

Commonly performed trauma bay procedures

Patrick Kim, MD

Hospital of the University of Pennsylvania

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Objective

- Understand how some common trauma bay procedures are performed
- No disclosures



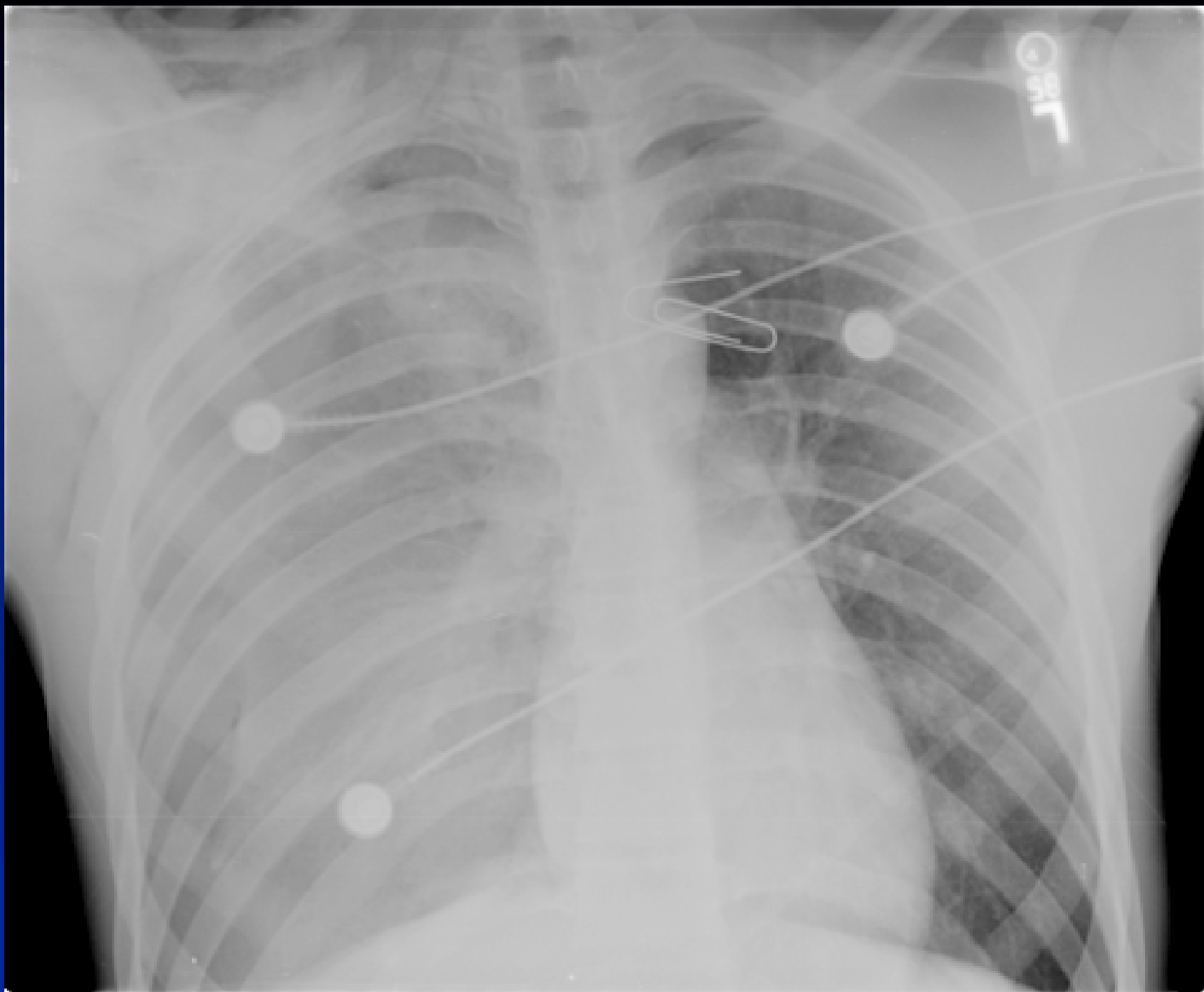
Chest tube (tube thoracostomy)

