

**Thoracostomy Tube Irrigation: A Multi-Center Trial Investigating its Efficacy in the Reduction of
Secondary Intervention for the Management of Retained Hemothorax**

Data Sheet

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Demographics / Injury Variables:

Medical Record #: _____ *(local use only, no identified data will be entered in REDCap)*

Name: _____ *(local use only, no identified data will be entered in REDCap)*

Age: _____

Sex: Female Male

Race: Caucasian African American Asian American Indian or Alaska Native
Native Hawaiian / Other Pacific Islander Missing Other: _____

Ethnicity: Not Hispanic or Latino Hispanic or Latino Missing Other: _____

BMI: _____

Injury Data:

Date of Injury: _____ *(local use only, no identified data will be entered in REDCap)*

Patient presented to hospital within 24 hours of injury: YES / NO

Mechanism of Injury: GSW SW MVC MCC Pedestrian Struck Fall Other _____

ISS: _____

Chest AIS: _____

Number of rib fractures: _____

Diaphragm injury: YES / NO

Thoracostomy Tube (TT) Data:

Date of TT placement: _____ (local use only, no identified data will be entered in REDCap)

Attending of record at TT placement: _____

TT Indication: Hemothorax Hemopneumothorax

Side of TT placement: Left Right Bilateral

TT placed within 6 hours of presentation: YES / NO

TT placed within 24 hours of presentation: YES / NO

TT irrigated: YES / NO

Initial TT volume evacuated prior to irrigation: _____ mL **or** N/A

Initial TT volume evacuated following irrigation: _____ mL **or** N/A

Total volume irrigated: _____ mL **or** N/A

Size of TT: 28 Fr 30 Fr 32 Fr 36 Fr

Antibiotic(s) given for TT placement: YES / NO Antibiotic(s) given: _____

Daily TT output

Daily TT management (circle one)

Day 1 TT output: _____ mL

Waterseal Suction

Day 2 TT output: _____ mL

Waterseal Suction

Day 3 TT output: _____ mL

Waterseal Suction

Day 4 TT output: _____ mL

Waterseal Suction

Day 5 TT output: _____ mL

Waterseal Suction

Day 6 TT output: _____ mL

Waterseal Suction

Day 7 TT output: _____ mL

Waterseal Suction

Day 8 TT output: _____ mL

Waterseal Suction

Day 9 TT output: _____ mL

Waterseal Suction

Day 10 TT output: _____ mL

Waterseal Suction

If TT is in place longer than 10 days, record daily outputs and management

Radiology Results: *(Routine, daily CXRs not required. Obtain CXRs per divisional policies or as clinically indicated.)*

CT/CXR results prior to TT placement: _____

CT/CXR results after TT placement (+/- irrigation): _____

Day 1 CT/CXR results: _____

Day 2 CT/CXR results: _____

Day 3 CT/CXR results: _____

Day 4 CT/CXR results: _____

Day 5 CT/CXR results: _____

Day 6 CT/CXR results: _____

Day 7 CT/CXR results: _____

Day 8 CT/CXR results: _____

Day 9 CT/CXR results: _____

Day 10 CT/CXR results: _____

Post-TT Removal CT/CXR results: _____

If TT is in place longer than 10 days, please record any CXRs obtained

Outcomes:

Date of removal of TT: _____ *(local use only, no identified data will be entered in REDCap)*

Duration (in # of days) of TT placement: _____

Attending of record at decision for secondary intervention: _____

Indication for secondary intervention: HTx HPTx PTx Air leak Other: _____

TT Day of secondary intervention / operation: _____

Attending of record at operation: _____

Secondary intervention(s) performed: Second TT placement VATS Thoracotomy tPA

Other

If Other, list: _____

List sequence of secondary interventions if more than 1 is performed: _____

Intra-operative findings: _____

Hospital Data:

Admission Date: _____ *(local use only, no identified data will be entered in REDCap)*

Discharge Date: _____ *(local use only, no identified data will be entered in REDCap)*

Hospital Length of Stay (days): _____

ICU Length of Stay (days): _____

Complications:

Respiratory Complication Data: *(check all that apply)*

Retained Hemothorax: _____

Respiratory failure: _____

Empyema: _____

Unplanned Intubation: _____

Pneumonia: _____

Ventilator days: _____

Post-pull pneumothorax on CT/CXR: YES / NO

Post-pull pneumothorax required replacement of TT: YES / NO

Post-pull effusion on CT/CXR: YES / NO

Post-pull effusion required replacement of TT: YES / NO

Clinic follow-up: YES / NO

Follow-up CT/CXR: YES / NO

Follow-up CT/CXR results: _____

30 day readmission for thoracic reason: YES / NO

Reason for readmission: _____

Re-Intervention after Discharge: TT placement VATS Thoracotomy tPA

In hospital mortality: YES / NO