

ASPERGILLOSIS

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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

