

# **Surgical Forum**

## **Case presentation**

**By Maryam M. Hammodat**

**Supervised by :**

**Dr. Abdul Al-Rahman Abdul-Aziz**

**Dept. Of Surgery  
Mosul Medical College  
University of Mosul  
Mosul - IRAQ**

# History taken from the parents of the patient

Eight years old male student

Chief complaint :  
abdominal pain for one day duration



## ■ History of present illness :

- Eight years old child presented at night to the emergency unit of pediatric surgery center with sever intermittent , generalized abdominal pain , which radiate to both shoulders , aggravated by simple movement and not relieved during his complain

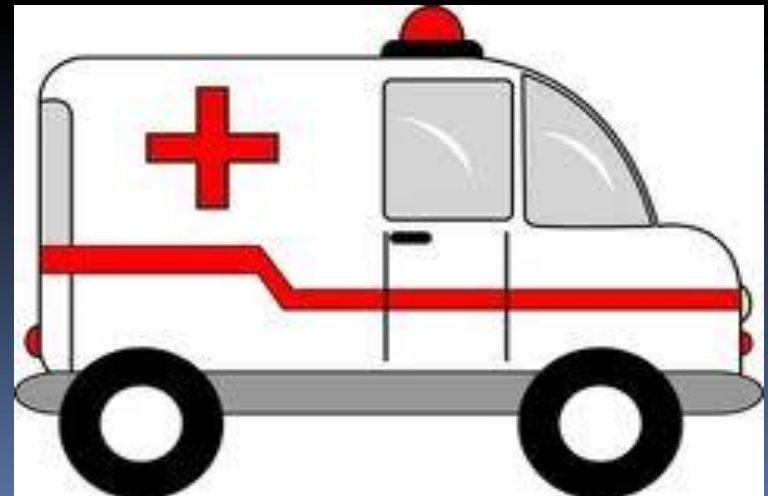


**associated with loss of appetite. There was no abdominal distension and no change in bowel motion .**

- **Patient vomited twice , bilious vomitus that did not contain blood .**
- **Also fever was developed which was relieved by antipyretic .**



- He was admitted to hospital , resuscitation was done to him with IVF , nothing by mouth , ceftriaxone , flagyl , and antipyretic with monitoring his pulse , blood pressure , temperature and urine output .



## Review of other systems :

- **NO significant symptom was mentioned.**



- Past medical : not remarkable
- Past drug history : no allergy and no chronic use of drug .
- Past surgical : cicumcission only .
- Family history : not remarkable.



## Social history :

**The parents told us that their child was always playing with his cat and sometime he drinks its water .**





- Examination
- General examination : Patient looked toxic at time of admission , feverish , tachycardia .mildly tachypnea , not dyspnic , not jaundiced , no rash .





## Vital signs :

- **Pulse 110 beats/minute**
- **Blood pressure 100/70 mm Hg**
- **Respiratory rate : 38 / minute**
- **Temperature : 38 c**

## ■ Abdominal examination :

### Inspection :

mildly distended abdomen flat umbilicus ,  
moved with his respiration ,  
no dilated veins , no previous scar .



### Palpation :

Superficial palpation : tenderness all over his  
abdomen mostly at right upper  
hypochondrium region , no palpable mass .



**Deep palpation :** just palpable liver with  
sever tenderness

**Percussion :** the patient can't tolerate  
percussion because of severe tenderness.

**Auscultation :** + ve bowel sound .



**Digital rectal examination :** normal .

Chest examination : normal .

Heart : normal s1 & s2 heart sounds , no added sound , no murmur .



## ■ Investigation :

### General urine examination :

yellow , clear & acidic in reaction  
contain 0-2 pus cells & 0-1 RBC .

No cast & has Ca oxalate crystal .

Blood test :

Hb : 126 , Pcv : 0.39 ,


Total W.B.C. :  $13 \times 10^9$





# Ultrasound :


**Enlarged liver with single echo free cyst seen at right lobe superior part about 11 cm contain floating debris ( active hydatid cyst ) otherwise intact left lobe . Normal gall bladder , common bile duct & biliary passages .**





**Normal spleen , pancreas size, echogenicity & texture .**

**Normal size , cortical thickness both kidneys with no stone , no hydronephrosis Seen normal urinary bladder ,no vesical stone .**





MEDISON

[01] G 747 P 90 20500  
EAB 71 S12 1 PGC0  
MI 1 1 150 7





## Chest X-ray :

normal chest , mild elevation of right  
dome of diaphragm .





