Case report:

Talk about your patient's job, his economic and social situation, his lifestyle (hygiene), describe his height and weight, and his BMI.

A 42-year-old soldier. Since his childhood, the patient was living in an urban area, which is not endemic for hydatid cyst. He weighs 72 kg with a height of 1.73 m and who's the BMI of 24.05, with good general conditions.

Discussion:

- Explain why you combined medical treatment with your surgery if your resection was clean (closed cyst), if you followed the guidelines specific to your country, cite them.

In some cases, an additional perioperative antihelmenthic therapy is preferred to reduce the risk of recurrence. Given our department guidelines, our patient underwent an antiparasitic medical treatment for 2 months after the surgical excision. We recommended 2 courses of oral Albendazole (400 mg twice per day) or (12 mg/Kg/day) for two months.

- How did you control your operating site after surgery to talk about the absence of recurrence (clinic, imaging ... ???).

Clinical and ultrasound periodic follow up of our patient did not reveal any postoperative recurrence manifestations during 1 year.

- At the end of your discussion, associate a brief review of the literature of similar cases described in the literature summarized in a table (Author, Year, sex and age of the patient, size of the cyst and results after surgery).

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Author | Year | Sex of the patient | age of the patient | Localization | size of the cyst (cm) | Serologic test of Echinococcus | results after surgery |
| Sreeramulu P. N. | 2010 | M | 34 | Left gluteal | 12/10 | Negative | No evidence of recurrence for 6 months |
| Tarun Kumar Pathak | 2011 | F | 30 | Right thigh | 12/8 | ----------- | No local recurrence after one year |
| Nicolas Argy | 2013 | F | 60 | Right thigh | 10 | Positive | Relapse (three weeks later) |
| Samer Makki | 2018 | M | 37 | Right thigh | 10/6.5 | Positive | ---------- |
| Abdulwahid M. Salih | 2018 | F | 34 | Left thigh | 10/17 | Negative | ---------- |
| Samiee-Rad | 2020 | M | 86 | Right thigh | 9/8/6.5 | ------------- | No evidence of recurrence (23 months follow-up) |
| Rama Zazo | 2020 | F | 36 | Right thigh | 12.4/8/11 | Negative | 1 month without any recurrence manifestations |
| Meltem Özdemir | 2020 | M | 72 | Left gluteal | 4.4/3.4/4.6 | Negative | No recurrence for 6 months |
| Majid Samsami | 2021 | F | 32 | Left thigh | 15/5 | Negative | No recurrence during 8 months follow-up |

**Table: Patients with isolated and primary subcutaneous hydatid cysts of the gluteal region and thigh** [19-27].

At the end add the word (Case report and literature review) to your title.

## Solitary primary subcutaneous hydatid cyst of the buttock

-Case report and literature review-