

ASPERGILLOSIS

Koonkoaw Roekworachai MD.
Pediatric pulmonary & critical care
Fellow

Ramathibodi Hospital



Aspergillus

- Ubiquitous environmental mold live in **soil and decaying vegetation**
- About 180 species, some have been reported to cause clinical infection or allergic disease



Aspergillus

- Infective components are **conidia**
- *A. fumigatus* conidia size **3-5 μm** that can penetrate to **distal airways**
- Incubation period : **2 days – 3 months**
- Spores germinate and grow in the mycelial phase by extension of **7-10 μm septate hyphae** that branch at **an angle of 45 degrees**



Aspergillus

Gomori Methenamine Silver (GMS)
stain

Aspergillus

