



The Society of Thoracic Surgeons General Thoracic Surgery Database Data Collection Form Version 2.06

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A. Demographics **Participant ID:** |_|_|_|_|_|_|_|_|

Medical Record # _____

First Name: _____ MI: _____ Last: _____ SSN: _____

Date of Birth: __/__/__ Age: _____ Postal Code: _____

Gender: (Male) (Female) **Race:** (Caucasian) (Black) (Hispanic) (Asian) (Native American) (Other)

B. Admission

Zubrod Score _____ Surgeon: _____ Hospital: _____

Hospital Postal Code _____ Admission Date __/__/__ Surgery Date __/__/__

C. Pre-Operative Risk Factors

Height _____(cm) _____(In) Weight _____(kg) _____(lbs) Wt loss over last 3 months? Enter "0" if none _____(kg)

Category of Disease (select one)

Trachea - Malignant Pleura - Neoplastic

Trachea - Benign Pleura - Infection → **If Lung or Pleural Infection: (select one)**

Lung - Primary Pleura - Other (Gram-(+) bacteria) (Gram-(-) bacteria) (Fungal) (Mycobacterium Tuberculosis)

Lung - Benign Esophagus - Primary (Multi-drug resistant tuberculosis) (Mycobacterium other than tuberculosis) (Culture (-))

Lung - Infection Esophagus - Benign

Mediastinum Primary Chest Wall

Metastases - Lung Trauma → Trauma Requiring OR Intervention: (No) (Yes) if yes, select type: (Penetrative)

Metastases - Other Other (Non-penetrative)

Co-Morbidities (Select all that apply)

None PreOp Chemotherapy → Indicate When: (Any time - same disease) (Within 6 mths – unrelated) (> 6 mths – unrelated)

Hypertension PreOp Thoracic RT → Indicate When: (Any time - same disease) (Within 6 mths – unrelated) (> 6 mths – unrelated)

Steroids Prior CTS → If Prior CTS, when: (Prior Admission) (Current Admission)

CHF Other

Coronary Artery Disease

Peripheral vascular disease

Tobacco use? (Select all that apply) **When Patient Quit Smoking: (Select one)** Never Smoked

None Pipe/Cigar 0 – 14 days preop (Current smoker)

Smokeless Other > 14 days and <= 1mo preop

Cigarettes → **Pack-Years** _____ > 1mo and <=12 mo preop

>12 months preop

Cerebrovascular History **Diabetes : (Yes) ↓ (No)** **Renal insufficiency History**

No CVD history **Diabetes control:** None No renal insufficiency

Any reversible event Diet Creatinine >= 2

Any irreversible event Oral Dialysis of any type

Insulin

Clinical Staging **Preoperative PFT'S**

Clinical Stage not applicable PreOp PFT's NOT done

		Not Done	%Predicted	Actual
Clinical Stage T: (1) (2) (3) (4) (X) (O) (S)				
Clinical Stage N: (1) (2) (3) (X) (O)	FVC	<input type="checkbox"/>	_____	_____
Clinical Stage M: (1) (X) (O)	FEV ₁	<input type="checkbox"/>	_____	_____
(Esophagus): (M1a) (M1b)	DLCO	<input type="checkbox"/>	_____	_____

D. Procedures**ASA Class:** (I) (II) (III) (IV) (V)**Time Patient Enters OR****Skin Incision START time****Skin Incision STOP****Time Patient Exits OR**

00:00 – 23:59 ____ : ____

00:00 – 23:59 ____ : ____

00:00 – 23:59 ____ : ____

00:00 – 23:59 ____ : ____

Multi-Day Operation (operation continued through midnight 24:00): (Yes) (No)**Status of the operation:** (Emergent) (Urgent) (Elective)**Reoperation:** (Yes) (No)**Check ALL of the procedures attempted. Circle the one Primary Procedure.**

