

AANP Slide Session 1961

CASE 3

Submitted by: Dr. Mary I. Tom, University of Toronto Medical School

A baby girl, 3 months of age, was admitted to hospital 24 hours before death. She was pale, unresponsive and convulsing. Reflexes were hyper-tonic and she reacted very slightly to painful stimuli. A grade II systolic murmur was heard over the left sternal border. Lumbar puncture showed no increase in pressure, 83 mg. of protein per 100 cc. and 131 mg. of sugar per 100 cc. The blood white count was 23,400 per cu. mm. with 39% neutrophils, 55% lymphocytes and 1% eosinophils. The temperature was subnormal and she became pale and cyanosed prior to death.

The only finding revealed at general autopsy was moderate left sided hypertrophy of the heart. The brain weighed 460 gms. unfixed, and was grachycephalic in appearance. Microgyria, absence of the cingulate gyrus and hypoplasia of the corpus callosum were prominent features.

The microscopic changes seen in the accompanying slide were most prominent throughout the brain stem. The mammillary bodies were normal.