



**Sudan University of Science and Technology**  
**College of graduate Studies and Scientific Research**

**Frequency of Sickle Cell Trait among Relatives of Sickle Cell  
Anaemia Patients in Al-Gadaref State-Sudan**

**تردد حاملي مرض فقر الدم المنجلي غير المصابين بين اقارب المرضى  
فى ولاية القضارف - السودان**

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