Sudan University of Science and technology College of graduate studies

Measurement of Neutrophil / Lymphocyte and Platelet / Lymphocyte Ratios as Inflammatory Markers in Cardiovascular Diseases among Sudanese Patients in Khartoum

قياس نسبة العدلات/ الليمفاويه ونسبة الصفائح / الليمفاويه كمؤشر للالتهابات في مرضى القلب والاوعيه الدمويه في السودان محلية الخرطوم

A dissertation submitted as a partial fulfillment for the Requirement of M.Sc. Degree in Medical Laboratory Sciences (Heamatology and Immunoheamatology)

BY

Omnia Mustafa Mohammed Siddig

B.sc. Medical Laboratory Science, Hematology and Immunology, The National Ribat University, 2014

> Supervisor Dr. Selma Elmaleih Abdalla

> > July 2019