BIOSENTRY TRACT SEALANT SYSTEM
PLUG. PREVENT. PROTECT
Clinical study from MD Anderson Cancer Center denotes a 61% reduction in chest tubes

**HIGHLIGHTS:**

- 37% reduction of pneumothorax and 61% reduction of chest tube placement
- Although the BioSentry System was more frequently used in high-risk patients in the unmatched group, it still demonstrated reduced risk of pneumothorax
- Use of BioSentry System presents a standardized method for mitigating complications post CT-guided lung biopsy for clinicians

**STUDY DESIGN:**

Retrospective study, comparing patients receiving BioSentry device (318) vs control arm (1956) during percutaneous lung biopsy. To adjust for potential selection bias, patients in the treated group were matched 1:1 to patients in the control group using propensity score matching.

ARR = Absolute Risk Reduction  
RRR = Relative Risk Reduction

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All-comers study demonstrates 80% reduction in chest tube insertion rates when using BioSentry

**HIGHLIGHTS:**

- The treatment group demonstrated a significant reduction in chest tube placements
- With the BioSentry System, patients experienced an 83% reduction in average time of hospital stay post CT-guided percutaneous transthoracic needle biopsy

**STUDY DESIGN:**

Retrospective review of 200 consecutive patients (100 consecutive biopsies were done without any intervention and the next 100 consecutive biopsies done with the BioSentry System).

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**INDICATIONS FOR USE:** The BioSentry TRACT SEALANT SYSTEM is indicated for sealing pleural punctures to significantly reduce the risk of pneumothoraces (air leaks) associated with percutaneous, transthoracic needle lung biopsies and to provide accuracy in marking a biopsy location for visualization during surgical resection.

**Warning:** The BioSentry TRACT SEALANT SYSTEM can only be used with a 17 and 19 gauge coaxial introducer needle.

This instrument should only be used by a physician familiar with the possible side effects, typical findings, limitations and contraindications of lung biopsies. Physician judgment is required when considering biopsy on patients with bleeding disorders, receiving anticoagulant medications, or with bullous emphysema at or near the biopsy site.

Please refer to Directions for Use for further information pertaining to risks/contraindications. CAUTION: Federal Law (USA) restricts this device to sale by or on the order of a physician.