

MEETING ABSTRACT

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Clinical usefulness of T-SPOT.TB in the diagnosis tuberculosis in emergency patients

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Objective

To evaluate the diagnostic value of an interferon-gamma release assay T-SPOT.TB in tuberculosis of emergency patients.

Methods

The emergency patients with suspected tuberculosis received T-SPOT.TB assay in the peripheral blood mononuclear cells(PBMCs).

Results

T-SPOT.TB assay, PPD, anti-TB antibody test, M tuberculosis polymerase chain reaction, acid-fast bacilli stain and cultures for M tuberculosis were positive in 96.8% (31/32), 43.7%(14/32), 21.8%(7/32), 15.6%(5/32), 13.0% (3/23) and 4.3%(1/23), respectively, of patients with active tuberculosis. The sensitivity and specificity of the T-SPOT.TB were 96.8% and 98.3%.

Conclusions

T-SPOT.TB assay is a rapid and high-sensitive tests for diagnosing tuberculosis in emergency patients.

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