

Images in medicine

Perianal abscess following doppler-guided transanal hemorrhoidal dearterialization



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The doppler-guided transanal hemorrhoidal dearterialization (DG-THD) is a well-established and validated minimally invasive procedure for the treatment of symptomatic hemorrhoids. As compared to the excisional technique, DG-THD has the advantage of being associated with less post-operative pain and do not compromise the anatomy or the physiology of the anal canal. Our objectif is to describe the first case of perianal abscess following DG-THD. We report perianal abscess in a previously healthy 32-year-old male patient, who underwent DG-THD for grade II hemorrhoids, as an outpatient procedure. One week later, the patient complained of persistent pain in the right iliac fossa and hypogastrium. CT-scan showed a peri-rectal fluid collection with gas bubbles and peripheral enhancement. MRI was obtained after first attempt of elective drainage, showing increase of the collection diameter without any fistula, which prompted a surgical exploration and drainage. Multi sensitive E. coli was found on culture. Post-operative recovery was slow but favourable. To the best of our knowledge, no previous report of perianal abscess following DG-THD has been described in the literature, which we believe in our case to be of haematogenous origin.



Figure 1: Sagittal T2-weighted pelvic magnetic resonance imaging shows perianal abscess