



# LAPAROSCOPIC HYDATID CYSTECTOMY OF LIVER

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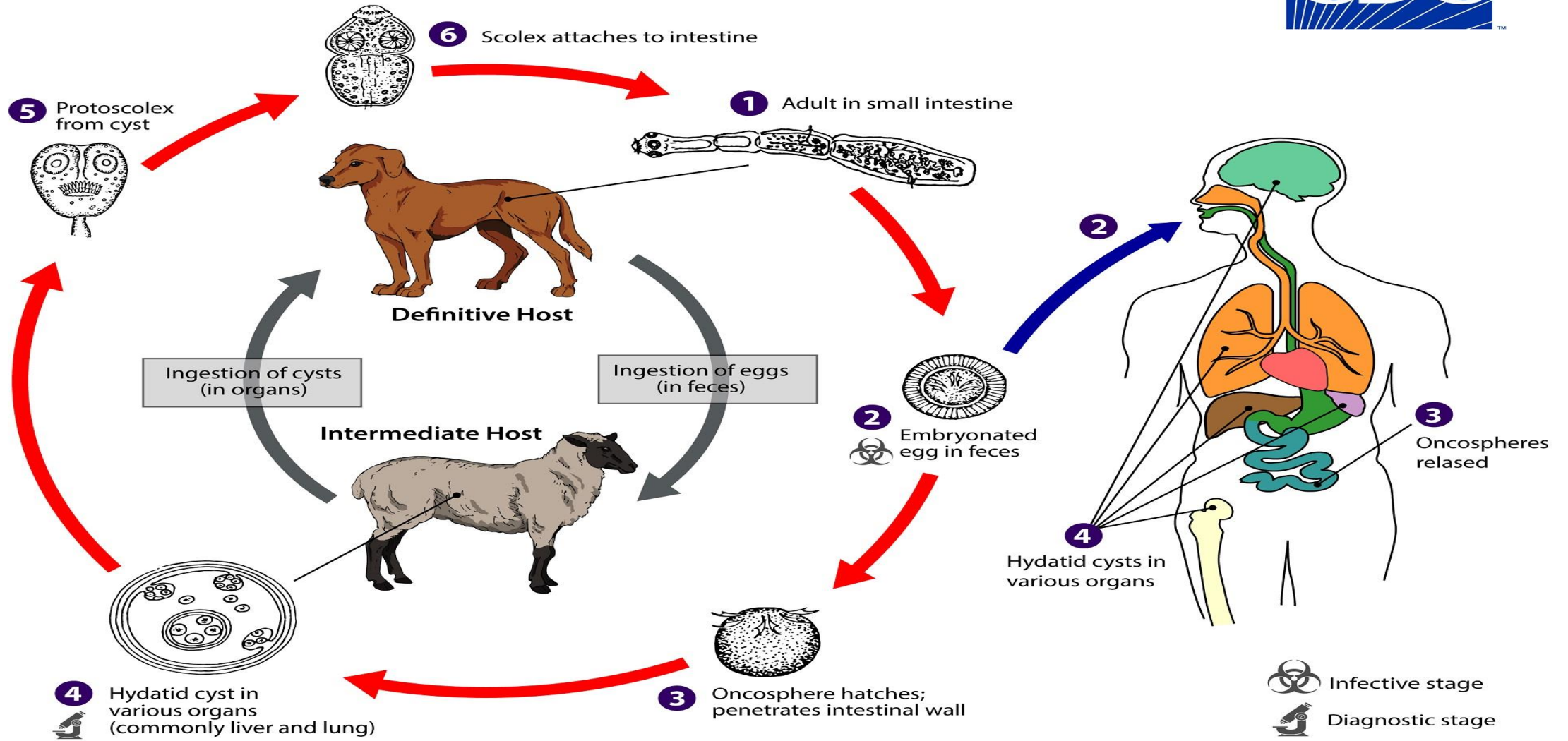


# Introduction

**Hydatid cyst** is a disease caused by a parasite called: (*Echinococcus Granulosus* ), and the human being is an accidental Intermediate host of this disease, causing a large cyst in the liver or lung or brain and other organs by ingestion of Contaminated vegetables or fluids by dogs or cats feces Which are definitive hosts in the life cycle of this parasite.

