

Post natal management of Antenatal Hydronephrosis

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Abstract

Hydronephrosis is one of the common anomalies identified on the screening sonography in the antenatal period. In the post natal life, not all the children born with hydronephrosis require surgical intervention. This leads to a dilemma in the management especially in the antenatal period regarding optimal dissemination of information to the parents.

Objective:

The aim of this presentation is to address this in the practical context as how to evaluate these children and counsel the parents.

Methods:

A retrospective study was carried out with data acquired by proforma with information on antenatal mothers attending Pediatric Surgery clinic over a period of 6 months. Analysis of data concerning children with antenatally diagnosed hydronephrosis was separately carried out.

Results:

Majority of the hydronephrosis identified antenatally did not require any surgical intervention in the postnatal period on follow up. Among the children who required surgical intervention, Pelvi-ureteric junction obstruction was the commonest surgical problem in addition to posterior urethral valves, vesico ureteric reflux, vesico ureteric junction obstruction.

Conclusion:

Antenatal hydronephrosis can be satisfactorily evaluated by sonography in the postnatal period and with the judicious use of scintigraphy, children who require intervention can be reliably identified.

Biography:

Krishna Kumar Govindarajan was born in India. He did his MBBS and MS in General Surgery in JIPMER Pondicherry. He did his MCh in Institute of Child Health, Madras Medical College, Chennai. He held the positions like Senior Resident in General Surgery 2000-2003 (Jawaharlal Institute of Postgraduate Medical Education & Research, Puducherry 605 006, India.) Resident in Paediatric Surgery 2003-2006 (Institute of Child Health, Madras Medical College, Chennai 600 008, India) Registrar in Paediatric Surgery 2006-2008 (Birmingham Childrens' Hospital, UK) Assistant Professor Paediatric Surgery 2008-2009 (MG Medical College & Research Institute, Pondicherry 607402, India) Consultant Paediatric Surgeon & Honorary Lecturer 2009-2011 Ministry of Health, Malaysia

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