Training guided by this novel artificial intelligence (AI) makes novices perform more complete, more systematic, and faster bronchoscopies.

**STUDY DESIGN**
- Randomized controlled trial in a standardized simulated setting
- Novices without former bronchoscopy experience performed on an ultrasonic bronchoscopy simulator

**RESULTS**
- Onscreen labels indicate the currently visualized segments.
- Lung tree diagram indicates inspected areas in dark green and visualized areas in light green. Structured progression score turns green for each progression that results in a point and red if the progression to the segment did not result in a point.

**MEDIAN DIFFERENCE IN FG MET STATISTICAL SIGNIFICANCE IN:**
- Diagnostic completeness (3.5 segments)
- Structured progress (13.5 correct progressions)
- Procedure time (-214 seconds)