- Indications
 - Hemothorax
 - Pneumothorax
 - Pleural effusion

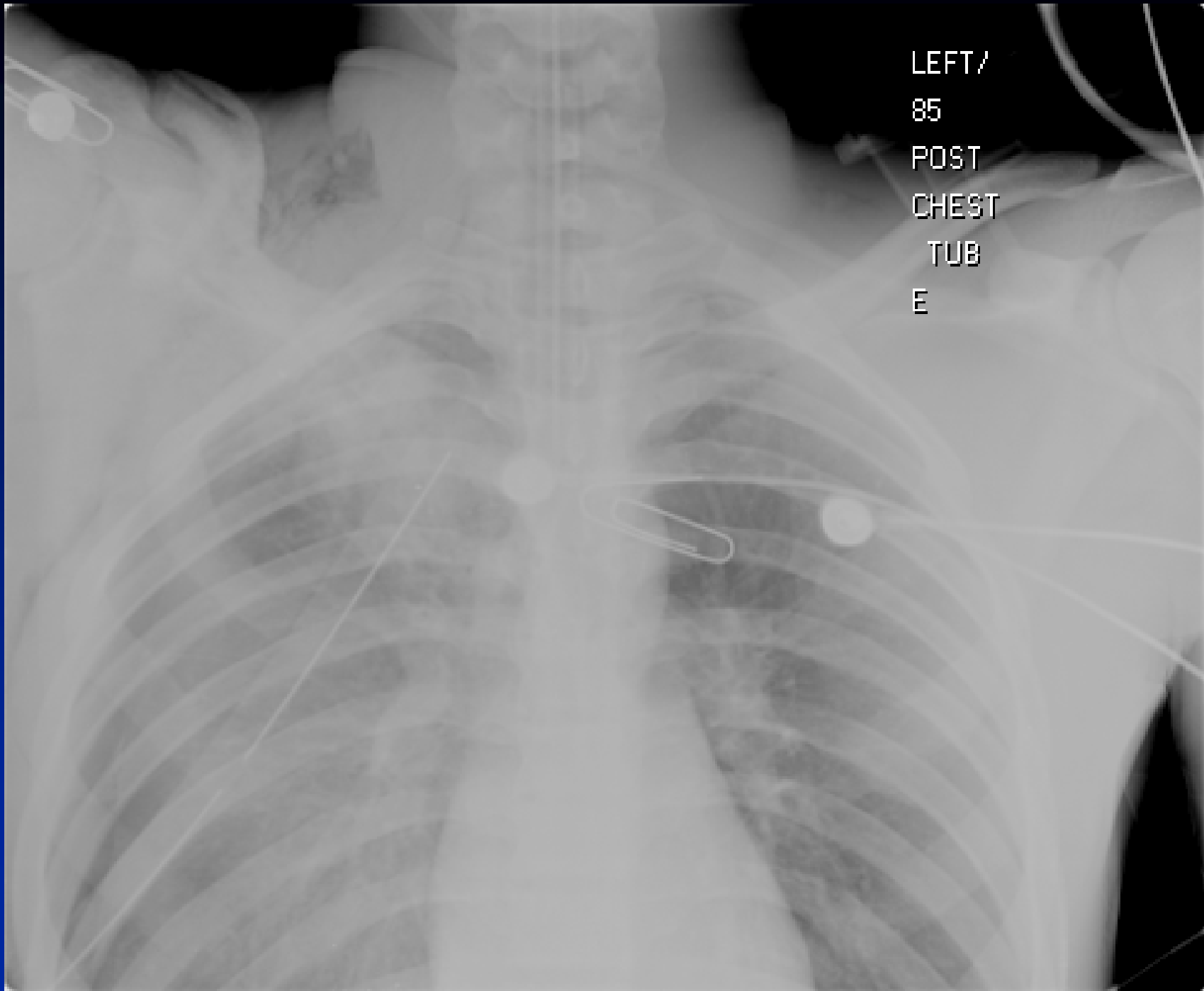
- Video:

