A Study into the Possibility of Differentiating Hereditary from Non-hereditary Retinoblastoma

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(No report received.)

Discussion

Brenkman: When choosing your methods of investigation for arriving at a differentiation between hereditary and nonhereditary retinoblastoma in tissue culture, did you consider the use of autoradiographic techniques, as these may afford accurate data on the mitotic activity of cells and tissues? If not, for what reason have they not been applied?

Prop: Autoradiography belongs to the standard methods in our laboratory. We did not use this method for our problems because (1) we simply have not enough cultured material available to do a statistically justified analysis of the cellular cycle; (2) we know that the parameters of the cellular cycle may be subject to changes in these usually rather short-lasting cultures (several weeks), and (3) because we did not receive inducement from results obtained to give special attention to the mitotic cycle; on the contrary, we have the impression that, independently of the heritability or nonhereditability of the tumor and the growth pattern connected with it, there are rather great differences in mitotic activity.