A girl with labium majus swelling

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Abstract Asymmetric vulva swelling during prepubertal period is related to a variety of inflammatory and neoplastic lesions. An 11-year-old girl with childhood asymmetric labium majus enlargement is presented.

Keywords CALME · Vulva · Soft tissue mass

An 11-year-old girl presented with a 3-month history of painless swelling of the right labium majus. There was no history of genitalia trauma or of abdominal surgery. Physical examination revealed a soft, ill-defined enlargement of the right labium majus with normal overlying skin (Fig. 1). Neither cystic nor solid lesions were palpated. The inguinal and genital examination was otherwise normal. She was prepubertal in Tanner stage II. Ultrasound showed increased labial soft tissue on the affected side with a similar echogenicity to the contralateral side. The unilateral labium majus swelling without inflammatory and neoplastic features was diagnosed as childhood asymmetric labium majus enlargement (CALME).

CALME is a nonneoplastic expansion of normal vulvar soft tissue in response to prepubertal hormonal stimulation recalling unilateral breast enlargement. The prognosis is good, and biopsy or surgical treatment is not necessary [1, 2].

The pediatricians should keep in mind CALME and not to erroneously misdiagnose these cases as neoplastic lesions.

Fig. 1 Enlargement of the right labium majus

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