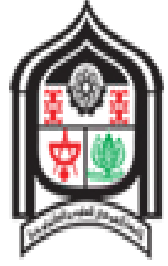




Sudan University of Science and Technology

College of graduate studies



**Assessment of the Blood Flow Among Cardiac Failure Patients Using  
Ultrasonography.**

**تقييم تدفق الدم لدي مرضي فشل القلب باستخدام الموجات فوق الصوتية**

A thesis Submitted for Requirements of

Ph. D Degree in Diagnostic Medical Ultrasound Imaging

*By:*

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