



LAPAROSCOPIC REPAIR OF DIFFERENT TYPES DIAPHRAGMATIC HERNIA (A SERIES OF 5 CASES)

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INTRODUCTION

- Most Diaphragmatic hernia in adult are usually Traumatic rarely it may be a late presentation
- Congenital Diaphragmatic Hernia (2-3%).**
- It may be Bochdalek (80-90%)
 - Morgagni (2-3%)
 - Larrey
 - Other anterior & Central tendon defect

TYPES OF HERNIA

- Bochdalek:-
- Morgagni Hernia:-Herniation through right sternocostal hiatus
- Larrey hernia:-Through Left sternocostal hiatus
- Traumatic :- Usually in the dome

PRESENTATION

- In adults :- Non-specific S/S dyspnoea, cough, pain, & recurrent chest infection**
- Sometimes life threatening conditions like obstruction, strangulation, perforation.**

DIAGNOSIS

- X-Ray Chest
- CECT Thorax & Abdomen
- MRI
- Barium Enema

PATIENT DEMOGRAPHICS

	AGE	PRESENTATION	TYPE	SIDE	COMPLICATIONS	FOLLOW-UP
1 ST CASE	42 YRS	CHEST PAIN	TRAUMATIC	RIGHT	UNEVENTFUL	46 MTHS
2 ND CASE	35YRS	DYSPTNOEA, CHEST PAIN	TRAUMATIC	LEFT	UNEVENTFUL	30MTHS
3 RD CASE	62YRS	PAIN ABDOMEN	MORGAGNI	RIGHT	UNEVENTFUL	18 MTHS
4 TH CASE	47YRS	DYSPTNOEA, PAIN ABDOMEN	LARREY	LEFT	UNEVENTFUL	10 MTHS
5 TH CASE	22YRS	CHEST PAIN, DYSPTNOEA, DYSPEPSIA	MORGAGNI	RIGHT	UNEVENTFUL	2 MTHS
6 TH CASE	65 YRS	DYSPTNOEA, PAIN ABDOMEN, VOMITING	LARREY	LEFT	UNEVENTFUL	1MTHS

DIFFERENTIAL DIAGNOSIS

- Intrathoracic tumour
- Atelectasis
- Pneumonia
- Pericardial cyst

MANAGEMENT

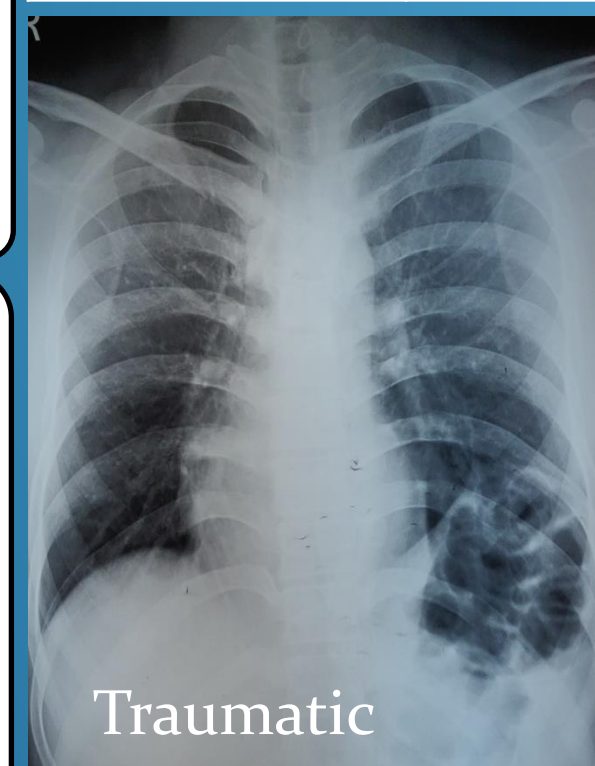
- Surgery is the mainstay of treatment to avoid all future complications
- Trans-abdominal approach
- Trans-thoracic approach
- Laparoscopic repair

ADVANTAGE OF LAPAROSCOPIC REPAIR

- Perfect visualisation of hernial sac
- Easy reduction of content under vision
- Defect can be sutured under magnified view
- Tension free safe stapeling of the mesh on the diaphragm without injuring surrounding structures like peri-cardium & aorta

CONCLUSION

- Laparoscopic repair of all types of uncomplicated diaphragmatic hernia is safe & should be the procedure of choice .
- It provides tension free mesh repair under direct vision



