

## Get Clarity On Generics

Cost-Effective CT & MRI Contrast Agents





# Celebrating 35 Years of the AJNR: September 1985 edition

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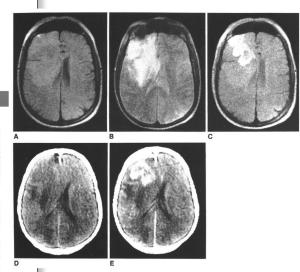
### Celebrating 35 Years of the AJNR

September 1985 edition

### Gadolinium-DTPA in MR **Imaging of Glioblastomas** and Intracranial Metastases

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The advent of magnetic resonance (MR) imaging has broadened the spectrum of diagnostic methods in radiology, Clinical experience with MR imaging of the brain a commission grighly. It has privately been shown that the diagnostic post the format in activation of the central nearous system is comparable to that of computed of MR for lesions of the central nearous system is comparable to that of computing superior to CT (in g., in posterior fossa tumors and brainstein tumors) (6-9). The use of localized contrast experience for the central production of the centr



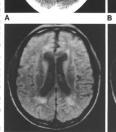
#### MR Imaging of the Aging **Brain: Patchy White-Matter Lesions** and Dementia

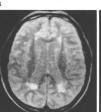
The unprecedented sensitivity of magnetic resonance (MR) impathologic alterations of the central nervous system (1-5) has yearuls when applied to the aging brain. For instance, 20%-30% the age of 65 demonstrate patchy, deep white-matter foci of intensity when examined by MR (5). Because these flood appear foci are virtually absent in normal individuals under age 50, they in the aging process. One possibility is that they are of it significance. Another alternative is that the foci are both pathol significant, since they match the distribution of perviventricular lux often with computed tomography (CT) in aged patients with attract in patients with matter and in patients with multifarflact demantal (6-11). If these deep secondary to inchemia.

that these lesions are an MR marker of cognitive change is the analysis.

It is currently estimated that of the more than 24 million elderl have severe dementia and 10% have mild to moderate demer likely that the number of elderly with dementia will increase in the median age of our population increases. Dementia care dysflunction in more than one of the four major cognitive abilities of cognitive abilities of normal aging. Diagnostic is including CT, have generated controversy regarding their ability parenchymal changes due to normal reseascence (18–21). Likevise, the correlation between those changes observed with CT (e.g., enlarged ventricles) and detectable loss of cognitive function has been unconvincing (22–27).

It is currently believed that 50% of senile dementias are of Alzheimer type







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