

A closed-chest animal model was developed in which an "acoustic" window permits the entire heart to be irradiated with the transducer moved slowly on the chest wall. The model is formed by removal of a portion of the fifth rib, incision of the pericardium, and attach-

ment of the incised edges to the thoracic wall to retain the inter-

vening lobes of the left lung. A catheter filled with heparinized Ringer's solution is inserted into the left atrium via the atrial vein to provide potential benefit.

Studies of the regional coronary blood flow in normal and acute myocardial ischemic areas of the canine myocardium. A mechanical effect associated with microacoustic streaming would be an attractive mechanism of action of ultrasound on regional coronary blood flow in normal and acute myocardial ischemia. A study is in progress to evaluate the effect of a therapeutic ultrasound frequency may be altered by low levels of therapeutic ultrasound. A study is in progress to evaluate the effect of a therapeutic ultrasound frequency. Some preliminary studies in our laboratories have suggested that coronary blood flow distribution in normal myo-

cardium may be altered by low levels of therapeutic ultrasound. A study is in progress to evaluate the effect of a therapeutic ultrasound frequency. Some preliminary studies in our laboratories have suggested that an increase in flow results from the hyperemia associated with tissue absorption of the skeletal muscle have indicated that an increase in flow results from the effects of the therapeutic ultrasound on blood flow to provide potential benefit.

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AND ISCHEMIC CANINE MYOCARDIUM
EFFECT OF ULTRASOUND ON REGIONAL CORONARY BLOOD FLOW IN NORMAL
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further or the
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elevated mortality
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SIKOV AND B.P. HILDEBRAND

