

## Providing Choice & Value

Generic CT and MRI Contrast Agents





# Celebrating 35 Years of the AJNR: September 1983 edition

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### Celebrating 35 Years of the AJNR

September 1983 edition

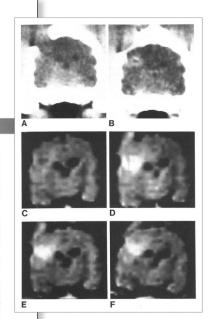
#### **Brain Nuclear Magnetic Resonance Imaging** Enhanced by a Paramagnetic Nitroxide **Contrast Agent: Preliminary Report**

Phillip Sheldon'

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This article appears in the September/ October 1983 have of Aller and the September of Contrast-enhancing pharmaceutical agents may extend the diagnostic capabilities of nuclear magnetic resonance (NMR) imaging. Paramagnetic substances tested as NMR contrast agents include the ions of manganese and ions and nitroxide stables from a rolled sheet of Aller accepted after residue. Potaway 14, 1983.

These article appears in the September/October 1983 have of AlMR and the November 1983 have been always to a contrast agent the advantages and disadvantages of AlmR and the November 1984 have been always to a contrast agent these advantages and disadvantages of AlmR and the November 1984 have been always to a contrast agent these advantages and disadvantages of AlmR and the November 1984 have been always to a contrast agent these advantages and disadvantages and the AlmR and the November 1984 have been always to a contrast agent these advantages and disadvantages and the November 1984 have



### Gadolinium as a Contrast Agent for NMR

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Presented at the XII Symposium Neuroradiolo-cum, Washington, DC, October 1983.

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Gadolinium chloride (GdCl<sub>3</sub>) was studied as a contrast agent for nuclear magnetic resonance. This rare-earth element dramatically afters proton resonance (paramagnetic moment = 10.08 both magnetics). Acute boxicity was determined by infrareeross remained to the proton of the proto

