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Generic CT and MRI Contrast Agents





Celebrating 35 Years of the AJNR: May 1982 edition

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Celebrating 35 Years of the AJNR

May 1982 edition

CT Recognition of Lateral Lumbar Disk Herniation

Although computed tomography (CT) has been shown to be useful in diagnosing posterolateral and central lumbar disk henrialitons, its effectiveness in demonstrating lateral henrialed disks has not been emphasized. The myelographic recognition of those henrialitons may be difficult because root sheaths or dural ascs may not be reviewed. Fourther (5%) showed as lateral disk henrialiton. The CT features of a lateral henriated disk included: (1) local portunion of the disk margin within or lateral to the intervertebral forame; (2) adjaced as it can disk disk disk margin within or lateral to the intervertebral forame; (2) adjaced as it can disk disk margin and the disk fragment i respective as it can image the disk margin and free disk fragment i respective diversite as a cor toot sheath disk margin and free disk hermitigen i disk themislow.

The recognition of a herniated lumbar intervertebral disk by myelography, even with water-soluble contrast agents, may be difficult where the anterior epidural space is large, such as at LS-31, or when the benization is lateral [1-5]. Computed tomography (CT) has been shown to be effective in the diagnosis of herniated disks [6-10], particularly the central and posterolateral cones. We illustrate the usefulness of CT in the diagnosis of lateral lumbar disk herniations.

Materials and Methods

Materials and metalods During a 3 year period, 1,523 patients with low back and/or sciatic pain were studied with CT at the Milwaukee County Medical Complex. Our CT scanning techniques have been decided (8, 6, 10) a C74 patients (15), widence of a breatfact humbar disk was sere by CT. We reviewed the CT scans in these 27 A patients to determine the frequency and CT appearance of latent all bather disk hermitian. We defind a latter disk hermitian as one within or takenal to the continued surgically and eight were managed conspecialized.

MR and the August 1952 Issue of the August 195 Representative Case Reports

Case 1

A 40-year-old woman had 6 weeks of severe left sciatic pain. Ne revealed left L5 and S1 radiculopathy. CT demonstrated displacemer L5-S1 intervertebral foramen and a large soft-tissue mass lateral to

Atrial Diverticula in Severe

Hydrocephalus

Thomas P. Naidich¹ David G. McLone² Yoon S. Hahn² Joseph Hanaway³



Massive ventricular dilatation causes stretching and dehiscence of the fornin with formation of unileteral or bilateral pial publica diverticulas of the inferior medial wall of the atrium. Entragement of the pial pouch creates a dimantic subarachendic syst that may hernited downward through the inclusur into the lateral mesencephalic, precentral and fourth ventricular distance and the stress of the st

Proper surgical management of the patient with massive hydrocaphalus and a midline, inciciural, cerebrospinal fluid (CSF)-density "cycl" reguires accurate preoperative identification of the nature of the "cycl" and its relation to the ventricular system. Primary arachnoid and gendymal cysts, which cause hydro-cephalus, may be treated by excitingation or direct alunting of the cyst with consequent relied of hydrocephalus. Focal ventricular dilations that *result* from hydrocephalus, insta difficulty in differentiating among primary arachnoid cysts. Of the medial arisi walt, and upward builting of the lateral ventricles, linital difficulty in differentiating among primary arachnoid cysts. Of the medial arisi walt, and upward builting of the disteral ventricles of the median walt, and upward builting of the disteral fourth ventricle led to review of the relevant anatomy and pathology and elaboration of criteria for accurate computed tomographic (CT) diagnosis of the pulsion diverticulum of the medial wall of the atrium.

Materials and Methods

materials on a metalods Serial CT cannot of 300 pediatric and adult patients with ventricular distation were reviewed to salect 80 patients assistiving the Mease et al. [1] criteria to extreme hytor-dropoundy excludes in 10 cases, where explaint hereint justice the risk, CT disproses of atrial diversities, anachesid syst, etc. were continend by metrizamide CT ventriculographs (MCT), metrizamide CT citeriorography (MCC), or surgical explanding explanation).

nic and Pathologic Basis for CT Signs

The medial wall of atrium is formed by the splenium above and behind, the symmetry

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