

FACT SHEET: The Olympus EBUS Solution is the only platform offering both curvilinear and radial EBUS in a single compact ultrasound processor

- The Olympus EBUS Solution is the only platform that offers both curvilinear and radial [EBUS](#) capabilities in a single ultrasound processor, the EU-ME2, for enhanced procedural and cost efficiencies. With the introduction of new lung cancer screening recommendations and new ACCP guidelines, the number of curvilinear and radial EBUS procedures is forecasted to increase significantly.
- *Understanding EBUS-TBNA:* [EBUS-TBNA](#) uses a bronchoscope equipped with ultrasound capabilities to “see” beyond the walls of the airways to detect, in real time, the precise location of lymph nodes. The lymph nodes can then be sampled using the Olympus ViziShot EBUS TBNA needle. EBUS-TBNA technology provides visualization of the target lymph node and the needle so that the physician can visually guide the needle in real-time to the intended site to obtain the sample.
- *Understanding Radial EBUS:* [Radial EBUS](#) enables more accurate sampling of nodules in hard-to-access areas in the periphery of the lungs. It involves inserting a small ultrasound probe (radial EBUS probe) down a flexible bronchoscope. The resulting real-time ultrasonic image is displayed on a monitor to confirm the position of the lesion. Confirmation of lesion location has been proven to help physicians increase the diagnostic yield during a peripheral bronchoscopy procedure. Following location confirmation of the target, the probe is withdrawn and a biopsy sampling device is inserted down the scope to collect tissue samples for biopsy.
- *ACCP Lung Cancer Guidelines:* EBUS-TBNA is now recommended over surgical staging (mediastinoscopy) for mediastinal staging of lung cancer as a best first test. EBUS-TBNA offers a nonsurgical solution to real-time ultrasound-guided sampling of tissue from the anterior and posterior mediastinum and hilar regions. Radial EBUS is recommended as an adjunct imaging modality for patients who have a peripheral lung nodule and when a tissue diagnosis is required because of diagnosis uncertainty or poor surgical candidacy. Radial EBUS can confirm the ideal location of bronchoscopic sampling and increase the diagnostic yield over conventional bronchoscopy for peripheral lung nodules.
- *USPSTF lung cancer screening recommendations:* In 2011, the National Lung Screening Trial found a mortality benefit of at least 20 percent in long-term smokers who underwent annual low-dose CT screening. New recommendations from the U.S. Preventive Services Task Force call for more proactive lung cancer screening of long-term smokers. It is forecasted this will increase the need for reliable methods of assessing peripheral lung nodules. Radial EBUS offers a minimally invasive method for confirming the location of peripheral lung nodules for more accurate sampling to determine if they are benign or malignant. On February 5, 2015, The Centers for Medicare and Medicaid Services issued a final national coverage determination that provides Medicare coverage of screening for lung cancer with low dose computed tomography (LDCT).
- *EBUS’ role in diagnosing and staging lung cancer:* According to Lung Cancer Alliance data, lung cancer is the leading cause of all cancer-related deaths in the United States among every ethnic group, taking more lives than breast, prostate and colon cancers combined. Only 15 percent of lung cancer is diagnosed at its earliest and most curable stage, and more than 55 percent of cases are diagnosed after the cancer has metastasized. EBUS-TBNA and radial EBUS are proven techniques for reliable, minimally invasive diagnosis and lung cancer staging. Both methods are beneficial for patient care and support cost-sensitive goals since each procedure can be performed on an outpatient basis instead of requiring a

more complex procedure or surgery. They also may reduce the number of required procedures as well as the number of complications that can arise from other diagnostic modalities.

- *Key benefits help facilities provide better care:* The Olympus EBUS Solution can help bronchoscopy and thoracic surgery departments meet the triple aim of healthcare reform by helping to increase quality of care, decrease costs and enhance patient satisfaction.

- *For more information about lung cancer, call or visit:*

**American Lung
Association**
800-586-4872
www.lungusa.org

Lung Cancer Alliance
800-298-2436
www.lungcanceralliance.org

Lungcancer.org
800-813-4673
www.lungcancer.org

**National Cancer
Institute**
800-422-6237
www.cancer.gov

- *For additional information about EBUS-TBNA:*
Visit www.medical.olympusamerica.com/products/ebus-tbna
- *For additional information about Radial EBUS:*
Visit www.medical.olympusamerica.com/products/ebus-radial