

Does the 19 G EBUS Needle Offer Greater Diagnostic Yield and Sensitivity for Sarcoidosis or Lymphoma vs the 21 G and 22 G Needles?



STUDY DESIGN

- Retrospective study of **730 patients** from SCOPE database who underwent endobronchial ultrasound (EBUS) for suspected sarcoidosis, lymphoma, or undiagnosed mediastinal lymphadenopathy
- Performed propensity score analysis of EBUS-transbronchial need aspiration (TBNA) with
- 19 G needle group versus group with a 21 G or 22 G needle

RESULTS

	Needle Size Used for EBUS-TBNA	
	19 G	21/22 G
Patients	N=137	N=274
Diagnostic Yield (%)	107/137 (78.1%)	194/274 (70.8%)
Sensitivity for Sarcoidosis Diagnosis	80/84 (95.2%)	150/156 (96.2%)
Sensitivity for Lymphoma Diagnosis	10/13 (76.9%)	12/12 (100%)

There was no identified advantage using 19 G EBUS needle over the 21 G/22 G EBUS needles for diagnostic yield nor sensitivity for sarcoidosis or lymphoma.