

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

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**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

**Cite this abstract as:** Lin FC. CT-guided localization with laser angle guide for thoracic surgical procedures: the technique. *J Thorac Dis* 2017;9(Suppl 14):AB012. doi: 10.21037/jtd.2017.s012