# Perioperative History

- Pre operative :

**Patient admitted to pediatric emergency center at Al-Khansa hospital at night .**

**He was investigated by blood test , general urine examination , ultrasound .**

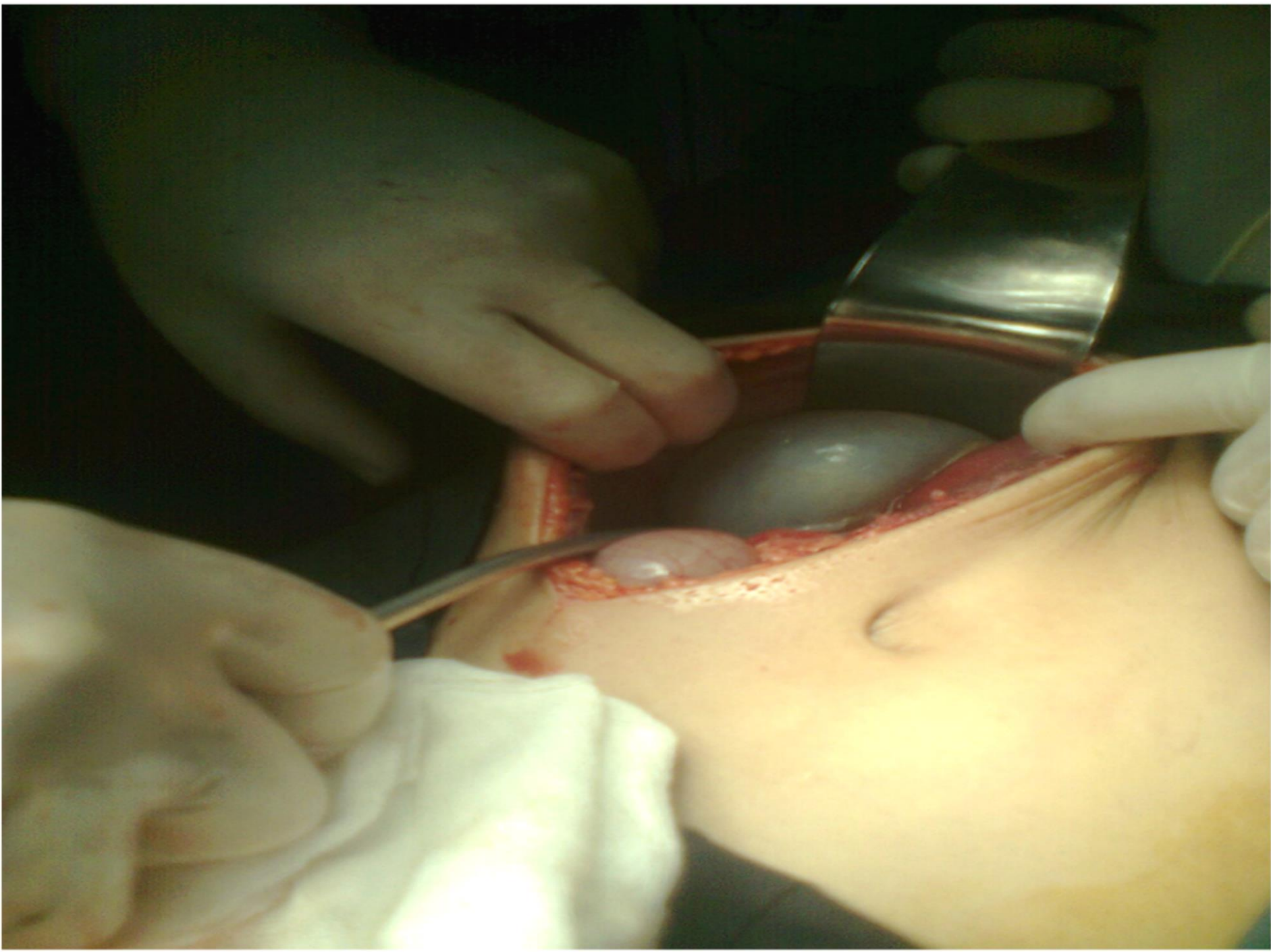


## Operative history :

**In operation theater , laparotomy was done through right paramedian incision , abdomen opened in layers , one big intact hydatid cyst appear on the surface of ruptured liver .**

