

Dinamic Study of Home Made Scincillation Camera 8 mm. Cine Camera

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It has been very popularizing that static images, as a scintigram of liver by ^{198}Au -colloid and as a scintigram of kidney by ^{203}Hg -neohydrin. But recently, new diagnostic method of dinamic study has been developing, which is intravenaus radiopertechnetate transit study.

Our method of dynamic study is to take a image by 8 mm cine camera, that image get from memory tube which is controlled by same signal of the time lapse camera. So that the image is erased by this time lapse signal, because we can observe integrating's dot to image which within at intervals previously set up.

We studied on these dynamic study by 8 mm cine camera for cerebrum, heart and kidney. Especially as the intracranial disease, we examined for blood flow of the intracranial circulatory system as follows.

We have obtained very usefull double curves for diagnosis after intravenaus one shoot injection of $^{99\text{m}}\text{Tc}$ -pertechnetate 10 mCi. (about 1.5 ml), these double curves are recoded by dotting count of left and right side of the brain image which are divided by median line, besides cut out of Reid's base plane.

Continuously this dynamic study, we used to taking a static brain image of five positions after intravenous injection about fifteen minutes, as the first series, these five positioning are anterior, posterior, left lateral, right lateral and vertex position. Once more taking of first series the same four method and continuously after taking of first series. It takes about one hour to get these dynamic and static examination.

Our diagnostic ability have been improved by above method.