

MEDICAL HISTORY OF PATIENT DI

- Previously healthy child, 1st pneumonia at age of 5 yrs
- Within following 5 yrs 9 episodes of pneumonia
 - fever, WBC >20.000, ↑ CRP, chest auscultation findings
 - 1-2 episodes per year
 - in-between rare symptoms (cough/wheezing), CXR normal
- Mostly left lower lobe
- Sputum cultures: M. catarrhalis, H. influenza, S. aureus, C. albicans
- Chest Radiography: bilateral infiltrations / consolidation
- Treatment: broad spectrum antibiotics for 14-21 days, response to therapy usually within few days

MEDICAL HISTORY

- DOB: 13/05/2000
- Female, term neonate, birth weight: 3600g
- No maternal illness, no neonatal problems, normal detachment of umbilical cord
- Breastfeeding for 1 year
- Immunization history: normal
- History of "bronchiolitis" at 6 months age
- No severe childhood diseases

FAMILY HISTORY

- Father: intermittent asthma
- Mother: healthy
- Older brother: allergic conjuctivitis/asthma
- Home environment: no smoke, no pets, no carpets, central heating

PHYSICAL EXAMINATION

- Growth charts: 50th percentile, maturational milestones in time
- Normal appearance, no signs of chronic disease (eczema, facial dysmorphies, pallor, no finger clubbing)
- S1, S2 normal, sinus rhythm
- No lymphadenopathy
- Normal cognitive status and neuromotor development

DIFFERENTIAL DIAGNOSIS

- Anatomic abnormality: eg, foreign body, bronchial compression by mediastinal adenopathy or vascular anomaly, bronchiectasis, bronchial cyst
- Chronic Disease: cystic fibrosis, immotile cilia syndrome, recurrent aspiration
- Immunodeficiency
 - Secondary: Underlying disease states like HIV/AIDS, diabetes mellitus, malignancy or nephrotic syndrome, immunosuppressive drugs, injury, previous surgical procedures, prematurity
 - Primary: Overall incidence 1/10,000: B cell, T cell, complement, phagocytic cell, compined