# Cystic Echinococcosis

*Echinococcus granulosus sensu lato*



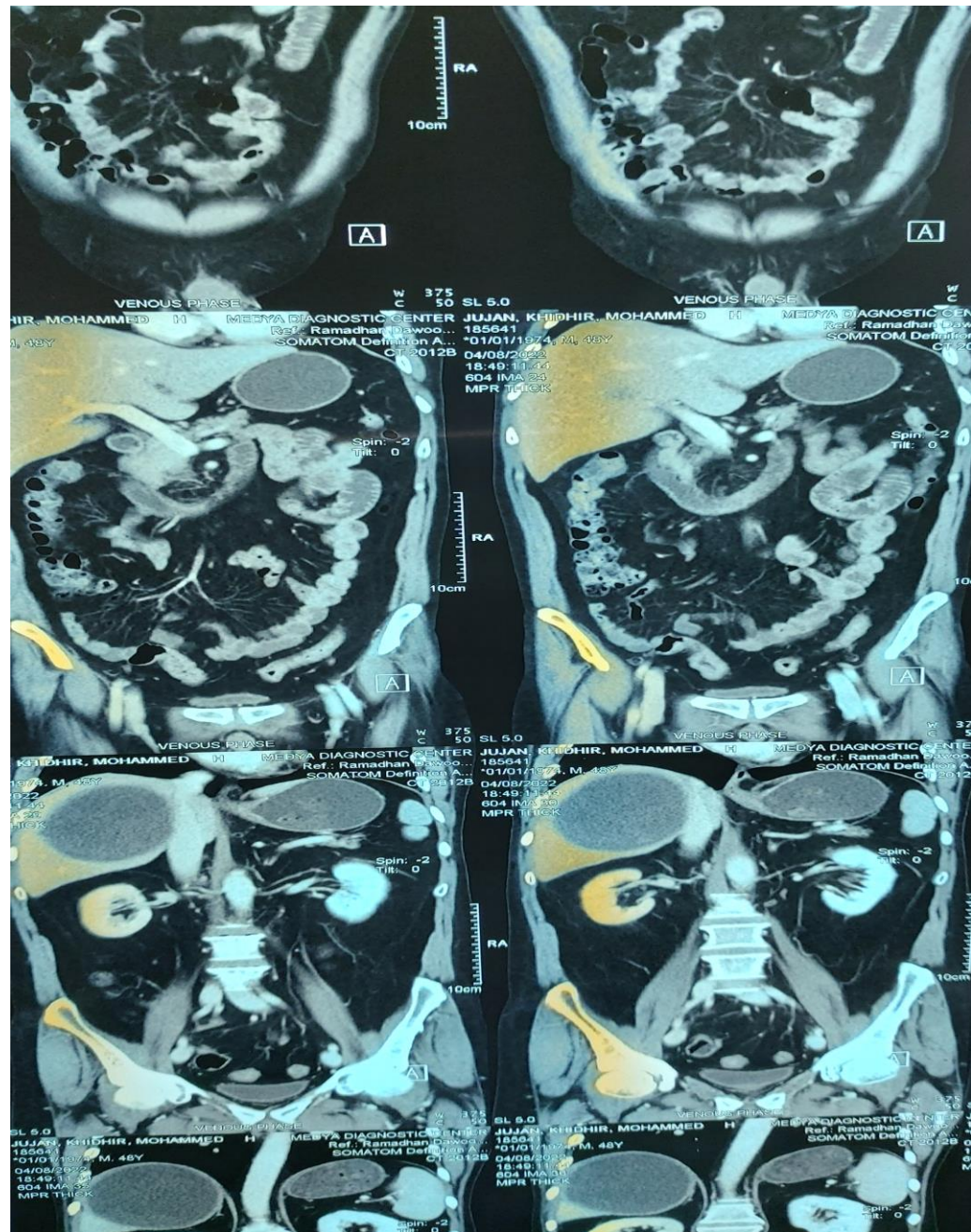
# Surgical procedure :

- Laparoscopic Hydatid cystectomy must be done by expert surgeon.
- Under GA ,By using 3 or 4 small abdominal laparoscopic ports 5 – 10 mm in length, according to the site of HC in the abdomen using special instruments , so it is a sort of minimal access surgery replacing the more aggressive classical open surgery using a large wound about 15-25 cm or more which has more disadvantages for the patient in delayed healing and more surgical complications with cosmetic problems .

