

THE INCIDENCE OF THE BALANITIS XEROTICA OBLITERANS IN CHILDREN

Nizamettin KILIC, Sefik ÇAMAN, Emin BALKAN, Saduman BALABAN ADIM, Hasan DOGRUYOL

The Medical Faculty of Uludag University, Department of Paediatric Surgery, Division of Paediatric Urology and Department of Pathology, Bursa, TURKEY

Balanitis xerotica obliterans (BXO) is an uncommon inflammatory condition of the penis that may involve the prepuce, glans and even the meatus. It can affect all age groups, with reported onset from 6 months of age to late adulthood.

In this clinical study we aimed to investigate the presence of BXO in the foreskin materials which is obtained during circumcision for different clinical indications and hypospadias repair.

For this purpose, foreskin materials excised from operated patients for different causes in our department (April 2003 - May 2005) were histopathologically examined by a single pathologist. Totally 207 children were enrolled in this study. Their mean age was 4.9 years, ranging between 1 month and 15 years.

Indications for circumcision were social and religious reasons (124), phimosis (56), urinary tract anomalies (13) and hypospadias (14). Findings of BXO were seen in 2, 2 and 1 patients in the groups of social and religious reasons, phimosis and urinary tract anomalies, respectively. The incidence of the BXO was 2.4% (5/207) in this clinical study. Histopathological findings related to BXO were ortokeratotic hyperkeratosis (5 patients), atrophy of the stratum malpighi (3 patients), hydrophic degeneration (3 patients) and edema and homogenization of the collagen (3 patients). There were no clinical symptoms related to BXO in those patients during follow-up.

Conclusion: According to the literature the incidence of the BXO in the foreskin material ranges between 3.6 -19 %. Our study showed the lower incidence of the BXO compared to the other studies. As the circumcision is performed routinely in early childhood, may be this condition is rare in our country.

Presentation Type: Poster Presentation

Authorize Publishing:

Contact information of Abstract Presenter:

Title: Dr.

Name: Nizamettin

Surname: Kılıç

Institution: Uludağ Üniversitesi Tıp Fakültesi, Pediyatrik Cerrahi AD., Pediyatrik Üroloji Bölümü

Address: Görükle, Bursa

Tel.: +90-224 4429198, +90-532 2749610

Fax.: +

E-mail: nizam@uludag.edu.tr