





Capillary Circulation

Capillaries

Capillary Network Characteristics Types of Capillaries Capillary Beds Lymphatic System Blood flows Types Vascular shunt Lymphatic Smallest blood from arterioles classified by directly vessels vessels through diameter/ present b/w connects an metarterioles, permeability arteriole to a capillaries then through venule. permeability capillary Continuous Exchange 3 basic network True · Do not have functions: vessels capillaries fenestrae. Drain excess exchange Venules drain interstitial vessels. network (tissue) fluid Oxygen & Fenestrated back to the bl, nutrients cross Have pores in order to to cells maintain Smooth Carbon muscle in original bl dioxide & Sinusoidal arterioles, volume. metabolic Large metarterioles, - Transports waste diameter with precapillary absorbed fat products cross large sphincters from small into blood fenestrae. regulates intestine to the blood flow bl. - Helps provide immunological defenses against pathogens.