-17. Congenital Abnormality of Infancy
—Treatment of Hydrocephalus and Spina Bifida and Their Prognosis—

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We have experienced 46 cases of hydrocephalus and 29 cases of spina bifida among 87 cases of congenital abnormalities in the past 10 years.

In 46 cases of hydrocephalus, 34 cases (12, communicating; 22, non communicating) were surgically treated, using Pudenz’ ventricular-atrial shunt (V-A shunt) in 17 cases. Mortality rate in the group treated with a V-A shunt is lower than that with other procedures but there were several complications which needed reoperation. (2, obstruction of the ventricular tube; 5, obstruction of the cardiac tube; 1, dislocation of the connector; 2, undetermined) Among 10 cases with more than 2 years survival, 9 cases have had motor disturbance and 6 were mentally deteriorated.

27 cases were operated among 29 cases of spina bifida. (1, spina bifida occulta with lipoma; 6, meningocele; 20, myelomeningocele.) 4 cases of spina bifida had accompanied with hydrocephalus preoperatively and 5 cases have developed hydrocephalus postoperatively. Mortality rate is rather high because of difficult pre- and postoperative administration. 6 cases among 8 death died within one month postoperatively. As for prognosis of spina bifida, the result is quite unsatisfactory to motor disturbance of lower extremities and bladder function. But those who were operated with one year after birth showed better recovery than those after one year of age.

Therefore, earlier surgical treatment and well-programmed after care are advisable.

-18. Intracranial Tumors in Infant Below one Year of Age

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4 cases of intracranial tumors in infant below the age of 12 months were presented, these are among the 100 consecutive brain tumor cases past 5 years in our service.

Case 1: 4 months old female with sudden onset of enlarged head...