AB012. CT-guided localization with laser angle guide for thoracic surgical procedures: the technique

Frank Cheau-Feng Lin

Department of Thoracic Surgery, Chung Shan Medical University Hospital, Taichung, Taiwan

Background: CT-guided lung procedures such as preoperative localizations, biopsies, and ablations are associated with morbidity and mortality. Often, the puncture angle is determined by the ‘experienced hand’ without a precise guide. Last year we have reported the initial report of the lung tumor ablation with this system. But the technique details had not been reported.

Methods: We describe here the technique of Laser Angle Guide Assembly® (LAGA) to direct and steer the puncture angles. It helps the CT-guided lung invasive procedures smoothly.

Results: The LAGA has also been applied to 101 low-dose CT-guided preoperative localizations successfully.

Conclusions: It decreases procedure-related complications, saves time, reduces costs, avoids repeated punctures, and minimizes radiation exposures.

Keywords: CT-guided; laser-angle-guide; localization; lung

doi: 10.21037/jtd.2017.s012