

## **Discover Generics**

Cost-Effective CT & MRI Contrast Agents





# Celebrating 35 Years of the AJNR: September 1980 edition

AJNR Am J Neuroradiol 2015, 36 (9) 1791 doi: https://doi.org/10.3174/ajnr.P0002 http://www.ajnr.org/content/36/9/1791.citation

This information is current as of September 1, 2025.

## Celebrating 35 Years of the AJNR

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#### Diastematomyelia in Children: Metrizamide and CT Metrizamide Myelography

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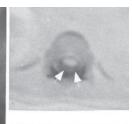
Sylvester H. Chuang

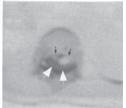
Distantantomyelia is an uncommon dysraphic testion of the spine which has been disprosed more frequently since the adverted of newer diagnostic methods. A series of 21 cases was examined using metrizantion enginegation and computed tomography (CTMIG) over a 3-year period. These examinations, in addition metrizantion enginegation of the computed tomography (CTMIG) over a 3-year period. These examinations, in addition myells hitherto unreported. A bony or cartillaginous spur was an uncommon finding, occurring in only six cases. Also, the soft spinal cord was found within an empilit dural sain in 5 cases. Consistent tethering of the spinal cord, even in the absence of a spur, was present in 16 of the 21 cases. Contillation of the spinal cord, even in the absence of a spur, as present in 16 of the 21 cases. Contillation of the spinal cord, even in the absence of a spur, in demonstrating the spinal cord anomalies; plain films and CT are complementary in demonstrating the spinal cord anomalies; plain films and CT are complementary in showing the bony amonalies. The radiographic investigative protocol of dissemantion-myelia includes plain anteroposterior and lateral spine films, metrizantion enginegation and CTMM. Conventional tomography and plain CT are unsuccessary; improved density resolution and variability of computed inclopaspic anteroposterior and lateral spine films, metrizantion enginegation and cTMM. Conventional tomography and plain CT are unsuccessary; improved density resolution and variability of computed inclopaspic anteroposterior and lateral spine films.

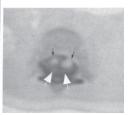
Computed tomography (CTT), metrizamide myelography (MM), and compute tomographic metrizamide myelography (CTMM) have, in recent years, added new dimension to the diagnosis of dysraphic lesions of the spine [1-3]. An uncommon condition in this group of anomalies is diastensamptiles, which is anatomically characterized by a longitudinal splitting of the spinal cord at one once vertebral levels, susally in the lower thoraccia and upper lumbar area sometimes associated with a bony, cartillaginous, or fibrous spur lying within a spinal canal and profutuding through the dural sea into the spinal cord. This is distinct from diplomystils which is a true duplication of the spinal cord with two distinct from diplomystils which is a true duplication of the spinal cord with two distinct dural scar and two polars of anterior and posterior name notion, and which

known to be associated with the sing extensive spina bifida, fusion vertebral bodies, and increased opperiated in part or in whole on

ontroversial and several theories all embryogenesis [4-6]. These retriation of the neural tube from the week of gestation, leading to in the neural tube [4, 5] and (2) a all intestinal fistula [6]. According stula may lead to such congenital homivertebra, butterfly vertebra,







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### Intravenous Angiography Using Digital Video Subtraction: Intravenous

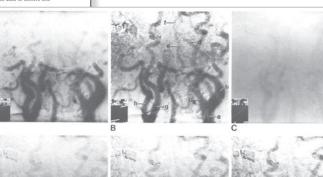
Cervicocerebrovascular Angiography

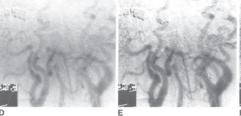
Peter C. Christenson' Theron W. Ovitt H. Donald Fisher III Meryll M. Frost Sol Nudelman Hans Roehrig The clinical application of intrawmous anajourpaips to study the cervicocreterous cuter system using the digital video subtraction system described in a companion article is reported. About 0.75 m//kg of a standard 76% iodine contrast solution in injected with on anticostati view using a power implect. Then 15-20 exposures in head and neck region at a 1,7sec rate are made on the image intensitier. The image are recorded by a high performance video system and the output slipsal is digitated for subsequent compositer manipulation. The subtraction images of these vessels produce by the computer show the vessels describe, veen though they contain very low concern trations of contrast media. Standard exposure factors of 75-80 k/hp. 1-10 mises at 5005-1,200 Air as essel. Clinically performed features of the data afteration and find 5005-1,200 Air as essel. Clinically performed features of the data afteration and find 5005-1,200 Air as essel. Clinically performed features of the data afteration and find 5005-1,200 Air as essel. Clinically performed features of the data afteration and find

analyze the various forms of subtracted images are described in the property of the property o

Intravenous angiography has added to the armum opiat for evaluation of athreosciencio disease [1- satisfactory intravenous angiographic technique, it visualizing and accreening the entire convicocorretor transferial angiography. Although selective transarter to play a major role in the detailed radisorpance of intravenial seisons, it is not appropriately used as vessels. Because it has a small, but essentially is abilited hands, it is a test with inappropriately high rasymptomatic patients. This mortifolity increases say intravenous angiography provides an atternative me patients in whom either a screening causarisation is applicated in the control of the co

With the system described in our companion clinically diagnostic images of the cervical arteries segments. We can use these images to make operative versus nonoperative care in about 80% nous angiograms, questionably positive findings we applications.





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