Does Simulation for Massive Hemoptysis Management Improve Competence?

**STUDY DESIGN**

- Manikin-based simulation curriculum designed using Kern’s six steps for pulmonary and critical care medicine fellows.
- Simulation used repetitive practice, clinical variation, range of difficulties, and directed feedback in a group practice setting.
- Competence assessed using combined metric of management-related priorities and global entrustment.

**RESULTS**

- Fellowship self-assessed knowledge and confidence in hemoptysis management and endobronchial blocker placement improved significantly after simulation.

*pSignificant, *P* = .0067

Global Assessment Scale

1 - Should not perform
3 - Needs assessment
5 - Independent

Time to successful management

Performance and entrustment

Hemoptysis simulation experience improves fellow confidence and skill for management of this high-acuity, low-occurrence presentation.