

MODULE 2: BLOOD

INTRODUCTION TO BLOOD, STRUCTURE AND FUNCTION AND BREAKDOWN
Functions of Blood
Composition of Blood
Hematopoiesis
Red Blood Cells
Hemoglobin
Erythropoiesis
Breaking Down Red Blood Cells
White Blood Cells and Platelets
HEMOSTASIS
Vascular Spasm
Platelet Plug
Clotting (Coagulation) Cascade
Clot Retraction and Fibrinolysis
Blood Clot Regulation
BLOOD TYPING
Blood Antigens and Antibodies
ABO Blood Group System
Rh Blood Group System
Hemolytic Disease of the Newborn
BLOOD VESSEL STRUCTURE AND ATHEROSCLEROSIS

Arteries and Veins
Portal System
Capillaries
Atherosclerosis
CAPILLARY EXCHANGE
Edema
BLOOD PRESSURE REGULATION AND SHOCK
Blood Pressure Explained
Short-Term Regulation
2.6.3 - Long-Term Regulation
Shock



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