

Amniotic Band Syndrome: A Rare and Little-Known Clinical Entity

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1. Clinical Image

Amniotic band disease is a group of complex congenital malformations, mainly affecting the limbs, the craniofacial region and the thoracoabdominal axis. There is exogenous theory: early rupture of the amnion leads to the formation of fibrous bridges, which are responsible of the strangulation; And endogenous theory favours a vascular origin, in which case the bridges have no causal role [1].

We report a clinical observation of a new born baby from non monitored pregnancy, no drugs or toxic substances were taken during it and there were no similar cases in the family. The newborn was admitted our department for malformative limb syndrome. The somatic examination showed a normal weight, height and head circumference; In the left hand, we found amputation of the four fingers with a normal thumb (Figure 1), the right lower limb was the site of three grooves with significant swelling (Figure 2) and the left foot showed total amputation of the big toe (Figure 3).

Laboratory assessment confirmed a negative TORSCH serology and negative bacteriological screening. The X rays of limbs confirmed our findings and Surgical repair of the right lower limb was carried out successfully with good follow-up.

The prognosis for this syndrome depends on the severity of the malformations. Medical interruption of pregnancy is generally

proposed in the presence of severe craniofacial and visceral malformations, whereas isolated limb malformations are amenable to surgical treatment at birth, antenatal resection by fetoscopy may be proposed to avoid amputation in utero [2].

2. Keywords: Amniotic band syndrome; Constriction ring Syndrome; Limb amputation



Figure 1: Swelling and amputation of the fingers of the left hand



Figure 2: Levels of striction grooves and swelling in the right lower limb



Figure 3: Deformity of the left foot

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