<http://www.nejm.org/doi/full/10.1056/NEJMvcm071974>



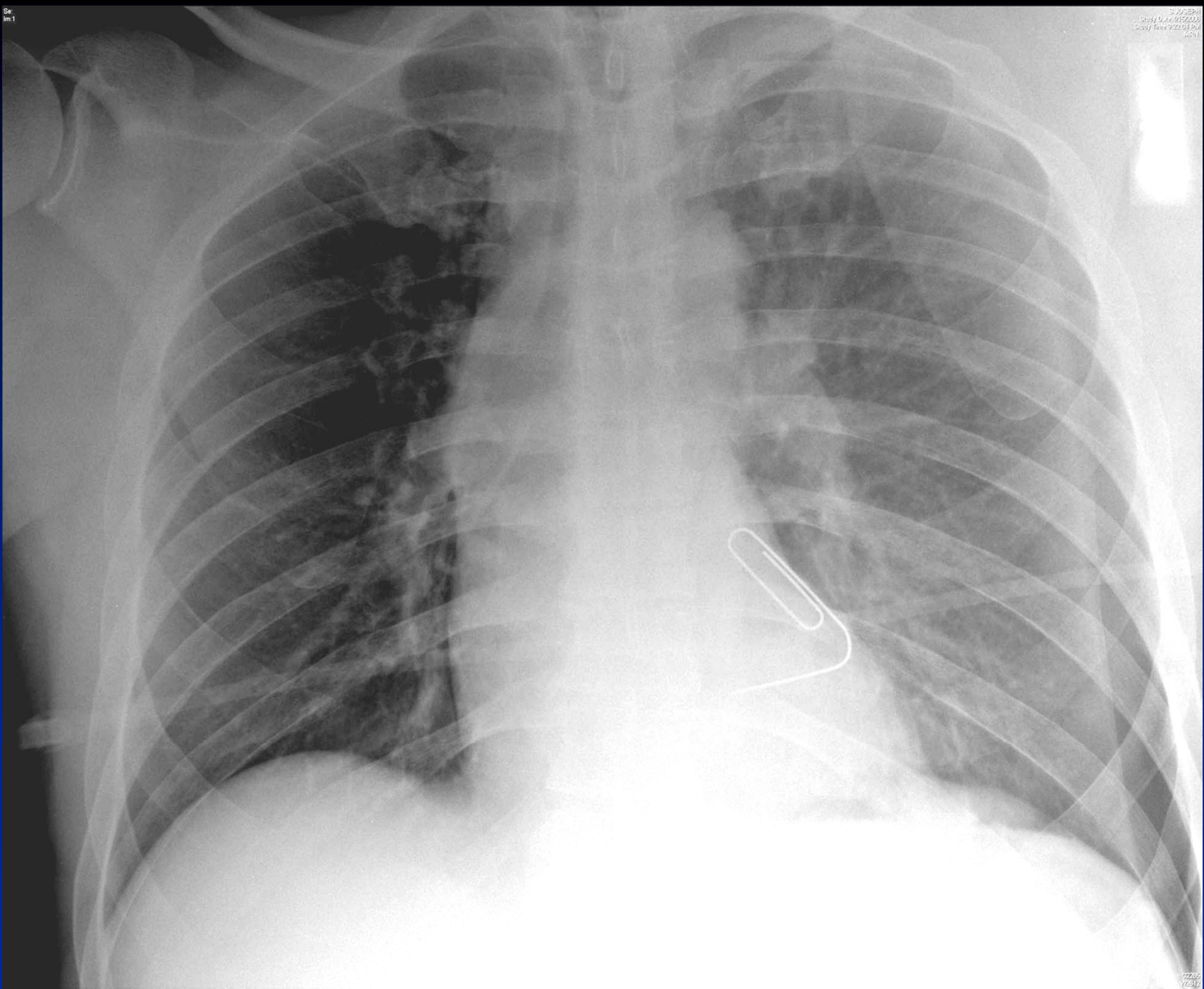


LEFT/
85
POST
CHEST
TUB
E



Sr.
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Study Date: 01/22/2018
Study Time: 9:22:04 PM
AP1