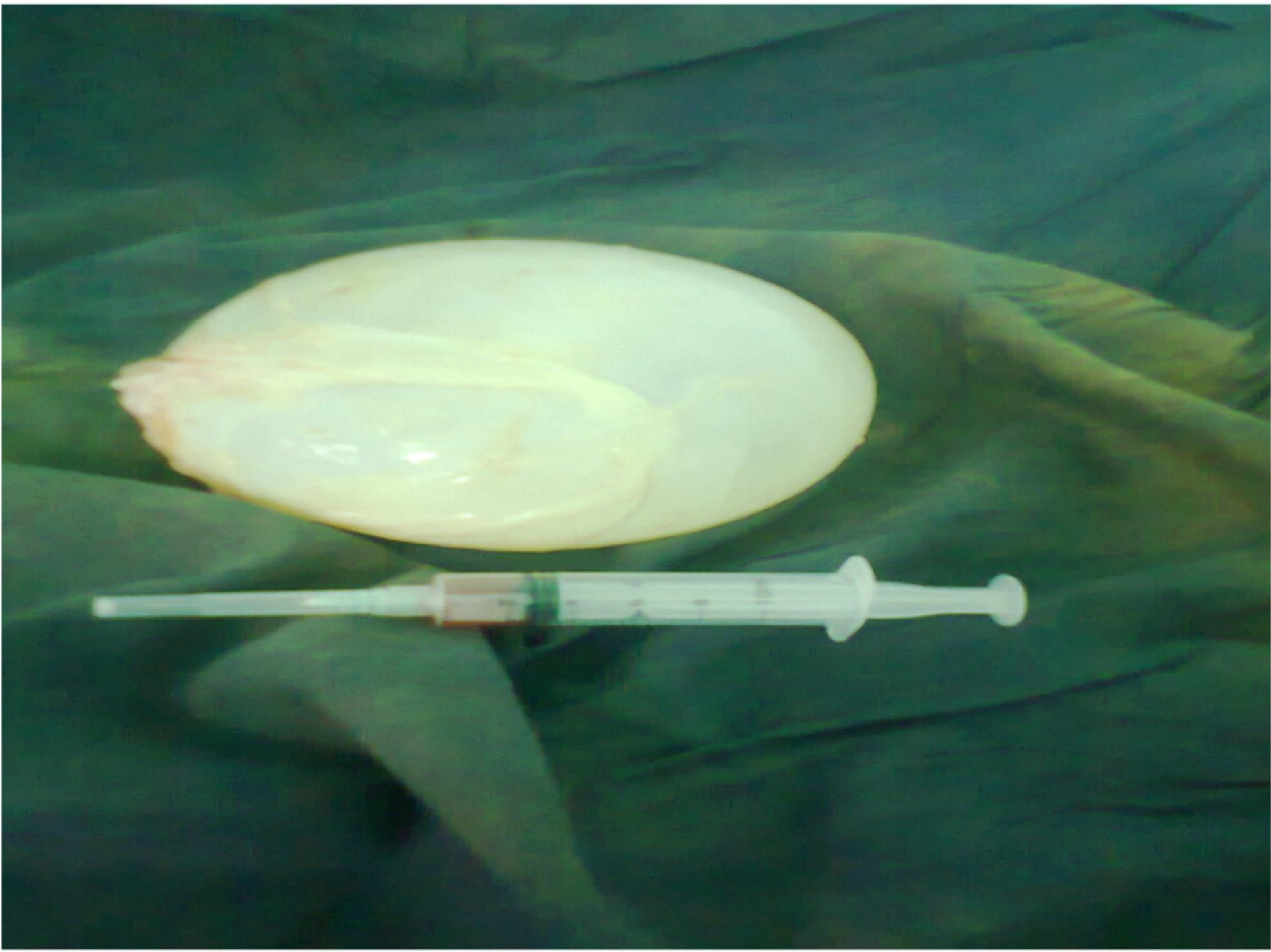
**Evacuation of the intact cyst was done with marcipulization , tube drain put in the cavity of the cyst & abdomen then closed in layers .**













## Post operative :

**operation passed smoothly without complication , patient regain his consciousness after one hour ,no vomiting , no dyspnea , no fever .**

**He was well & discharged home in third day after operation .**

**Drain was removed after one week .**

## The aim from this case :

Unusual presentation of hydatid cyst where there was rupture of the liver & intact cyst . Usually liver hydatid cyst is discovered accidentally or presents as discomfort in the right upper hypochondrium .



The background of the image is a bokeh effect consisting of numerous out-of-focus circles in shades of light blue, white, and pale yellow, creating a soft, glowing atmosphere. The text "Thank you" is centered in a dark blue, sans-serif font.

**Thank you**