

## AMNIOTIC BAND SEQUENCE - A REVIEW OF ARTICLES WITH DEMONSTRATION OF A CASE.

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### AMNIOTIC BAND SEQUENCE

Its synonyms are steeter dysplasia, amniotic band disruption complex, amniotic band syndrome, ring constriction etc. (1-16).

The mode of inheritance is sporadic. Familial amniotic bands and amniotic band disruption in twins have rarely been reported.

Compression-related deformities due to amnion rupture with retained chorion integrity are most likely the cause of the anomalies; a possibility of chorionic villus biopsy as a cause of the amniotic band syndrome has been suggested.

The pathology includes triad of amniotic-denuded placenta, fetal attachment to or entanglement by amniotic remnants and fetal malformations.

The clinical and radiologic manifestations are

1. head: facial clefts, calvarial defects, hydrocephalus, anencephaly, encephalocele, microphthalmos, microcephaly, sutural synostosis, hypertelorism, etc.

2. limbs: single or multiple ring constrictions, most common distally, varying in severity from minor grooves to total amputation, digital fusion, clubfoot deformity, pseudoarthrosis etc.

3. trunk: gastroschisis, omphalocele, malformed genitalia, imperforate anus, hypoplastic lungs, chest deformity, scoliosis, meningomyelocele, ectopia cordis, strangulation of the umbilical cord, etc.

4. other reported abnormalities: association with Ehlers-Danlos syndrome, type IV, and osteogenesis imperfecta; transient oligohydramnios etc.

The differential diagnosis includes the "Michelin tire baby" syndrome; accidental or purposeful band formation around the extremities.

Plain film of both lower legs showed the ring constriction above left ankle joint in the 7-month-old boy (Fig. 1)

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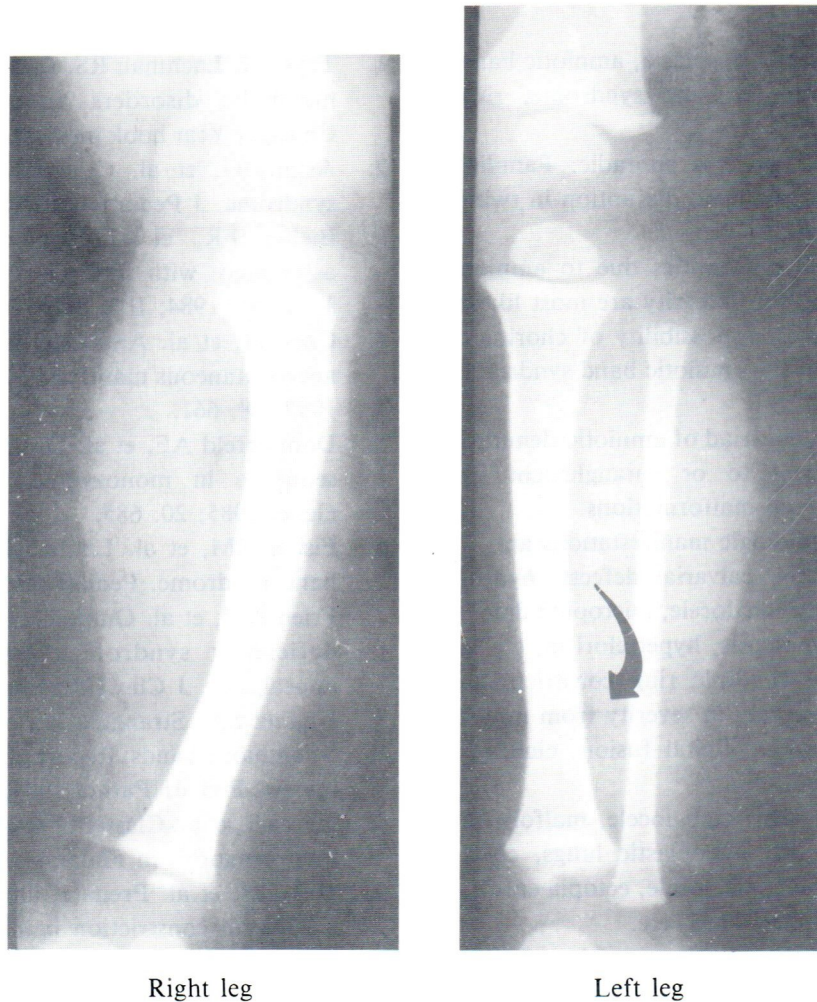


Fig. 1 The ring constriction is noted above the left ankle joint in the 7-month-old boy.