

CHANGES IN TUMOR BLOOD FLOW PRODUCED BY MICROWAVE INDUCED HYPERTHERMIA

Carl H. Sutton, M.D., Frederick B. Carroll
University of Miami
School of Medicine
Department of Neurological Surgery
Miami, Florida 33152

Abstract

Blood flow changes were measured in subcutaneous implants of experimental murine brain tumors using a ^{133}Xe clearance technique. Tumor blood flow was increased by brief periods of moderate hyperthermia, but was decreased by excessive heating.