- In the laparoscopy, we insufflate CO<sub>2</sub> gas in the abdomen of the patient creating space for working intracorporeally by endoscopy .
- Our aims from this procedure are to decrease the complications and wound infection , incisional hernia , the hospitalization and the cost with rapid recovery and returning to normal life as early as possible ..

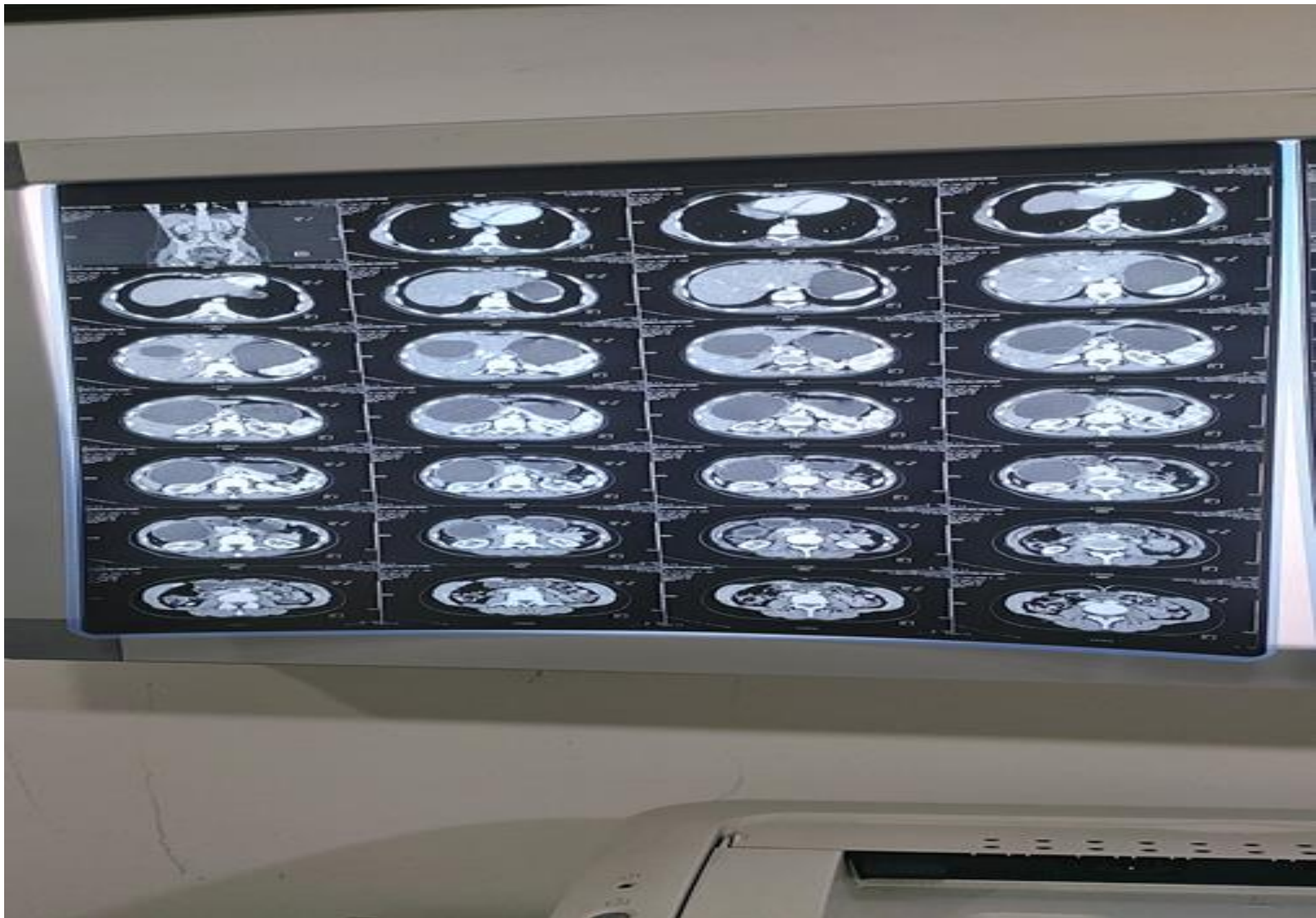
# DIAGNOSIS :

