After plucking eyebrows a 27-year-old female patient noted left eyelid swelling, redness, increasing of pain and body temperature with no visual deficits. The examination showed the presence of crust (Panel A: arrow) just below the medial part of the left eyebrow. Ultrasonography (model HD11 XE, Philips) was performed using linear transducer (frequency range: 12-3 MHz) in the supine position of the patient. Firstly, a comparative gray scale ocular ultrasound (US) of the right (Panel B) and left eye (Panel C) showed only a soft tissue hypoechoic swelling anteriorly to the left eye. Increased distance (due to edema) between skin surface and cornea is labeled by vertical line. But placing the transducer in the projection of the crust and parallel to the left eyebrow (Panel D) the gray scale US (Panel E) showed fluctuated nearly anechoic heterogenic area with ill-defined margins (indicated by ‘+’ and ‘×’ calipers) measured 1.21 × 1.06 cm. Such data suggested presence of limited purulent content. Furuncle (also known as boil) is a single hair follicle–associated bacterial infection (in 96 to 98 percent caused by Staphylococci [in 88–90 percent – by Staphylococcus aureus and in 6–10 percent – by Staphylococcus epidermidis])² of the perifollicular
tissue. Also, furuncle is named in the literature as acute purulent-necrotic inflammation of the single hair follicle and surrounding tissue. Abscessing (ie, fluctuating) furuncles require its drainage what was done in our case under the local anesthesia with a several days rubber drainage placement. Intramuscular ceftriaxone was prescribed (2.0 g daily) and complete recovery was noted at 7-day follow-up. Summarizing, orbital US continues to prove its efficacy in the wide variety of orbital inflammatory cases becoming a viable tool during the different stages of treatment.

REFERENCES


