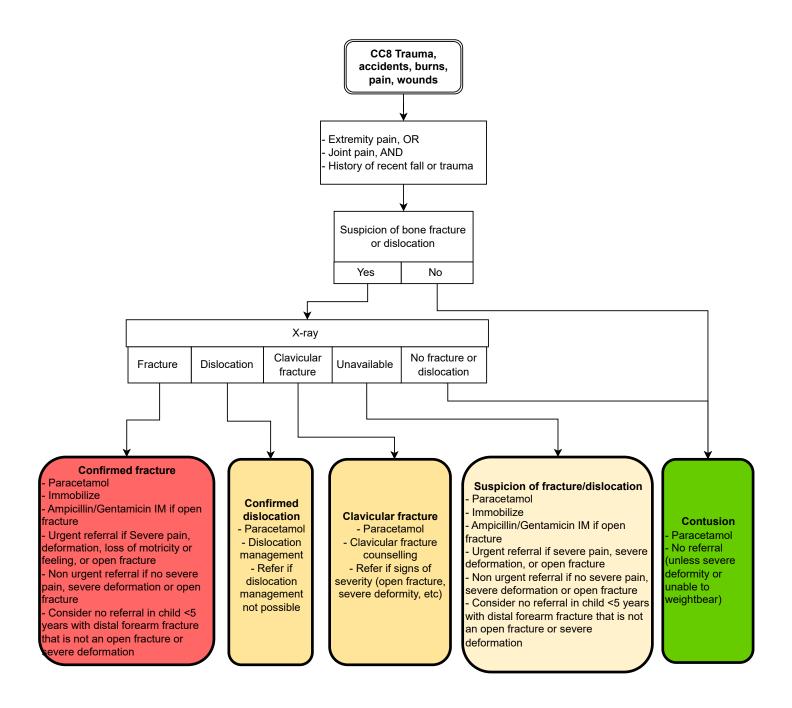


Excluded by: Suspicion of poisoning, major trauma, Major/moderate/minor head injury, Carbon monoxide poisoning, Inhalation injury, suspicion of poisoning, Osteomyelitis/septic arthritis, anaphylaxis, complicated chicken pox, severe complicated measles, non specific viral rash, Severe eye disease, orbital cellulitis, mastoiditis, complicated acute ear infection, pelvic inflammatory disease, pyelonephritis, severe dehydration, moderate dehydration, severe abdominal condition, complicated prolonged fever, uncomplicated malaria, severe suspected malaria, severe malaria, suspected meningitis, very severe febrile disease, CNS Danger signs, severe anemia, complicated severe acute malnutrition

