## Teaching Script

**Author:** Stephanie Scheffler, DO  
**Topic:** Use of chest physiotherapy in Patients Hospitalized with Community Acquired Pneumonia

| Identify the Trigger  
*Based on patient situation/learner* | For a patient hospitalized with community-acquired pneumonia, resident states that they “have ordered chest physiotherapy (CPT) to help treat the pneumonia.” |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| **High Yield Teaching Point**  
*What do they need to know that will impact their care of patients?* | Evidence shows that CPT has not been proven to decrease hospital length of stay or improve clinical resolution of community-acquired pneumonia. |
| **Identify EBM**  
This was a randomized controlled trial that included patients between 1 – 12 years of age who were hospitalized for clinical and radiological diagnosis of PNA. Seventy-two patients were randomly allocated between the intervention and control groups. No significant difference was noted in respiratory rate, severity score, or length of stay between the two groups. In conclusion, this trial suggests that there are no clinical benefits of CPT for pneumonia patients.  
This study concludes that CPT is not recommended for routine treatment of uncomplicated pneumonia. For patients with neuromuscular disease, respiratory muscles weakness, or impaired cough, airway clearance such as cough assistance can be useful. For postoperative patients, early mobility and ambulation are more effective than CPT at reducing postoperative complications such as atelectasis. Airway clearance is not recommended for routine postoperative care. |
Describe Strategy
Interactive, analogies, visuals

One Minute Preceptor

Keep Script Brief
3-5 minutes; what are your key points

Get commitment: “So you want to order chest physiotherapy on your patient admitted for community-acquired pneumonia?”
Probe for evidence: “Why?”
General Rule: Evidence shows that CPT does not decrease hospital length of stay or improve clinical resolution time in patients hospitalized for community-acquired pneumonia.
Reinforcing/Constructive Feedback: Depends on learner’s answer/response.

Additional script: “What conditions could CPT be used as an effective adjunctive therapy?”
CPT has not found to be effective in routine postoperative patients to prevent atelectasis, or in patients with the ability to mobilize secretions and cough without assistance. Encouraging ambulation and mobilization is more effective.

It may be effective in patients with cystic fibrosis or with neuromuscular disease or chronic respiratory insufficiency.


Please click to complete a short 2-minute survey!
Teaching Script ID #: 26
https://redcap.choa.org/redcap/surveys/?s=3MYER3FPKT