Jugular Phlebectasia in Children: A Case Report

Dr. Mehmet Demircan¹, Dr. M. Harun Gürsoy¹, Dr. Sema Uğuralp¹, Dr. Mustafa Aydinç¹, Dr. Bahar Müezzinoglu²

The authors report on a case with external jugular phlebectasia which is a rare entity in children. It is important to include it in the differential diagnosis of neck masses in children. Colour-doppler ultrasonography is a simple and valid diagnostic method to distinguish this pathology. Surgical removal of the involved segment was performed. [Journal of Turgut Özal Medical Center 1997;4(1):107-108]

Key Words: Vascular anomalies, neck masses

Çocukluk çağında jugular flebektazi: bir vaka raporu


Anahtar Kelimeler: Vasküler anomaliler, boyun kitleleri, cerrahi

Congenital dilatation involving veins of the superior vena caval system is rare in children (1-6). They appear as a soft, compressible swelling in the neck during straining or crying.

In this paper, a child with congenital external jugular phlebectasia was reported on and discussed.

Case: MK, an 18-month-old, admitted with a soft, compressible cyst-like mass at the right lateral aspect of the neck appearing only on straining or crying. There were no history of trauma or infection. On physical examination, a soft, non-tender mass became evident when he was crying. Doppler ultrasonography showed fusiform dilatation of the external jugular vein. Excision of the dilated segment of the vein was performed for cosmetic purpose.

Histopathologic examination of the excised segment of the vein showed diffuse fibrosis on the wall of the vein. Elastic fibers were thin and showed a disrupted architecture (Fig 1). Patients has all remained well after surgery.

Discussion

Venous ectasia in the neck is a rare entity, especially in children. The internal and external jugular veins are generally affected. A fusiform, soft, cystic mass manifested by straining, coughing, crying, or sneezing and on Valsalva maneuver appears in the neck (1-6).

Neck lesions in children are not uncommon and accurate diagnosis of the mass is important. Three
types of swelling distend on Valsalva and disappear completely at rest: (a) tumors or cyst of the superior mediastinum, (b) external laryngeal diverticulum and laryngocele, and (c) venous enlargement of the superior vena caval system (1-6).

Surgical excision is mostly performed for cosmetic purpose, but Balk et al. reported a case who had jugular phlebectasia with thrombosis, and suggested surgical removal of the involved segment without delay because of thrombosis and some other unknown potential complications (1).

We concluded that colour-doppler ultrasonography is particularly enough for the diagnosis of jugular phlebectasia and appropriate surgical management should be undertaken.

REFERENCES


Correspondence address:
Mehmet DEMİRCAN, MD
İnönü University School of Medicine, Department of Pediatric Surgery
44300 MALATYA