

بسم الله الرحمن الرحيم



Sudan University of Science & Technology

College of Graduate Studies

Association of GSTM1Null Gene Polymorphism with Patients of Chronic Lymphocytic Leukemia in Khartoum.

العلاقة بين الانزيم المحول للجلاتثيون ميو1 في مرضى سرطان الدم الابيض العلاقة بين الانزيم الليمفاوي المزمن بالخرطوم.

A dissertation submitted in partial fulfillment for the requirements of the degree of M.Sc. in medical laboratory science.

(Hematology)

Submitted by:

Tasneem Abdurrhman Osman

B.Sc.(honor) Hematology and Immunehematology

Sudan University of Science and Technology (2014)

Supervisor:

Dr. Ibrahim khider Ibrahim

PhD. Hematology and Immunohematology

January (2017)