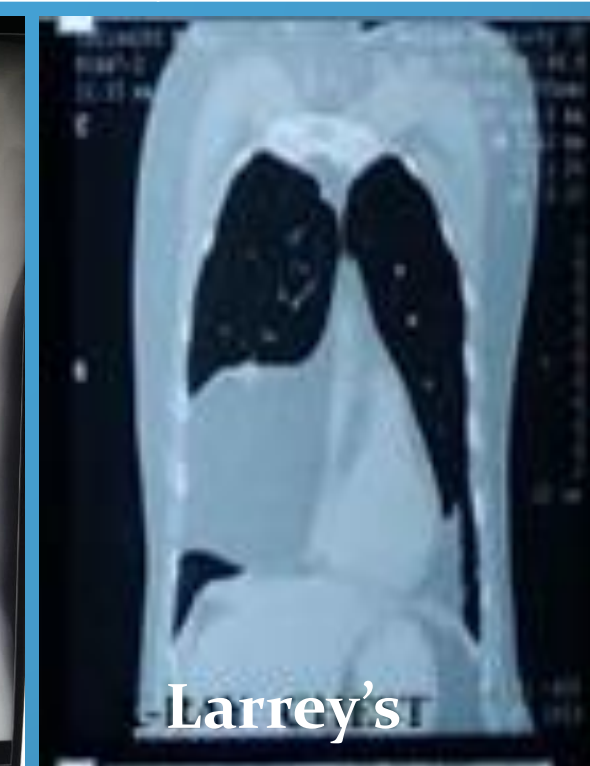
Traumatic



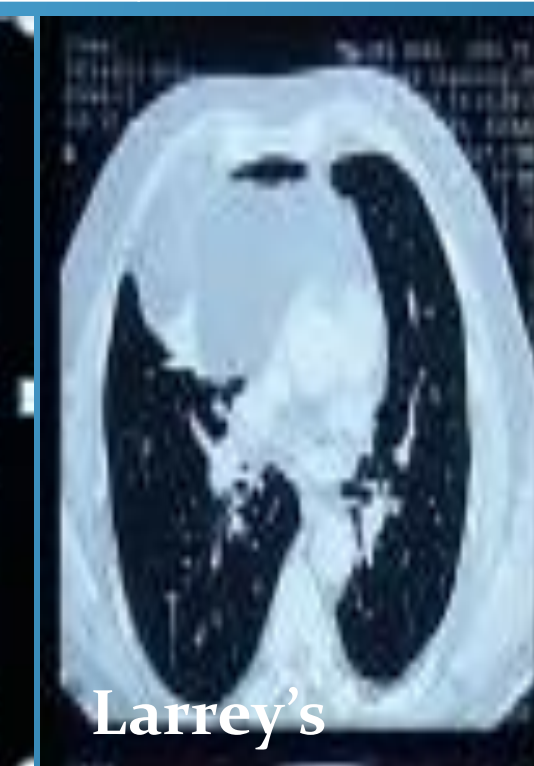
Traumatic



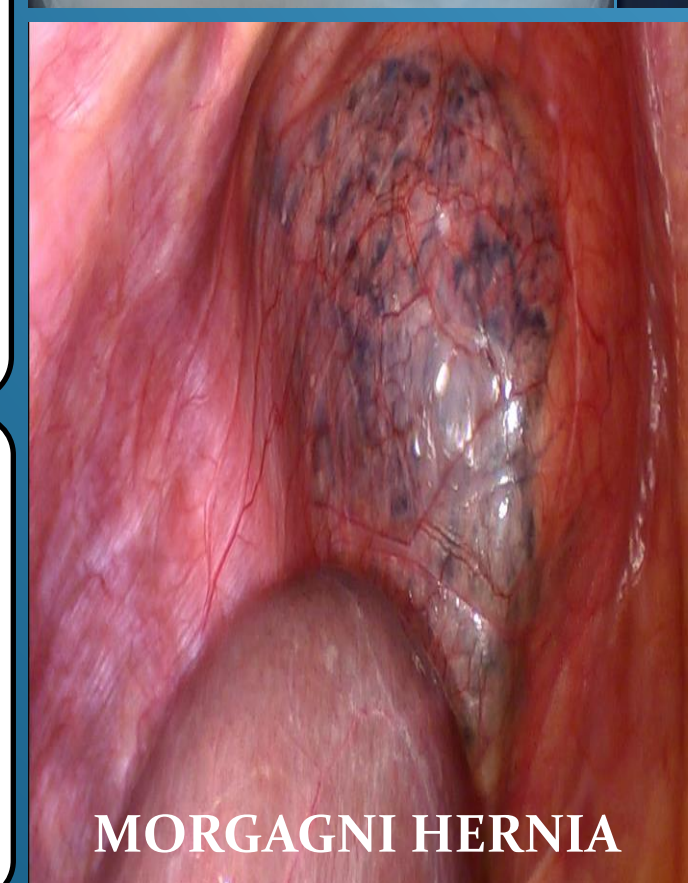
Larrey's



Larrey's