Chest wall		Mediastinum/Neck		Tracheobronchial	
	Chest wall biopsy		Mediastinal LN biopsy		Flexible bronchoscopy
	Rib resection (single)		Mediastinoscopy		Rigid bronchoscopy
	First/cervical rib resection		Anterior mediastinotomy		Removal of foreign body
	Chest wall resection		Extended cervical mediastinoscopy		Endobronchial ablation, laser / pdt
	Chest wall reconstruction		Mediastinal lymph node dissection		Endobronchial ablation, mechanical
	Thoracoplasty		Mediastinal lymph node sampling		Tracheal/bronchial stent
	Pectus repair		Biopsy, mediastinal mass		Tracheostomy
	Sternectomy, complete		Resection, Mediastinal mass		Tracheal repair
	Sternectomy, partial		Thymectomy		Tracheal stricture resection
	Muscle flap		Sympathectomy		Tracheal tumor resection
	Other chest wall repair		Thoracic duct ligation		Carinal Resection (no lung resection)
			Other Mediastinal/neck procedure		Bronchotomy
					Bronchial repair
					Bronchoplasty
					TE fistula repair
					Other tracheobronchial procedure
Pulmonary		Esophagogastric		Cardiac/Pericardium/Great Vessels	
	Wedge resection, single		Removal of foreign body		Pericardial window
	Wedge resection, multiple		Dilation of esophagus		Pericardiectomy
	Segmentectomy		Esophageal Tumor Ablation, Laser/PDT		Repair cardiac laceration
	Lobectomy		Stent placement		Other pericardial procedure
	Sleeve lobectomy		Cervical esophagostomy		Repair/reconstruction thoracic aorta
	Bilobectomy		Anterior thoracic esophagostomy		Repair/reconstruction abd aorta
	Pneumonectomy, standard		Zenker's diverticulum repair		Repair/reconstruction SVC
	Pneumonectomy, intrapericardial		Myotomy, cricopharyngeal		Repair/reconstruction IVC
	Pneumonectomy, carinal		Myotomy, esophageal (long)		Repair/reconstruction pulmonary artery
	Extrapleural pneumonectomy		Myotomy, cardia (short)		Repair/reconstruction pulmonary vein(s)
	Completion pneumonectomy		Resection, intrathoracic diverticulum		Repair/reconstruction left atrium
	Lung volume reduction		Resection, esophagus (esophagectomy)		Repair/reconstruction subclavian artery
	Bullectomy/repair		Resection, esophageal wall lesion		Cardiopulmonary bypass
	Hydatid cyst resection		Repair, perforation of esophagus- Iatrogenic		Other cardiac procedure
	Single lung transplant		Repair, perforation of esophagus- Malignant		
	Double lung transplant		Repair, perforation of esophagus- Other		
	Lung donor harvest		Fundoplication, circumferentia		
	Other lung procedure		Fundoplication, partial		
			Gastroplasty		
			Pyloroplasty		
			Pyloromyotomy		
			Gastrectomy		
Air Leak Control Measures		Gastrostomy			
	Fibrin glue		Gastrostomy		
	Pericardial strips		Jejunostomy		
	Lung sealant		Conduit, gastric		
	Pleural tent		Conduit, Colon		
	Other air leak control measures		Conduit, Jejunum		
			Conduit, Other		
			Anastomosis, neck		
			Anastomosis, chest		
			Other esophageal procedure		
			Other GI procedure		
Diaphragm		Pleura			
	Plication of diaphragm		Pleural drainage procedure – open		
	Diaphragmatic hernia repair, acute		Pleural drainage procedure – closed		
	Diaphragmatic hernia repair, chronic		Pleural biopsy		
	Resection of diaphragm		Pleurodesis		
	Reconstruction of diaphragm		Pleurectomy		
	Other diaphragm procedure		Decortication		
			Clagett procedure		
			Other pleural procedure		

For the PRIMARY procedure, select:**Approach** (select all that apply): (Thoracoscopy) (Thoracotomy) (Thoracoabdominal) (Median sternotomy) (Partial sternotomy)
(Tranverse sternotomy) (Laparotomy) (Laparoscopy) (Cervical) (Subxyphoid) (Other approach)**Laterality:** (Right) (Left) (Both)

E. Post Operative Events

The postoperative period, in which postoperative events can be captured, is defined as one of the following:

1. Immediately postoperatively until discharge from the acute care facility, if discharged > 30 days after procedure.
2. Immediately postoperatively, up to 30 days, if discharged from the acute care facility prior to 30 days.

No postop events occurred.

(Or select all that apply)

Pulmonary

- Air leak > 5 days duration
- Atelectasis req bronch
- Pneumonia
- ARDS
- Bronchopleural fistula
- Pulmonary embolus
- Initial vent support > 48 hrs
- Reintubation
- Tracheostomy
- Other pulmonary event

Cardiovascular

- Atrial arrhythmia req Rx
- Ventricular arrhythmia req Rx
- Myocardial infarct
- DVT req Rx
- Other CV event

Gastrointestinal

- Gastric outlet obstruction
- Ileus
- Anastomotic leak req medical Rx only
- Anastomotic leak req surgical intervention
- Dilation esophagus prior to discharge
- Other GI event

Hematology

- Bleeding requiring re-operation
- Blood transfusion intraop
- Blood transfusion postop
- Other hematology or bleeding event req Rx

Infection

- Urinary tract infection
- Empyema
- Wound infection
- Sepsis

Neurology

- New central neurological event (TIA, CVA, etc.)
- Recurrent laryngeal nerve paresis or paralysis
- Other neurological event

Miscellaneous

- New renal failure req Rx or worsening (Cr >=2x preop)
- Chylothorax req drainage / medical Rx only
- Chylothorax req surgical intervention
- Delerium tremens
- Other events req medical Rx (incl. endoscopy)
- Other events req OR with general anesthesia

F. Discharge

Discharge Date: ___/___/___

Discharge Status: (Alive) (Dead)

Date of Death: ___/___/___

Status at 30 days after surgery: (Alive) (Dead)

Discharged with chest tube in: (Yes) (No) → If No: Chest Tube Out Date: ___/___/___

Pathological Staging

- Pathological Staging not applicable

Pathological Stage T: (1) (2) (3) (4) (X) (O) (S)

Pathological Stage N: (1) (2) (3) (X) (O)

Pathological Stage M: (1) (X) (O)

(Esophagus): (M1a) (M1b)

Form completed by: _____