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MEGACYSTIS MICROCOLON INTESTINAL HYPOPERISTALSIS SYNDROME—A LETHAL RARE ANOMALY

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Megacystis microcolon intestinal hypoperistalsis syndrome (MMIHS) is an unusual disorder characterized by a distended non-obstructed bladder, microcolon, and decreased intestinal motility. MMIHS is a rare condition, and to our knowledge not more than 150 cases have been reported over the past 10 years. Here we present a 34-year-old gravida three, para two woman with fetal, bilateral hydronephrosis, a greatly distended bladder and mild polyhydramnios, detected during the prenatal ultrasound. Based on the ultrasound (USG) findings, MMIHS was suspected. A female infant was born at 34 weeks of gestation by an emergency caesarean section because of breech during labour. The neonate weighed 4.2 kg with an Apgar score of four in one min and six in five mins. Physical examination showed a distended abdomen and bladder, as well as bilateral palpated enlarged kidneys. Abdominal x-ray showed a dilated stomach and minimal gas in the distal bowel segments. Abdominal ultrasound imaging showed dilated stomach with distal duodenal atresia. Fluoroscopy gastrografen revealed narrow bowel loops and jejunal malrotation at the right side. Ultrasound of the kidneys, ureters and bladder (USG-KUB) showed distended urinary bladder, bilaterally enlarged kidneys, with tortuous and dilated ureter. A vesicostomy was performed to facilitate the drainage of urine. Ganglion cells were detected following rectal biopsy and female karyotype (46, XX) was confirmed by chromosomal analysis. The diagnosis of MMIHS was confirmed. The parents refused to give consent for any surgical correction. At the time of this report, the child was two months old and had normal physical and neurological development, but total parenteral nutrition was required.

Biography

Nishat Fatema is an OBE-Gynaecology Specialist, currently working under the Ministry of Health Oman. She is a Young Researcher and a couple of her research articles are published in various international peer reviewed journals. She is eager to gain experience in the field of Research.

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