



Welcome & Case Study Introduction

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Has the following disclosures to make:

- No conflict of interests
- No relevant financial relationships with any commercial companies pertaining to this educational activity





Case Study: Evaluation of Immigrant Family from Eritrea



Case Study

04/30/2019: 37 year old male from Eritrea (speaks Tigrigna) entered U.S. in 10/15/2016. He had no record of TB evaluation at time of entry into the U.S. and he had no history of prior TB.

He was admitted to University Hospital in San Antonio, Texas on 04/29/2019 with a 4-month history of a dry cough, feeling poorly, and weight loss.

Weight decreased from his usual weight of 63 kg down to 54 kg

He denied fever, night sweats or hemoptysis



Eritrea





Father: highly infectious pulmonary TB



**32-year-old
female
Wife/Mother**



**17-mo-old
Male**



**3-year-old
Male**



**4-year-old
Female**



**13-year-old
Female**



**15-year-old
Male**





Father: highly infectious pulmonary TB



32-year-old
female
Wife/Mother

Coughing
Lost Voice
Weight loss
5/2/19
TSpot +



17-mo-old
Male

Chronic cough
< 10% on
growth curve
5/4/19
TST + 14 mm



3-year-old
Male

Well
40% on
growth curve
5/4/19
TST + 15 mm



4-year-old
Female

Chronic cough
50% on
growth curve
5/4/19
TST + 18 mm



13-year-old
Female

< 3% on
growth curve
Cough x1 month
BMI 16.5
5/2/19
TSpot +



15-year-old
Male

< 3% on
growth curve
BMI 17
5/2/19
TSpot +





37 y.o. male Father: **Active TB**



32-year-old female
Wife/Mother

Active TB

Abnormal CXR
Smear –
Culture +
(INH Resistant)



17-mo-old
Male

Active TB



3-year-old
Male

Latent TB
Infection

Normal CXR



4-year-old
Female

Active TB

Abnormal CXR



13-year-old
Female

Active TB

Abnormal CXR



15-year-old
Male

Active TB

Abnormal CXR

