

## POTASSIUM IODIDE BLOCK OF CHOROID PLEXUS VISUALIZATION IN TECHNETIUM BRAIN SCANS

Visualization of the choroid plexus in  $^{99m}\text{Tc}$ -pertechnetate brain scans may occasionally interfere with scan interpretation. Premedication with perchlorate will block choroid plexus uptake of pertechnetate. Because perchlorate is not FDA-approved for general use, an acceptable substitute was sought. Since April 1969 we have used potassium iodide with uniformly good results.

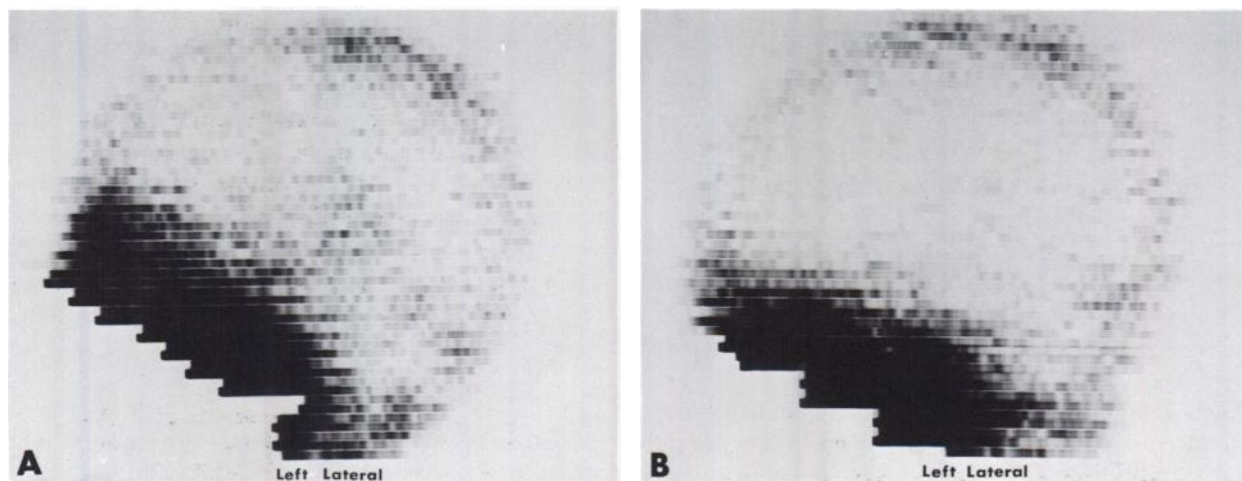
It has been shown (1) that Lugol's solution given 24 hr before the injection of sodium pertechnetate will only partially block choroid plexus uptake. We have routinely administered orally 10 drops of saturated solution of potassium iodide  $\frac{1}{2}$ -4 hr before

injection of sodium pertechnetate (excluding those patients with a history of iodine sensitivity) and have obtained uniformly good block of choroid plexus uptake. Figure 1 shows a typical example of our experience.

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### REFERENCE

1. WITOFSKI RL, MAYNARD CD, JANEWAY R: Visualization of the choroid plexus on the technetium  $^{99m}$  brain scan. *Arch Neurol* 16: 286-289, 1967



**FIG. 1.** A is left lateral  $^{99m}\text{Tc}$  brain scan showing visualization of choroid plexus. B is repeat left lateral  $^{99m}\text{Tc}$  brain scan

after oral administration of potassium iodide showing block of choroid plexus visualization.