

Providing Choice & Value

Generic CT and MRI Contrast Agents





Celebrating 35 Years of the AJNR: May 1983 edition

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Celebrating 35 Years of the AJNR

May 1983 edition

The Application of NMR Imaging to the Evaluation of Pituitary and Juxtasellar Tumors

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Result

Insurance clearly the presence and size multiplanar facility was most valuable tension. All tumors visualized by NMR ue and all except one were homogener some of the fossa could not be seen, be floor could be observed to be seen.

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R. C. Hawkes,¹ G. N. Holland,^{1, 2} W. S. Moore,¹ R. Corston,³ D. M. Kean,⁴ and B. S. Worthington⁴

nagnetic resonance (NMR) imaging was used to eval-ry and juxtasellar tumors in 37 patients representing te of pathology. The value of the multiplanar facility emphasized in providing accurate volumetric infor-establishing the topographical relation of tumors to rutures. Current limitations of the method and pos-developments to improve diagnostic precision are

Ion of pibultary and parapitultary lesions can be parti-ing because clinical manifestations, including visual endocrinological disturbances, may cocur when the its early stages. Appropriate management demands Juzation and a distinction among various pathologies so propriate operative route or field for irradiation can be Early detection of upursatility actionation of pibultary is particularly important in preventing visual loss in account of the strength of pansion [2]. Follow-of radiotherapy or dr anny, computed tomography (C puturary region 12–5). Despite the high q available, it is sometimes difficult to detern to learnabile actionsion of pluturary tumor, roadenomas, invasive procedures are often uspected diagnosis of entry bed a syndrom etationship of any mass to the optic chiasm

and Methods

netic resonance tw... (SSFP) techniques were p.v... unit on 10 normal volunteers and 3 in the pitultary region at the Queen The cases studied comprised 12 dh free acromegaties; four craniopha protactionema, juxtasellar aneurysm - "sch of recurrent chordroma. - "sch of recurrent chordroma ton nuclear magnetic re free precession (SSFP) NMR

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Preliminary Clinical Results of Proton ('H) Imaging of Cranial Neoplasms: In vivo Measurements of T_1 and Mobile Proton Density

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The study population co d three patients with rela

study. Haliopathologic confirmation of the diagnoses we in air patients. NMR images were obtained using a prototype hes system developed by Tachnicare Core, Sidon, OH, A system developed by Tachnicare Core, Sidon, OH, A reading and the system of the system of the reading of the system of the system of the system reading of the system of the system of the system wind the combined radiofrequency (RF) pulse sequence doubt reading (E). Poliprocessing of the data allows on tion of mages in any arbitrary plane, including levels cor w how and CT scars. Reconstruction of data time on the system of the system of the system of the data allows of the system of In any additary panet, including inverse corre-T scans. Reconstruction of data from a si-technique with the 90°–90° interpulse dela ties images where the signal intensity is in oblie proton density (PD). Reconstruction of recovery (IR) type of sequence with the 1 a_{7} rset to 400 msec provides images that an 1 sec g

Results and Discussion

Figure 1 contains representative images through a ventricular plane in a normal volunteer. The image that approximates PD (fig. 1A) has uniform signal intensity within the brain parenchyma but

