**Overview**

**Virology**
- Flavivirus
- 4 Serotypes (DENV1-4)

**Epidemiology**
- Many infections =Ø Sx’s
- Secondary Infection with different serotype often more severe
- ? Antibody-dependent enhancement (ADE)

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**DENGUE Clinical Manifestations**

**Phases**

- **Febrile**
  - Headache
  - Rash/Petechediae
  - Myalgias
  - Minor Bleeding

- **Critical**
  - Plasma Leakage
  - Shock
  - Severe Bleeding
  - Not present in Dengue w/o warning signs, only small % progress past febrile phase

- **Recovery**
  - Fluid Resorption
  - Fluid Overload

- Incubation = 3-5d

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**Classification**

- Dengue w/o warning signs
- Dengue w/ warning signs
- Severe Dengue
  - Plasma Leakage
  - Bleeding
  - Organ Impairment

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**Dx**

**Early (<5d)**
- PCR
- NS-1 Antigen

**Later (>5d)**
- IgM
- IgG (4-Fold ↑)

**DDx**

- Arboviruses
  - Zika & Chikungunya
- Other
  - See “Fever in Returning Traveler” Schema

**Tx**

- Supportive
  - Mosquito Avoidance
- Prevention
  - (See WHO Guidelines)