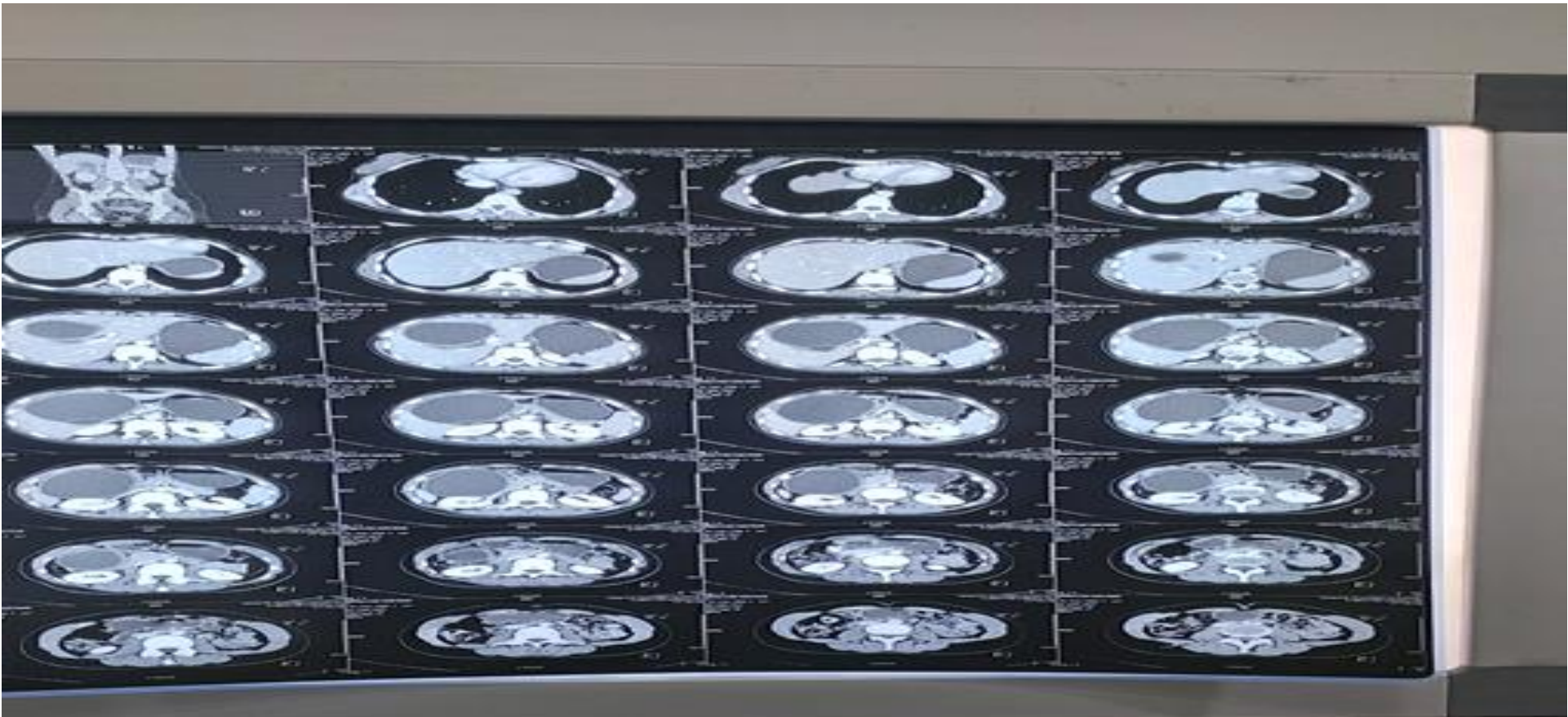
- The diagnosis of Hydatid cyst of liver done :
- Ultrasound of the abdomen , X Ray ,
- Investigations include Casonis test, Elisa coagulation, and Hemagglutination tests .
- CT Scan of Abdomen & Chest is more specific image .

