

Gastric Outlet Obstruction without a Characteristic Pyloric Mass in a Newborn

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Abstract : We herein present a case of gastric outlet obstruction (GOO) in an infant whose etiology was neither infantile hypertrophic pyloric stenosis nor some well understood rare cases such as antral web, and so on. A 3,726 g female baby was born by spontaneous vaginal delivery at 40 weeks gestation and non-bilious vomiting was found after 6 hours of life. Although an abdominal X-ray demonstrated a dilated stomach with air filled and an upper gastrointestinal series performed on the 5th day of life demonstrated stenosis of the pylorus, no characteristic olive mass which indicated hypertrophic pyloric stenosis was palpable by repeated examinations. A laparotomy performed on the 6 day of life revealed the existence of neither an olive tumor nor an antral web. Heintze-Miculicz pyloroplasty was thereafter successfully performed and the post-operative course was unremarkable. The etiology was unknown but a few similar cases have been reported. Further such cases should thus be accumulated in order to elucidate the possible etiology of this disease.

Key words : Gastric outlet obstruction, Newborn, Etiology