

**Sudan University of Science and Technology**  
**College of Graduate Studies**

**Diagnostic Utility of Polymerase Chain Reaction,  
Immunohistochemistry and Ziehl-Neelsen Stain in Detection  
of *Mycobacterium Tuberculosis* in Histological Sections**

الاستخدام التشخيصي لتفاعل البوليمريز المتسلسل وكيمياء الأنسجة المناعية وصبغة  
زيل- نيلسن في الكشف عن المتفطرة الدرنية في القطاعات النسيجية

A thesis submitted in fulfillment for the requirement of the degree of PhD in  
Medical Laboratory Sciences (Histopathology and Cytology)

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