Prenatal diagnosis of Tessier Number 3 Facial Cleft

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Introduction

• Atypical facial clefts are rare
• Tessier number 3 cleft one of the rarest albeit most intricate & destructive
• Extends through the upper lip, alar groove and medial canthus
• Prenatal diagnosis not reported thus far

Case Summary

• 32 year old; 34 weeks primi
• Referred suspecting an “abnormal nose”
• On 2D imaging
  - Absent left alae-nasi
  - Lips, palate and alveolar ridges intact
• On 3D imaging
  - Large facial cleft from left of columella to infra-orbital ridge
• No amniotic bands
• Rest of the fetus normal

Follow up

• Fetal karyotype normal
• Spontaneous vaginal delivery at 38 weeks
• 2.8kg healthy girl baby

Conclusion

• Midtrimester coronal views of the face as per ISUOG guidelines help diagnose even rare facial anomalies

• 3D ultrasound offers significant value addition in craniofacial anomalies.