



Andres Felipe Zea-Vera

- 27 year-old African-Colombian
- Former Colombian military
- Left chest pain, fever and cough with greenish expectoration of five days

#### Past medical History:

- Respiratory infections since aged 22 years
- At least 2 pneumonias per year
- Multiple hospitalizations



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## Treatment

- Cefepime + Clarithromycin

## Blood and Sputum Cultures

- *Streptococcus pneumoniae*

# INVASIVE PNEUMOCOCCAL INFECTION HIV NEGATIVE

## Clinical Immunology evaluation



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IgG 115mg/dL, IgA <5mg/dL and IgM<5mg/dL

B lymphocytes 264 cells/ $\mu$ L (100-500)

CD4+ T lymphocytes to 910 cells/ $\mu$ L (300-1,400)

CD8+ T lymphocytes to 435 cells/ $\mu$ L(200-900)

HBsAg positive

HBV VL 350.400 IU/mL

anti-HBc negative

Normal ALT &AST

HBeAg positive

## **COMMON VARIABLE IMMUNODEFICIENCY (CVID) WITH CHRONIC IMMUNE TOLERANT B HEPATITIS.**



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# CVID and Chronic B Hepatitis: How should be treated?

- When start IVIG?
- Hepatitis B surface Ab  $426 \pm 94.8$  IU/mL
- **Risk of Serum sickness??**
- Antiviral Therapy?
- Goal: HBV viral load (reduction?) or HBSAg

