

SIRENOMELIA: A RARE CASE REPORT

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CASE REPORT:25 year old Primigravida admitted on 2/1/2009 presented with 7 month amenorrhoea ,perceiving fetal movements well,registered outside,immunized.She had uneventful antenatal period till 2/1/2009 when she presented in active labour at 8pm.Her period of gestation was 31 weeks 3 days.On examination patient was poorly built and nourished.Her height was 141 cm and weight was 41 kg..P/A-on inspection abdomen was globular,umbilicus was central and everted.striae gravidarum and linea nigra were present.

On palpation uterus was 28 weeks,external ballotment present.P/V-Os was 3-4 cm dilated,fully effaced,BOM forming,station 0 ,presentation was difficult to determine.She delivered a stillborn baby with

fused legs.Baby weight was 1.1Kg.**INVESTIGATIONS:**Hb-11.9,Tlc-10,200,Platelet-1,62,000,RBS-76,BG-O Positive **USG**-Single live intrauterine presentation of 25 weeks 6days with breech presentation with severe oligohydrominos with bilateral renal agenesis.





DISCUSSION:Skeletal abnormalities seen in sirenomelia include sacral and lumbar agenesis and dysgenesis of the distal spine.The lower extremities are fused into a single limb or appear as fixed,side by side dysgenic legs. Sirenomelia is most often fatal due to renal agenesis or severe dysgenesis and accompanying anhydraminos and pulmonary hypoplasia. Vascular anomalies, including the aberrant steal vessel ,abnormally small abdominal aorta and a two vessel umbilical cord. **VASCULAR STEAL PHENOMENON:** Sirenomelia

results from this phenomenon. This causes severe ischaemia of caudal portion of fetus. Here an aberrant vessel derived from the vitelline artery shunts blood from high abdominal aorta directly the umbilical cord to placenta . This vessel in effect, acts as an umbilical artery. The result is severe hypoperfusion of structure distal to the origin of abnormal vessel ,as this vessel “steals”blood from caudal portion of fetus.

REFERENCES:

- 1.Mary.Beth Savimens “Shiloh Repin:The mermaid Girl”
- 2.Abraham m.Rudolph,Robert K Kamei &Kim J Overby “Rudolph’s Fundamentals of pediatrics” Mcgraw Hill Professional 2002
- 3.Oneijec.I, Sherer .D.M, Handwerker S. &Shabl “CRS S Sirenomelia in only one twin in two diabetic Pregnancis” Clinical & Experimental Obstetrics & Gynecology 31:151-3;2004