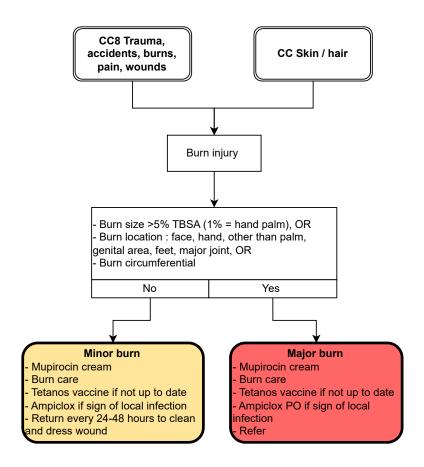


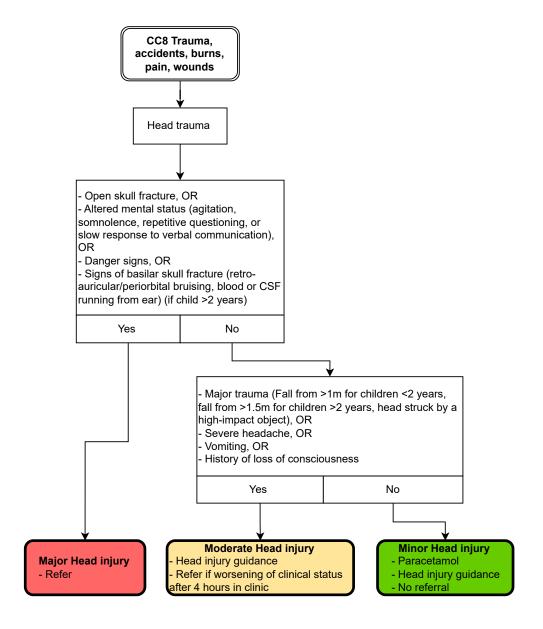






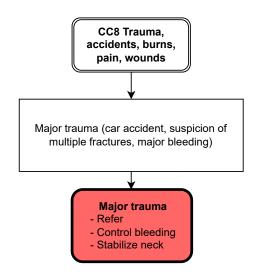
Contusion excluded by major trauma

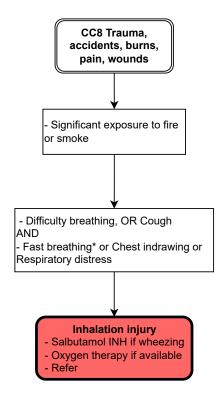




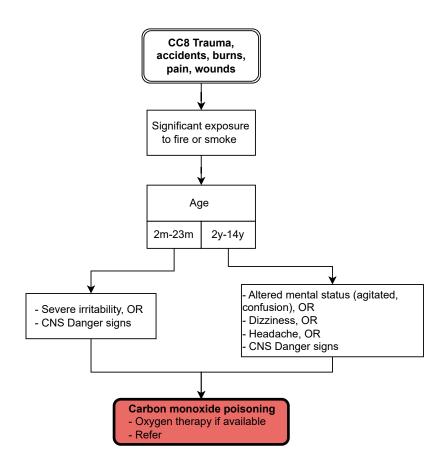
Exclusions:

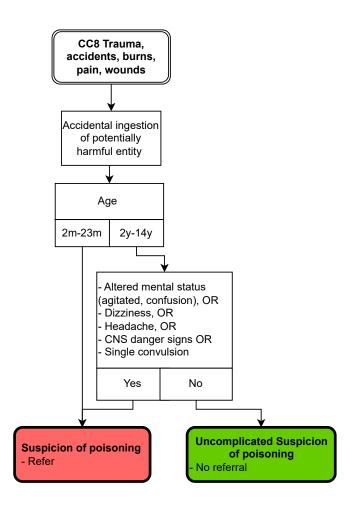
Moderate head injury excluded by major head injury and major trauma Minor head injury excluded by major and moderate head injury; and major trauma

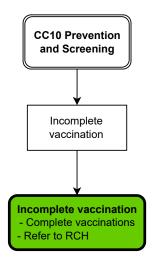


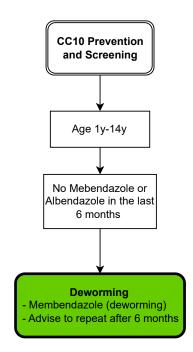


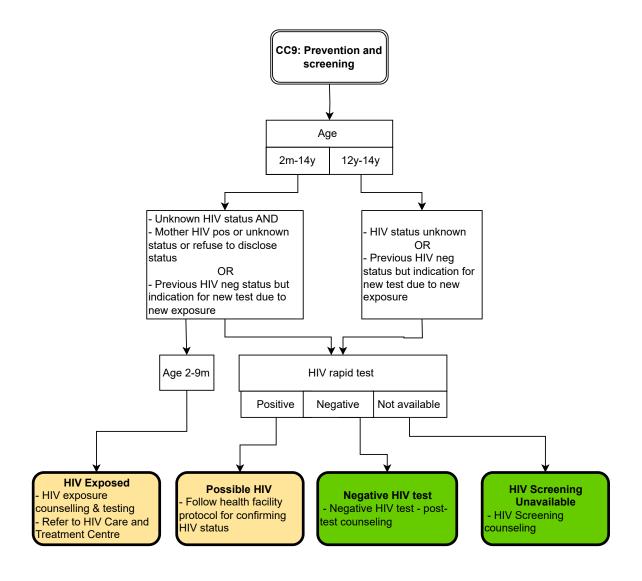
*Fast breathing: Respiratory rate 2-11m ≥50/min, 12-59m ≥40/min, 5-12y ≥30/min, 13-14y ≥20/min



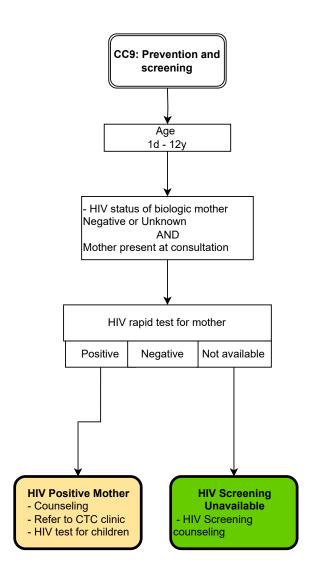


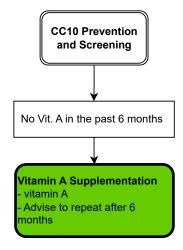






*HIV rapid test only performed in children above 9 months





Exclusions:

Excluded by: Measles, Severe complicated measles, or persistent diarrhea

