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Intravenous Video Arteriography of the Intracranial Vasculature: Early Experience

A noninvasive ultrasonic technique developed by members of the University of Wisconsin Medical Physics Section was used for 10 months to perform an intracranial arteriography in patients with cerebral arteriovenous malformations. To date, this method has been used in 100 patients, of whom 90 were considered to have arteriovenous malformations, 5 had other intracranial lesions, and 5 had normal intracranial vessels.

Materials and Methods
For evaluation of intracranial vessels, using two-dimensional echography is performed. An image obtained before the injection of contrast material is stored in a computer, and a new image is obtained immediately after the injection of contrast material. The difference between these images is then visualized on the computer screen.

Computed Tomography in 75 Clinical Cases of Syringomyelia

Seventy-five patients with clinical diagnosis of syringomyelia underwent computed tomography after intravenous injection of contrast material. In 16 patients, the lesion was a cystic lesion, and in 15 patients, the lesion was a solid mass. In 49 patients, the lesion was a combination of a cystic lesion and a solid mass.

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References