

TUMOR ANGIOGENESIS

January 6, 1970

1. Dr. Richard Field who is at the Retina Foundation, 20 Stanford St., Boston, called and wants to do a collaborate project on the neovascularization which is seen in diabetic retinopathy. They have observed that vessels grow out into the vitrius like fronds and, therefore, have to be new vessels and could not be just dilated ones. They grow at about one mm. per week.

Dr. Scapins has observed that when he does eye surgery on these patients such as scleral buckling he is often discouraged to find rapid neovascularization within a week through the vitrius.

They are interested in studying the fluid in the vitrius and at the time of operation about 1/2 cc. of this is removed.

Our approach to this would be to add a ribonuclease inhibitor to it betanite and then infuse it into our egg system.

If vessels are produced, the next step would be to check its characterization against RNA-ase, trypsin, subtilisin, etc.