

Letters to the Editor

For Publication in The Turkish Journal of Pediatrics, Letters to the Editor Section.

To the Editor,

I would like to draw the attention of your readers to the possibility of showing the cause of recurrent meningitis by radioisotopic investigation, where the conventional methods fail to demonstrate an anatomical defect.¹⁻⁶

In two cases aged 8 and 15 years, that were admitted to the Hacettepe Children's Hospital with the diagnosis of recurrent meningitis for 6 and 2 times, respectively, (Protocol Nos: 382326, 470143) 2 and 4m Ci Tc 99mm was given intrathecally and a cisternogram performed at the 2nd, 6th and 24th hours, showed clearly a leakage of radio active material from the outside of the cisterna and in front of the nasal passage in the first case and from the left frontal cranial bone in the second case. No defects were previously observed by conventional methods of investigation in these cases.

In the first case, no surgery was performed and the patient was readmitted for the 7th time because of another attack of recurrent meningitis. He was treated successfully and placed on long-acting Penicillin prophylaxis since the cultures were proven to be pneumococci each time. The patient has had no further occurrence up to the present time. The second case who underwent duraplasty, made a good recovery and no further recurrent meningitis has occurred in this patient.

Güler Kanra, M.D.*

Sırrı Bektaş, M.D.

Gülten Seçmeer, M.D.

* From Hacettepe University Childrens Medical Center Ankara.

REFERENCES

1. Williams, J. P., Pribram, H. F. S., Lynde, R. H., Sharpe, A. R.: Isotope cisternography in the evaluation of patients with subarachnoid hemorrhage. *J. Nucl. Med.* 11: 592, 1970.
2. Rinaldi, I., Harris, W. O. Jr., Myles, J. T.: Isotope cisternography in the diagnosis of chronic subdural hydroma. *Virginia Med. Mon.* 98: 602, 1971.
3. Heller, R. M. Jr., James, A. E. Jr.: Clinical applications of cisternography in the pediatric age group. *Amer. J. Roentgenol.* 116: 590, 1972.
4. James, A. E., Deland, E. H., Hodges, F. J. 111, Wagner, H. N. Jr.: Cerebrospinal fluid (CSF) scanning. Cisternography. *Amer. J. Roentgen.* 110: 74, 1970.
5. Alker, G. J., Glasauer, F. E., Leslie, E. V.: Longterm experience with isotope cisternography. *JAMA* 219: 1005, 1972.
6. Tater, C. H., Fleming, J. F. R., Sheppard, R. H., Turner, V. M.: Studies of cerebrospinal fluid dynamics with intrathecally administered Radioiodinated human serum albumin serum albumin 131 I-HSA.. *Canada. Med. Ass. J.* 97: 493, 1967.