بسم الله الرحمن الرحيم

pdan University of Science and Technology College of Graduate Studies



Alanine transaminase, Alkaline Phosphatase and Gama Glutamyltranspeptidase Activity Among Obese Subjects in Khartoum State

نشاط الالانين ترانس أمينيز، الالكلاين فوسفاتيز و القاما قلوتمايل ترانس ببتايديز لدى البدناء بولاية الخرطوم

A dissertation submitted in partial fulfillment for the requirement of M.Sc. degree in medical laboratory science (clinical chemistry)

By: MalakGasm Allah Mohamed

B.Sc Clinical Chemistry – College Of Medical Laboratory Science Khartoum University 2014

Supervisor: Dr. Mariam Abbas Ibrahim

Assistant professor Phd in Clinical Chemistry

2017