

Perlman Emergency Fellowship
NorthShore Health System
Syllabus: Pulmonary

Length: Didactic hours: 10
Lab hours: 2 (includes sim lab, journal club, radiology time, etc)
Clinical hours: TBD

Faculty: Joey Davidson, MD
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Course Description: This emergency medicine fellowship module will outline the pathophysiology, diagnoses and treatment of common pulmonary infections, TB, ARDS, PE and pneumothorax.

Course Outcomes:

1. List and describe the multiple pulmonary infections encountered in the ED and their pathophysiology
2. Outline PPI and droplets/respiratory precautions
3. List HX and PE findings in pt with pneumonia
4. List HX and PE of pt with TB
5. List and Interpret diagnostics for pulmonary infections
6. Develop treatment plan for pt with pneumonia based on etiology with attention to CAP vs hospital acquired
7. Develop acute treatment plan for pt with TB including appropriate placement in hospital

1. Explain etiologies and pathophysiology of the multiple causes of ARDS
2. Describe HX and PE findings in ARDS
3. List and Interpret diagnostics in ARDS including ABGs
4. Develop a treatment plan for a patient in the ED with ARDS

8. Summarize basic use of ventilator

1. Define and discuss pathophysiology of PE
2. Define and discuss pathophysiology of PTX
3. List and compare red flags in HX and PE for pt with PE and PTX
4. Outline acute management of PE and pneumothorax in ED, including chest tube placement
5. Describe indication and contraindications for mechanical ventilation
6. Describe CPAP, BIPAP and mechanical ventilation
7. Define settings for ventilator

Teaching methods: Didactic lectures/discussions, case studies, assigned readings, and other materials as assigned. Participation in simulation and other lab experiences. Precepted clinical hours.

Evaluation:

1. Weekly meeting with Fellowship Director to include discussion of exemplar case from clinical experiences
2. Simulation case study with evaluation
3. Evaluation of clinical preceptor
4. Evaluation of clinical procedures log

Course materials :

Tintinalli, J. E., Stapczynski, J.S., Cline, D.M., Ma, O.J., Cydulka, R.K., Meckler, G. D. (2011) Tintinalli's Emergency Medicine A Comprehensive Study Guide (7th edition)
Adams , J.G., Barton, E.D, Collings, J., DeBlieux, P.M., Gisondi, M.A., Nadel, E.S., Emergency Medicine (2008).
Additional materials as assigned

Attachments:

1. Topical outline
2. Schedule
3. Details related to assignments, if any
4. Locations of clinical experiences and information about the site
5. Procedure list