

# VIROLOGY LECTURE

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# Hand-Foot & Mouth Disease

## Viral Etiology

- Coxsackie A viruses
- I.P.: 3- 7 days

## Transmission:

- Fecal –oral route & respiratory droplets

## Age:

- Children

## Symptoms:

- Fever
- Malaise
- Multiple vesicles and ulcers appear on the tongue, buccal mucosa, in association with vesicles or papular rash on the palm of the hands, sides and back of the finger sand planter of the foot

# Hand-Foot & Mouth Disease

## Prognosis:

- Self-limiting disease
- Recovery is usual

## Treatment:

- There is no specific anti-viral drug therapy

## Lab Diagnosis:

- Isolation of the virus in tissue culture, followed by identification of the isolated virus
- At least four-fold increase in the Ab titre.

# Herpangina

## Viral etiology:

- Coxsackie A virus
- I.P.: 3 – 7 days

## Transmission:

- Fecal-oral route & respiratory droplets

## Age:

- Children

## Symptoms:

- Fever
- Sore throat
- Cervical lymphadenopathy
- Small vesicles and ulcers develop on the soft palat, uvula, tonsils and pharynx

# Herpangina (Continued)

## Prognosis:

- Self-limiting disease
- Recovery is usual

## Treatment:

- There is no specific anti-viral drug therapy
- Treatment is supportive

## Vaccine:

- No vaccine is available yet

## Lab Diagnosis:

- Isolation of the virus in tissue culture, followed by identification of the isolated virus
- At least four-fold increase in the Ab titre.