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Cost-Effective CT & MRI Contrast Agents





Celebrating 35 Years of the AJNR: November 1985 edition

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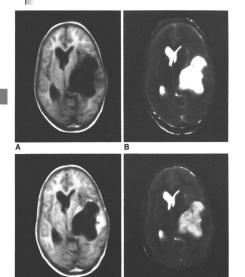
Celebrating 35 Years of the AJNR

November 1985 edition

Contrast-Enhanced MR Imaging of Malignant Brain Tumors

Moshe Graif¹ Graeme M. Bydder¹ Robert E. Steiner¹ Peter Niendorf² David G. T. Thomas² Magnetic rescnance (MI) insaling was performed before and serially after intravenous injection of 1 modifying adoclinum-OTA (Schering) in 17 patients with clinical and histologic diagnoses of malignant cerebral tumors. There was a decrease of 1% in 17 and 15% in 12 in normal great matter and decrease of 15% in 17 and 15% in 12 in normal grey matter. Contrast enhancement was observed in 16 of the 17 tumors. In the region of mazarial enhancements of an educacess of 15% in 17 and 15% in 12 in ormal grey matter. Contrast enhancement was observed in 16 of the 17 tumors. In the region of mazarial enhancements in 17 of 20% was seen in high-malignancy gloons, as mean decreases of 15% was seen in high-malignancy gloons, and the second of the second contrast of the second of the second

The value of contrast enhancement was recognized soon after the introduction of crains ICT [1]. The situation with magnetic resonance (MR) imaging is more complex. A greater level of soft-lissue contrast is available without contrast enhancement, and, unlike CT, no contrast agents suisible for parenteral evera available when the technique was first introduced. Nevertheless, particular situes have been defined, such as differentiation between turnor and edema, where contrast enhancement might be useful [3, 4], and recently the paramagnetic contrast agent gasfolinium-DTPA has been tested in animals [5, 6] and used in



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Cavernous Sinus Invasion by Pituitary Adenomas

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preoperatively by high-resolution computed tomography (CT). As surger, evidence of idence clavemous sixus invasion was demonstrated in 15. CT findings in these cases included covernous sinus expansion (17 patients) and visible encasement of the internal carcilia draw (14 patients). The invasive tumor often evidence to all seves degrees that execution are considered to the control of the contro



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