

RECURRENT CONGENITAL POLYCYSTIC KIDNEY

(A Case Report)

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Introduction

Congenital Malformation are somewhat more common in infants of diabetic mothers; most of the malformations are of heart and limbs. Here we document an unusual case of congenital polycystic kidney in successive infants of a diabetic mother. The case is documented for its rarity.

CASE REPORT

K.D. 32 years, P 3+0 attended with 20 weeks of pregnancy. Her past obstetrical history was as follows:

First pregnancy in 1976 ended in preterm delivery of a fresh stillborn male baby. Cause of death not known. Second pregnancy in 1977 ended in full-term normal delivery of a female baby, alive and well. Third pregnancy in 1979 ended in preterm delivery of a living female baby at 32 weeks, who died few minutes after birth. This baby had a huge intra-abdominal mass. Post-mortem showed that the mass was

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a polycystic kidney. The patient was confined in district hospital in all these three pregnancies.

During her fourth pregnancy, she came with 20 weeks of gestation. Routine investigations were normal. Post prandial blood sugar was 163 mg%. She was referred to a physician and advised dietary control only. Two weeks later her post-prandial blood sugar came down to 109 mg%. Post prandial blood sugar was repeated at 28, 32, 34, 36 and 38 weeks of gestation and reports came as 130, 112, 100, 100 and 90 mg% respectively.

Elective LSCS was done at 38 weeks of gestation under epidural anaesthesia due to persistent less foetal movement and had obstetric history. A female baby was born weighing 2.6 kg with a huge left-sided intraabdominal mass. Baby died few minutes after birth due to respiratory failure. Amount of liquor was very scanty. Placenta was normal.

Post-mortem of the baby revealed an enlarged left-sided kidney measuring 6" x 4" x 1½". Surface of the kidney was lobular. Cut section of the enlarged kidney showed uniform granular surface. Right kidney, liver, pancreas, lungs and heart were normal. Biopsy was taken from all these structures. Histopathological report showed polycystic change in left kidney. Right kidney, liver, pancreas, lung showed no polycystic change.

Mother made an uneventful recovery.

See Figs. on Art Paper IV