Measles Diagnostic Testing Decision Tree

- **Test Not Done**
  - Meets measles case definition?
    - No: 
      - Not Measles
      - Consider Rubella
    - Yes: 
      - Epi-linked to a confirmed case?
        - No: 
          - Confirmed Case
        - Yes: 
          - IgM Pos

- **IgM Test Results**
  - IgM Negative
    - Timing of Serum Collection
      - < 3 days after rash onset: 
        - Retest at 3-28 days
      - 3-28 days after rash onset: 
        - Unable To Re-test
      - > 28 days after rash onset: 
        - Not Measles

- **IgM Pos**
  - Confirmed Case

Measles Contact Follow-Up Decision Tree

- **Not Immune**
  - Consider Immunocompromised or HIV + as Not Immune
  - Pregnant, HIV+, Immunocompromised, infants < 6 months old, household contacts and infants 6 - 12 months old who have been exposed >72 hours
    - YES: 
      - Recommend IG
    - NO: 
      - Vaccinate if not contraindicated
      - Develops measles symptoms or refused vaccination
  - Are in school, health care facility, or correctional facility setting?
    - YES: 
      - Exclusion until 3 weeks after the last exposure or until 5 days after rash
    - NO: 
      - Are in school, health care facility, or correctional facility setting?
        - YES: 
          - Exclusion until 3 weeks after the last exposure or until 5 days after rash
        - NO: 
          - No further action unless measles symptoms occur

- **Recommend IG**
  - Received IG?
    - YES: Measles Immunity
      - A. Born before 1957
      - B. 2 doses of MMR: dose one, on or after 12 months of age; dose two at least 28 days after the first dose.
      - C. Serological evidence of measles immunity.
      - D. Physician documentation of having had measles disease.
    - NO: 
      - Exclusion until 3 weeks after the last exposure or until 5 days after rash
  - Exclusion until 3 weeks after the last exposure or until 5 days after rash

- **Immune**