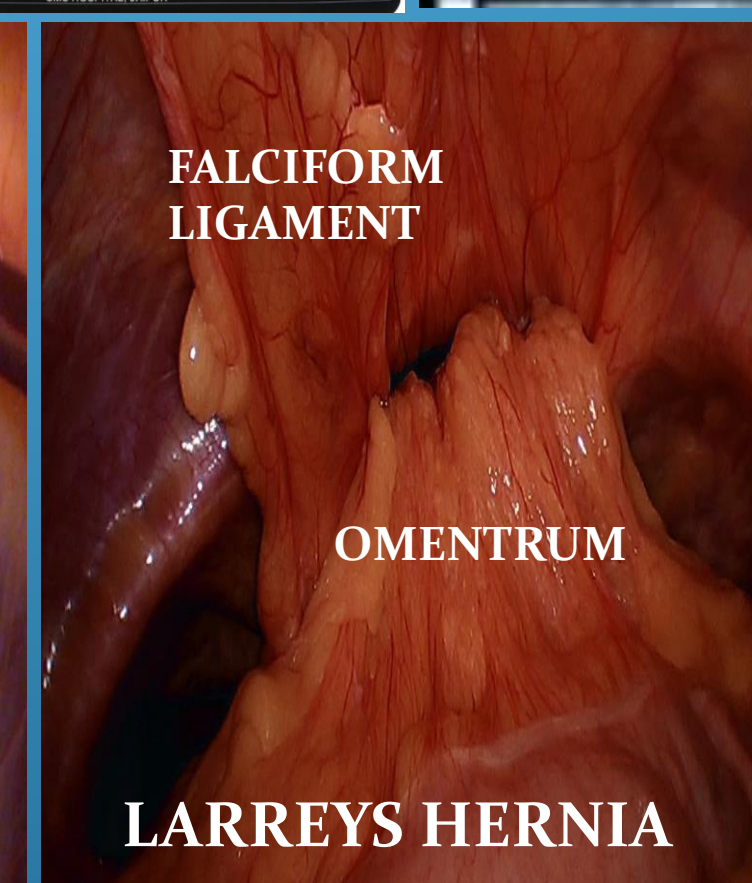
Larrey's



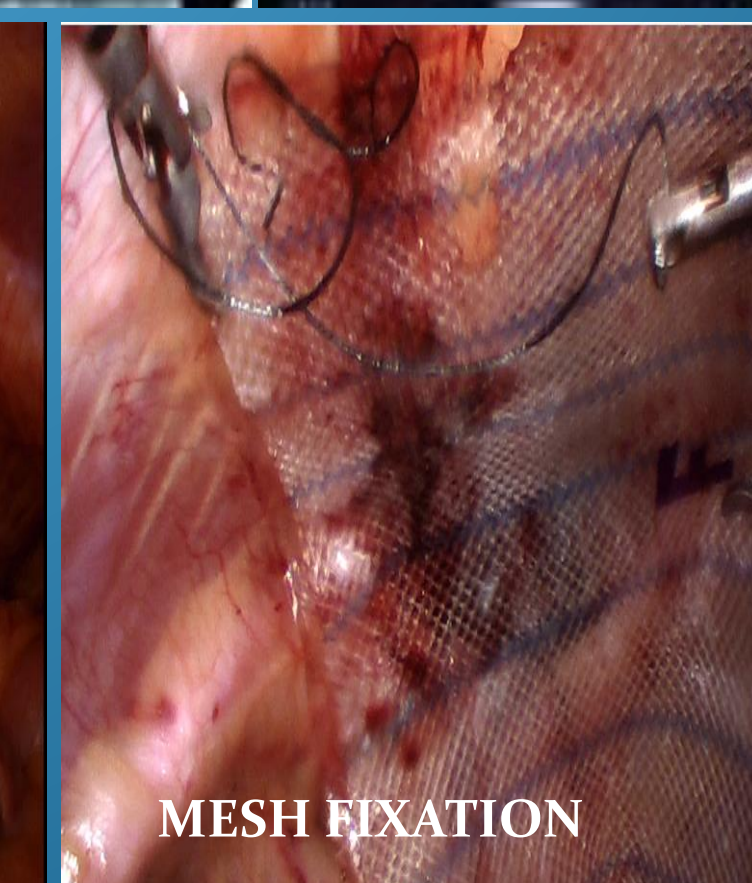
MORGAGNI HERNIA



MESH FIXATION WITH TACKER



LARREYS HERNIA



MESH FIXATION