

Thoracic injury seminar wareed

2023

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- 1,2 ribs : suspects major vessels injuries  
3-9 : mc ti injuries  
10\_12 : suspect liver , spleen injuries

Late sign : cynosis

5 lethal :  
Hemothorax  
Open , tension pneumothorax  
Flial chest  
Cardiac temponade

- Cxr : 90% مشخص

Chest tube :: above ribs

Intercostal nerve block :: below ribs

Bec nerves are below

Main goal in management : pain relief to restore normal respiration

Spontaneous pneumothorax: think thin tall smoker male

3 way dressing : بسمح بخروج الهواء فقط

Tension pneumothorax : clinicaly diagnosis ( unstable )

Under water seal : means tube in pleura ( chest tube )

- Hemothorax ::

Thoractomy indication :

Complete opacification (white lung )

Output >1500 أول ما احط chest tube

Massive hemothorax

Unstable patient

Tension Pneumothorax : normal heart sounds absent air entry

Hemothorax : muffled heart sounds

Lung injury :

Mc : contusion

Mc : blunt

- Cardiac tamponade ::
  - \*Acute : 500 ml : وحدة مثلثا stiffness : decrease systole + diastole : short waves ecg
  - \*chronic : gradual accumulation : less severe

Esophageal injuries: rare : difficult diagnosis and treatment

Diaphragmatic injuries:  
50% diagnosis: intra\_op