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**EARLY DIAGNOSTICS AND SURGICAL CORRECTION OF
CONGENITAL HYDRONEPHROSIS IN CHILDREN**

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Congenital hydronephrosis in children makes up a significant part of all abnormalities and malformations.

The reasons for the development of hydronephrosis are such organic abnormalities as hypoplasia of the pylorourethral segment, high ureteral discharge and the presence of an aberrant vessel compressing the ureter.

A feature of hydronephrosis is its asymptomatic development. Clinical manifestation of this defect can occur at different time periods and, as a rule, is associated with the join of microflora and the development of pyelonephritis.

Long-term asymptomatic hydronephrosis leads to the development of nephrosclerosis and serious impairment of kidney function. With bilateral damage, this leads to renal failure with severe functional impairment of the body.

Therefore, early diagnosis of hydronephrosis with subsequent early correction of malformation is important. This allows you to restore impaired urodynamics and stop further hydronephrotic transformation of the kidney.

In the clinic of pediatric surgery on the basis of the Regional Children's Clinical Hospital No. 1 of Kharkov, together with the Kharkov Medical Genetic Center, there is many years of experience in antenatal ultrasound diagnostics of congenital hydronephrosis in children. Joint counseling of pregnant women is carried out in cases of detection of abnormalities and malformations of the urinary system in the fetus.

In the future, the child is examined at the age of 1 month and, with confirmation of hydronephrosis, he undergoes reconstructive surgery.

Operations in young children are performed using magnifying devices and using microsurgical surgical equipment to create pilourethral anastomoses.

Long-term postoperative observation of children undergoing reconstructive surgery for congenital hydronephrosis at a young age did not reveal any complications, the degree of hydronephrotic transformation does not increase, and the kidneys function normally.

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