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Letter to Editor

Leydig cell tumor – An uncommon paediatric testicular tumor

Aditya Pratap Singh[1], Dinesh Kumar Barolia[2]*, Harsha Vinod Bathia[1], Vipal H Parmar[3], Bhavana Asit Mehta[3], Shraddha Mehta[1]

[1]*Bhagwan Mahavir Hospital, Sumerpur, Pali, Rajasthan, India*
[2]*Jawaharlal Nehru Medical College, Ajmer, Rajasthan, India*
[3]*Neuberg Supratech Reference Laboratories, Ahmedabad, Gujarat, India*

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Dear Sir,

Leydig cell tumor is a rare testicular tumor. Of the all solid tumors of childhood, testicular tumor comprises only 1% of these tumors. Out of 1%, the leydig cell tumor is a rare testicular tumor not only in paediatric age group but also in the adult population.[1–3]

A 13 year's old male child presented with right scrotal swelling since one year. The swelling was gradually increasing in size. On inspection large right testicular impression was visible compare to left testis. On palpation right testis was oval, smooth surface, non-tender but larger than left testis. He has features of precocious puberty like sparse beard, moustache, and pubertal hair. Trunk was appearing large. Both lower limbs were small comparatively. Complete blood counts were within normal limits. Serum testosterone, alkaline phosphatase, and calcium were raised. Serum FSH, LH, beta HCG, and estradiol levels were normal in range. X-ray chest was normal. Ultra sound showed a space occupying lesion with mixed echogenicity in right testis. Contrast enhanced CT scan of chest and abdomen was normal, no mitotic activity was seen. After anaesthetic fitness, we explore the right testis through high inguinal approach and orchidectomy done. Histopathology of excised specimen confirms the diagnosis of leydig cell tumor. Presence of polygonal cells with eosinophilic cytoplasm and containing multiple nucleoli made the diagnosis firm(Figure 1 A & B].

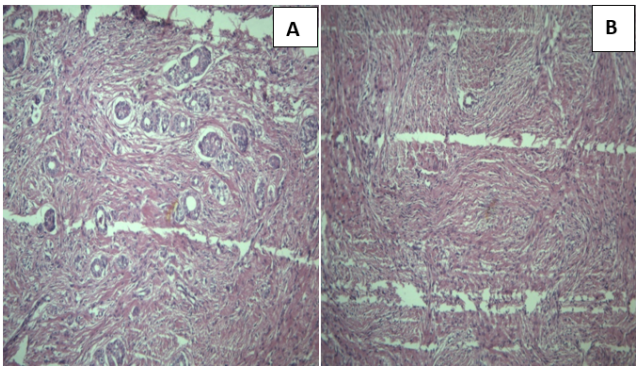

Figure 1: A: & B: [H &E] – showing polygonal cells with eosinophilic cytoplasm and containing multiple nucleoli

Testicular teratoma and yolk sac tumor are common tumor of childhood testis.[3,4] Very few cases of leydig cell tumor reported in English literature with features of precocious puberty in childhood group. We are just adding this one more case.

* *Corresponding author*.
E-mail address: dbaroliarnt@gmail.com (D. K. Barolia).

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Conflict of Interest

None.

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Author biography

Aditya Pratap Singh, Consultant

Dinesh Kumar Barolia, Assistant Professor https://orcid.org/0000-0003-0617-8435

Harsha Vinod Bathia, Consultant

Vipal H Parmar, Consultant

Bhavana Asit Mehta, Consultant

Shraddha Mehta, Consultant

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