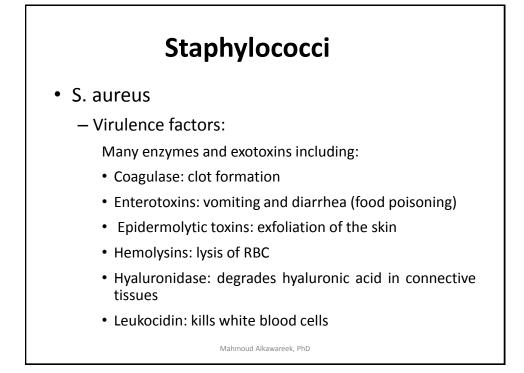


Staphylococci S. aureus Normal flora in many humans; especially on skin and nose and groin Most virulent species in this genus Infections acquired from endogenous or exogenous sources Produces carbohydrate capsules and slime (biofilm) Can cause variety of infections including skin infections (e.g. boils, carbuncles, and abscesses), lung infection, osteomyelitis, arthritis, endocarditis and septicemia Most strains resistant to penicillin but susceptible to methicillin group. However number of MRSA strains is increasing. All but few are still susceptible to vancomycin

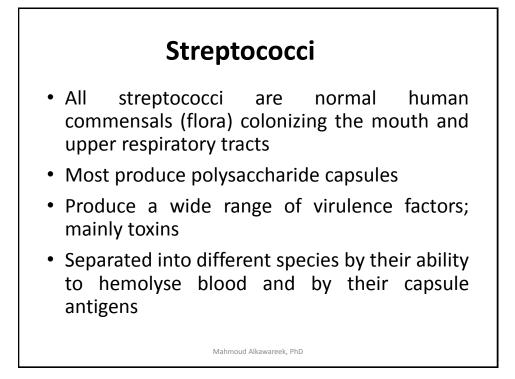
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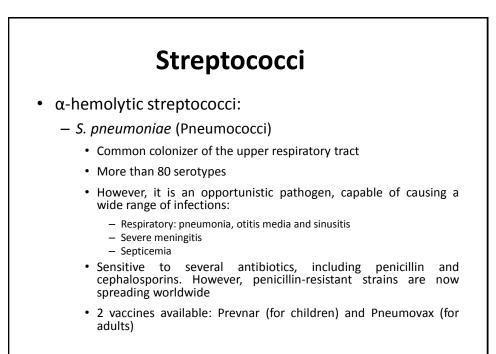


Staphylococci

- CoNS:
 - Weaker pathogens
 - S. spidermidis:
 - Normal flora; mainly on skin
 - Infections mainly in immunocompromised patients (nosocomial infections)
 - Forms biofilm; known for medical device associated infections
 - S. saprophyticus:
 - A common cause of community-acquired urinary tract infections

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