

TUMOR ANGIOGENESIS

Today Dr. Sheldon Buzney's experiments showed that the interstitial fluid draining from a Walker tumor in a rat when concentrated and then dialyzed so that the osmolarity is 250 will produce a beautiful 2 plus neovascularization reaction in a plant put into a rat given depomedrol.

This is an amazing demonstration of the transfer of T.A.F. through millipore filter across a great distance and it is an extension of Greenblatt and Shubik's work and further confirms the fact that there is a humoral factor and that cell contact is not necessary.

He will have to do the controls in which he uses plain interstitial fluid and he will also have to look at the cells which come through the millipore filter and make sure they are eliminated.

This also implies that there may be ribonuclease inhibitors secreted by the tumor which protect T. A.F. from being destroyed instantly.

Another control would be to implant one of his millipore filters in the space of a regenerating rat liver and see if he can repeat the same experiment.

A potential paper could be written.

"ANGIOGENESIS ACTIVITY IN THE INTERSTITIAL FLUID OF WALKER CARCINOMA
By Buzney and Folkman

Ask Dorothy to do the RNA content of the interstitial fluid and compare it to the RNA content of normal interstitial fluid after it has been concentrated.