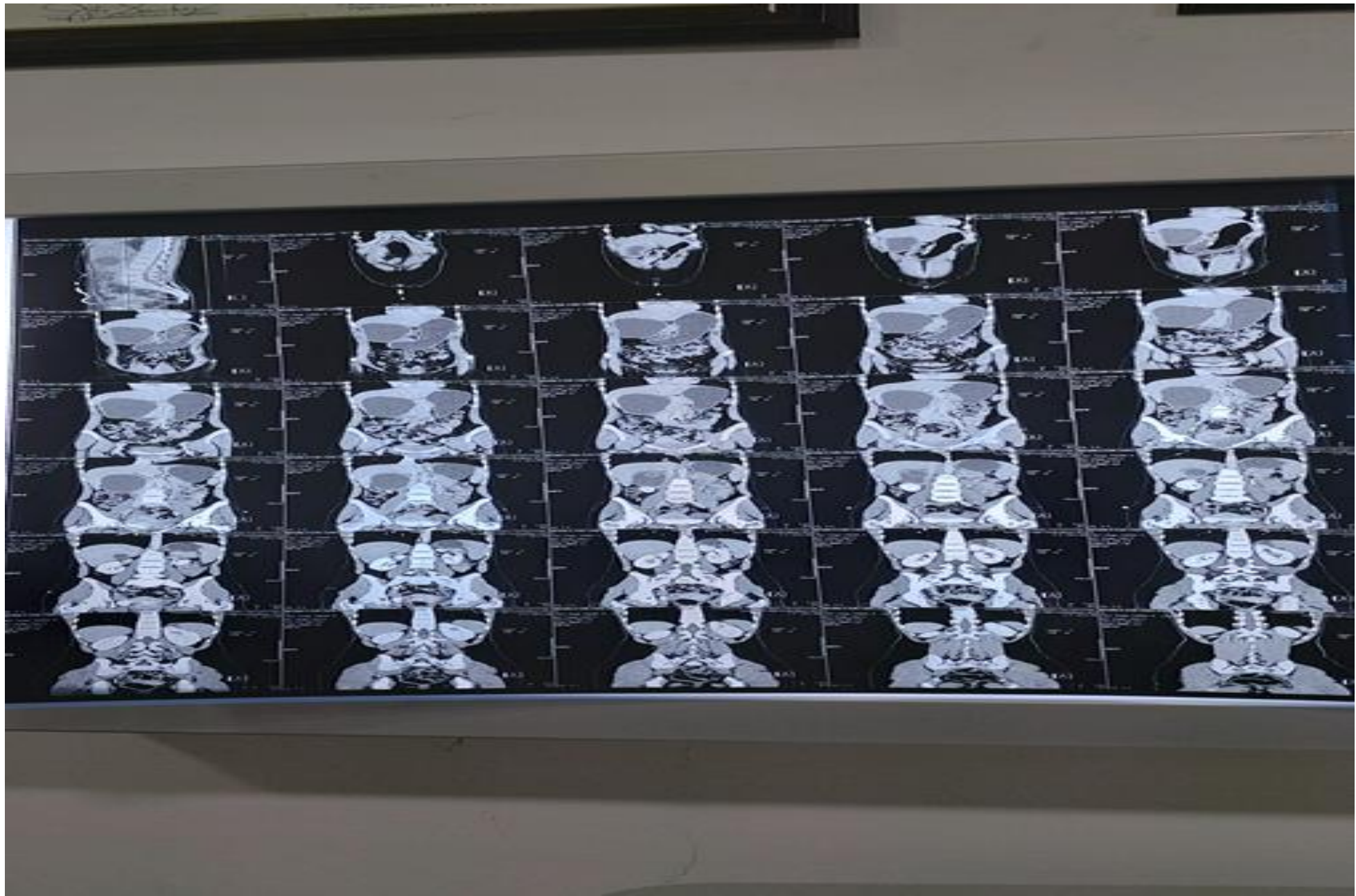




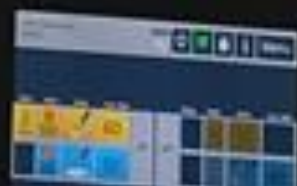












# Treatment options

- Medical treatment :
- Albendazole 200-400mg 2 times daily for 2-3 months , but it is not so effective so it is used in Preoperative and postoperative treatment to prevent recurrence of the disease.
- Subcutaneous Drainage
- Classical Opened Surgery .
- Minimal Access Surgery (Laparoscopic Surgery) .

Thank you!

