



## **ABSTRACT**

### **OBJECTIVES OF THE STUDY**

#### **GENERAL OBJECTIVE**

To validate an alternative concentration technique for the direct microscopy of cerebrospinal fluid for microbiological diagnosis

#### **SPECIFIC OBJECTIVES**

❖ To compare stained smear results after non centrifugation concentration and routine centrifugation concentration.

❖ To compare the test smear results with the gold standard culture.

❖ To validate the stained smear after non centrifugation concentration technique as a presumptive diagnostic test by comparing with the gold standard of culture positives.

❖ To determine the reliability of reading the stained smear after concentration by the test method.

❖ To validate the stained smear after non centrifugation concentration technique as a presumptive diagnostic test by comparing with the clinical and laboratory criteria for diagnosis.