Results There were 3 males and two females. Prenatal diagnosis was made in 4 cases. There were 4 full-term newborns and one near-term of 36 weeks. Pleural effusion was on the right side in three cases, on the left side in one case and bilateral in one case. Four cases required mechanical ventilation. Somatostatin was indicated in one case. The treatment was successful in four cases. One case presented a dysmorphic syndrome was died by pneumothorax.

Conclusions The treatment of congenital chylothorax is based on conservative management. Somatostatin or its analog octreotide are considered as an adjunctive treatment of congenital chylothorax. However, the refractory cases are treated with chemical pleurodesis or surgical treatment. We propose an algorithm of the treatment of congenital chylothorax after review of the literature.

Introduction Arrhythmias in neonates are rare with an incidence reported to be 1 to 5%. Their diagnosis and treatment differ substantially from approaches used in an older child. Through this study we aim to identify epidemiology, clinical features, management and outcome of neonatal arrhythmias.

Patients and methods It’s a retrospective study of all cases of arrhythmias hospitalized in the neonatal intensive care unit of Sfax between 2004 and 2018.

Results We registered 10 cases of congenital atrioventricular block (AVB), 8 cases of flutter and 2 cases of chaotic tachycardia. A male predominance was noted with a sex ratio of 2.3. Prenatal diagnosis was performed in 5 cases of atrial flutter by fetal echocardiography which was indicated because of fetal anasarca in 3 cases, a dilatation of the right heart cavities in one case and a fetal tachycardia in one case. Prenatal treatment was administered in 4 cases of atrial flutter. It was based on amiodarone in one case, digoxin in two cases and digoxin associated with sotalol then relayed by flecainide in one case. Ten newborns presented signs of heart failure. For the others, the clinical manifestation was an anomaly of the heart rhythm (bradycardia or tachycardia). Diagnosis was confirmed in all cases by electrocardiogram. Echocardiography was performed for all patients. It showed tight pulmonary narrowing in a case of flutter and transient myocarditis associated to an AVB in one case. After birth, an external electric conversion was necessary in 4 cases of atrial flutter and a pacemaker implantation was indicated in 5 cases of AVB. In the other cases, the treatment was medical (amiodarone for tachycardia and Isoproterenol for AVB). Only 4 newborns with AVB died in the post operative course of the pacemaker implantation. For all other newborns the evolution was favorable.

Conclusion Neonatal arrhythmias can be serious and life threatening. The prognosis depends on the prompt of diagnosis which can be challenging at this age. Management must be rapid and multidisciplinary. Hence we insist on the importance of prenatal diagnosis.
and have no communication with the gastric lumen. GID are diagnosed most commonly in the first 2 years of age. Early diagnosis and surgical correction in the neonatal period usually are advocated to avoid potential morbidity and mortality.

**Case report** In this report, we present a 3-days-old newborn with antenatal diagnosis of gastric duplication confirmed postnatally. It was successfully managed using open surgical resection. Histology confirmed the diagnosis. The postoperative course was uneventful. At 5 months, the infant had a good follow-up.

**Conclusion** Gastric duplications are very rare in newborns. Symptoms are atypical. Antenatal diagnosis is possible and allowed planning management. The treatment is based on a complete excision. Laparoscopic surgery is successful but needs to prove its safety and effectiveness.

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**P643 RISK FACTORS FOR POSTOPERATIVE MORTALITY IN CONGENITAL DIAPHRAGMATIC HERNIA: A STUDY OF 29 CASES**

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**Background** Congenital diaphragmatic hernia (CDH) is one of the more common congenital anomalies with a frequency of 1/2200 live births. Despite progress in antenatal diagnosis and neonatal care, mortality for CDH remains high close to 30–40%. Several factors have been recognized as correlating with the prognosis of CDH such as pulmonary hypoplasia and pulmonary arterial hypertension. The aim of this study was to identify predictive factors of mortality after surgical management of CDH.

**Methods** It is a retrospective study of all cases of CDH that were admitted at the neonatology department and were operated in the department of pediatric surgery in Sfax (Tunisia) from 2010 to 2018. The risk factors investigated were sex, prenatal diagnosis of CDH, gestational age, birth weight, Apgar score, left side of CDH, inhaled nitric oxide, vasoactive support, delay to surgery and surgical duration.

**Results** During the 9-year period, twenty nine patients were included. Of those nine were right sides and twenty were left sides. 58.6% patients were male and 41.4% were female. The mean gestational age was 38.3%. Six infants were premature. One newborn had a congenital heart disease. Antenatal diagnosis was performed in only 38% of cases (n=11). Twelve newborns had low Apgar score. The mean hospital stay was 9, 6 days. Mortality rate was 62%. There was no statistically significant difference between survival and death groups in terms of sex, prenatal diagnosis of CDH, gestational age, left side of CDH, inhaled nitric oxide and delay to surgery. However, low Apgar score and birth weight <2700 g were independently associated with postoperative mortality.

**Conclusion** Despite advances in neonatal reanimation, mortality for CDH remains high. Our study showed that low Apgar and low birth weight are risk factors for mortality.