

Innovation in lung cancer screening, treatment

VIDEO	AUDIO
	A lung nodule or lesion is an abnormality revealed on a CT scan that looks like a cancer.
	And to find out if it is cancer, doctors may recommend a technique called bronchoscopy.
Janani Reisenauer, M.D. Thoracic Surgery/Pulmonary Medicine Mayo Clinic	"Very similar to having a colonoscopy performed where somebody is holding a scope. They're twisting the dials on that scope as they're maneuvering that scope through your airway or through your intestines for example."
	That's a traditional manual bronchoscopy. Dr. Janani Reisenauer says Mayo Clinic is one of only a handful of medical centers approved by the Food and Drug Administration to use robotic bronchoscopy.
	"I would think about robotic bronchoscopy as a remote-controlled car. It doesn't go anywhere without you driving it and telling it where to go. But rather than me holding a scope that's maneuvered through a patient, the scope is docked to a robotic instrument."
	Offering more precision, flexibility and control than a traditional bronchoscopy.
	She says it improves the ability to not only diagnose lung cancer, but now, in some cases, treat it.
	"Mayo Clinic is participating in many cancer trials now, where we are treating lung nodules with a variety of ablative mechanisms. So we're either using extreme heat or cold, or even in some cases electricity. Or viruses injecting into tumors to try to reduce tumor burden or kill tumors."
	For the Mayo Clinic News Network, I'm Jason Howland.