23. Preoperative and Potoperative RI-Cisternogram in Hydrocephalus

—Special Reference to Ventricular Reflux—

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24. Experimental Hydrocephalus Introduced by Laminaria

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25. Surgical Approach to Microcephaly

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In this paper, the authors investigated the possibility for surgical approach to the acquired microcephaly by neuroradiological methods, especially by the cisternography. Our observations dealt with 22 cases of microcephalus (acquired type were obtained in 17 cases), aged from 0 to 7 years (about half of them, 1-2 years old), consisted of 10 males and 12 females.

Head circumference was measured below 2 standard deviation from mean length of normal head growth by Nellhaus. Plain X-ray examination, PEG, PVG and CAG were performed in all cases in order to check up closure of sutures, space occupying lesions, dilation of CSF system, and other pathological changes except for 3 chronic subdural hematomas. Furthermore, to the purpose of investigation of CSF hydrodynamic change, cisternography by $^{99m}$Tc and $^{131}$I-HSA was also carried out in 8 cases of acquired microcephalus.

In the almost all cases of acquired types, demonstrable symmetrical dilatation