00000000
01/22/2018
9:22:04 PM
AP1

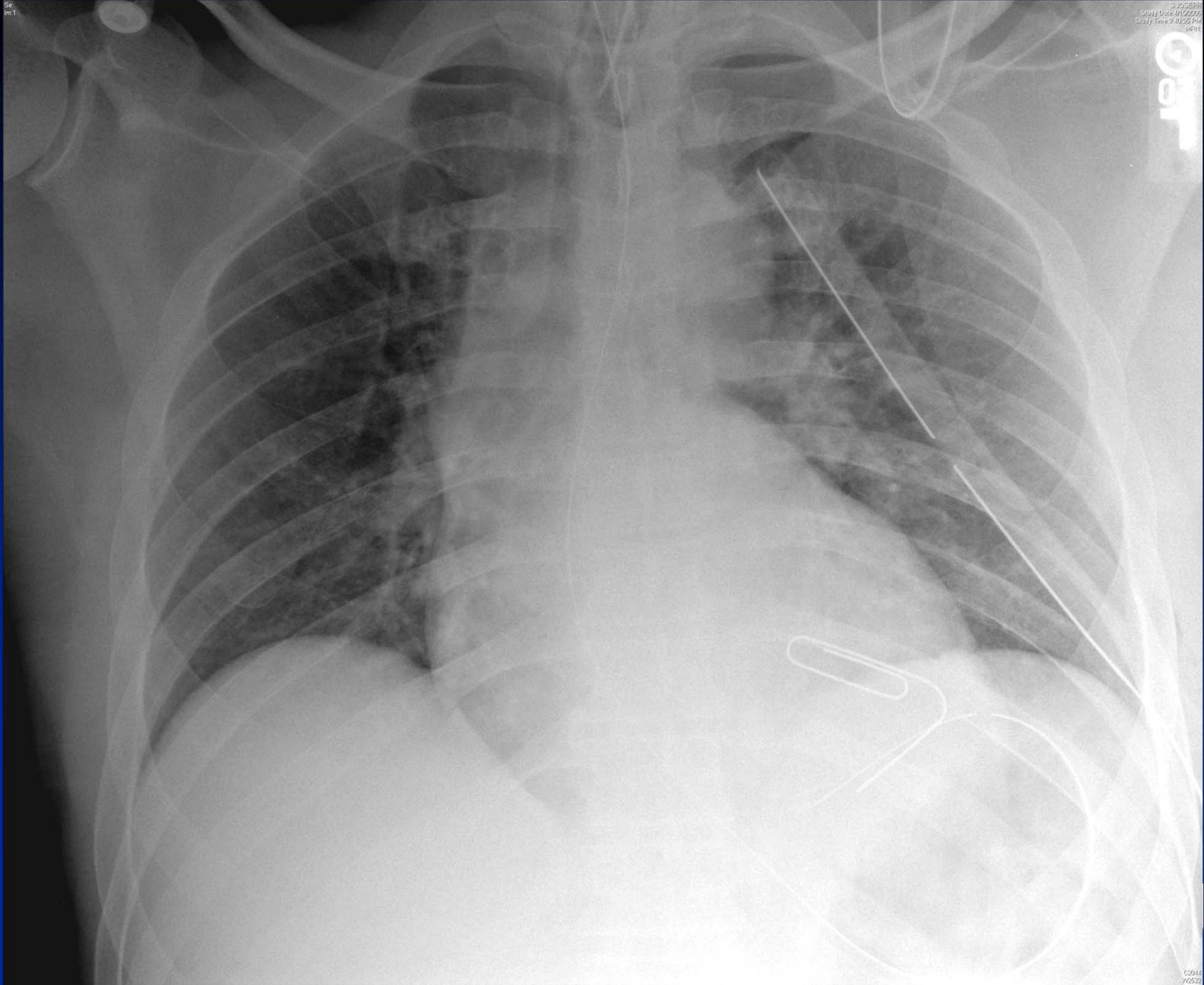


SP

m.1

Supine
Study Date: 4/15/2020
Study Time: 9:42:50 PM
MRA

150



CR04
7652

Needle decompression of chest (needle thoracostomy)

- Indication
 - Tension pneumothorax
- Converts tension PTX into simple PTX.
- Still needs a chest tube!
- Video of needle aspiration (not decompression):

<http://www.nejm.org/doi/full/10.1056/NEJMvcm1111468>



Subclavian vein central line

- Indications
 - Intravenous access
 - Hemodynamic monitoring

- Video:

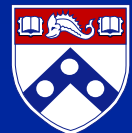
<http://www.nejm.org/doi/full/10.1056/NEJMvcm074357>



Abdominal local wound exploration

- Indication
 - Evaluate depth of penetration of anterior stab wound
- Not = sticking a finger or swab into wound
- Penetration of anterior (sometimes posterior) fascia = O.R.
- Video:

<http://emedicine.medscape.com/article/82869-technique>



Diagnostic peritoneal lavage

- Indication:
 - Evaluate presence of blood or succus in abdominal (peritoneal) cavity
- Usefulness depends on....
 - Mechanism of injury
 - Hemodynamic stability
 - Availability of other diagnostics (FAST, CT)

- Video:

<http://emedicine.medscape.com/article/82888-overview#a15>



Summary

- Urgent procedures in Trauma Bay can be life-saving and help determine further therapies.
- Procedures have many pitfalls.
- Clear thought process is crucial.



Thank you

