

LIFE-THREATENING ENTEROVIRUS INFECTION

**NOPPORN APIWATTANAKUL
DIVISION OF INFECTIOUS DISEASES
DEPARTMENT OF PEDIATRICS, RAMATHIBODI HOSPITAL**



Outline

Introduction to enterovirus

Atypical Hand-Foot-Mouth disease

EV71 Encephalitis

Myopericarditis

Neonatal enterovirus infection

Enterovirus

Virology

- Picornaviridae (27 nm)
- Single-stranded RNA (positive strand)
- Nonenvelop
 - resistant to alcohol, chloroform, ether

Enterovirus

Virology

- Polioviruses (type 1, 2, 3)
- Nonpolioviruses
 - Coxsackie A (23)
 - Coxsackie B (6)
 - Echoviruses (28)
 - Others (5) ; including EV D68, EV A71

Enterovirus

Virology

- Four species
 - Group A : Coxsackie virus A16, enterovirus A71
 - Group B : Coxsackie virus B6, echoviruses
 - Group C : Coxsackie virus A1, polioviruses
 - Group D : Enterovirus D68, enterovirus D70