



Current Issue

Browse Issues

Search



About this Journal

Instruction to Authors

Online Submission

Subscription

Contact Us

RSS Feed

Acta Medica Iranica

2009;47(4) : 98-100

Original Article

Utility of Acid-Fast Staining in Tubercular Lymphadenopathy Compared to Cytopathology

AJ Abedi¹, Z Khan¹, N Khalique¹, U Fatima², N Afroz²

¹Dept. of Community Medicine, JN Medical College, Aligarh Muslim University, India

²Dept. of Pathology, JN Medical College, Aligarh Muslim University, India

Corresponding Author:

AJ Abedi
Tel: 9219510553,
E-mail: alijafarabedi@rediffmail.com

Received: December 19,2007

Accept : July 16,2008

Available online: September 28,2008

Abstract:

Background: Lymphadenitis is a common form of extra-pulmonary tuberculosis. As in peripheral health centers, the facilities for histopathology and culture are lacking, material obtained by fine needle aspiration (FNA) in suspected cases of tubercular lymphadenitis (TBL) cid Fast Bacilli (AFB) by Ziehl Neelson method as every Designated Microscopy centre under Revised National Tuberculosis Control Programme has facility to perform it. This study was conducted with the aim of establishing the utility of performing AFB on aspirated material at a DMC over performing cytology at a higher centre.

Methods: Fifty eight suspected cases of TBL attending urban health training centre, Dept. of Community Medicine were included in the study. FNA was performed and at least two slides were prepared, one for acid fast staining at centre itself and the other was sent for cytology, in the Dept. of Pathology. SPSS 11.0 was used to data analysis.

Results: 75.9% slides were AFB Positive; there was significant correlation of duration of disease and cytomorphology with AFB positivity.

Conclusion: It was concluded that performing AFB staining at a peripheral centre on material aspirated from lymph nodes could alone be sufficient for diagnosis of tuberculosis in majority of cases.

Keywords:

Lymphadenopathy . *Tuberculosis* . *Acid fast bacilli staining*

TUMS ID: 11883

Full Text HTML Full Text PDF 178 kB

[Home](#) - [About](#) - [Contact Us](#)

TUMS E- Journals 2004-2009
Central Library & Documents Center
Tehran University of Medical Sciences

Best view with Internet Explorer 6 or Later at 1024*768 Resolutions

top ▲