



A CASE OF ATRIAL FLUTTER IN NEWBORN

Dr. Devu P Pillai Junior Resident Department Of Pediatrics, Sutams.

Dr. Aparna C Babu Senior Resident, Department Of Pediatrics, Sutams

Dr. Maya Menon Professor , Department Of Pediatrics, Sutams

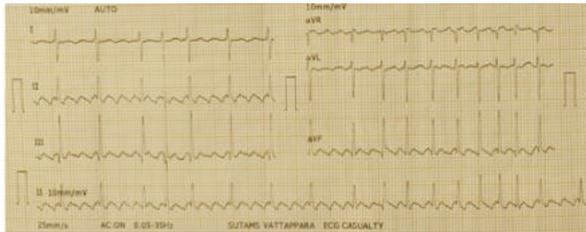
Dr. Sreejyothi Associate Professor, Department Of Pediatrics, Sutams

ABSTRACT **Background** - Atrial flutter is a rare arrhythmia in the neonate. Its etiology is uncertain, but there is an association with structural heart diseases. The immaturity of The myocardium and the high pressure in the right atrium during the prenatal Period may be the factors that favor the appearance of atrial reentry. The incidence of arrhythmia for neonatal period is about 1% and 1-3% in late Pregnancy. The association between diabetic mothers and newborns with atrial Arrhythmias has reported in literature.

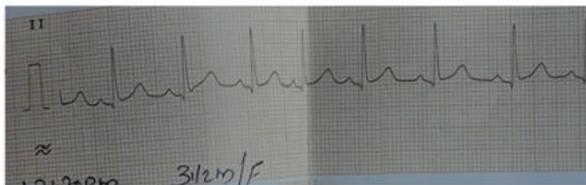
KEYWORDS : Atrial Flutter, Newborn

CASE REPORT –

Term , aga female baby infant of diabetic mother of birth weight 3.03 kg born by Normal vaginal delivery, cried soon after birth . Baby was asymptomatic and Hemodynamically stable. Baby had irregular rhythm at birth. Heart rate varied Between 180- 198 / minute. Ecg taken and showed flutter pattern with Conduction defects. Baby sucking well . Blood glucose and electrolytes send And was normal. Echo was taken and showed small os asd , mild ra/rv Dilatation , mild tr, mild pah. Repeat ecg was taken and was normal. baby Managed conservatively and was kept under followup. Follow up ecg was Normal and vitals stable.



ECG at birth



Follow up ECG

CONCLUSION-

The ecg shows saw tooth pattern in lead ii, iii, avf. The most effective treatment Is electrical cardioversion. Most neonates spontaneous conversion is common. Recurrence of atrial flutter is rare. In the absence of additional arrhythmia, Neonate has excellent prognosis once in sinus rhythm.

REFERENCES –

- 1) Kalane s, kanade N,Pratap u,Guptas.idiopathic neonatal atrial flutter. Pediatric oncallj.2016;13:23-24.doi:10.7199/ped.oncall.2016.14.
- 2) Nelson text book of paediatrics 21st ed.Elsevier;2020:2439.