

**AQURE Interventional Registry- Abbreviated Form**

**Patient Name:** \_\_\_\_\_ **Procedure Times:** Induction: \_\_\_\_\_ Scope Insertion: \_\_\_\_\_ Scope Removal: \_\_\_\_\_  
**MRN:** \_\_\_\_\_ **AQURE ID:** \_\_\_\_\_ **Patient Removed from Procedure Room:** \_\_\_\_\_

**Demographic Information:** Patient race: \_\_\_\_\_ Sex: M / F Age: \_\_\_\_\_

**Pre-procedure Information:** Date of Procedure: \_\_\_/\_\_\_/\_\_\_ Emergent/ Urgent /Elective case **Fellows participation:** 0% / < 50% / >50%  
**First assistant:** RN/ RT/Tech/Other: \_\_\_\_\_ **Date first interventional procedure** \_\_\_/\_\_\_/\_\_\_ **Zubrod Score (SEE KEY):** \_\_\_ **FEV1:** \_\_\_ **FVC:** \_\_\_ **ASA:** \_\_\_ (Emergent: N / Y)  
**Smoking Hx:** Past/ Current/ Never **Pack-years:** \_\_\_ **Platelets** \_\_\_\_\_ **INR** \_\_\_\_\_  
**Co-morbidities:** \_\_\_\_\_ **if Renal failure- Hemodialysis:** N / Y  
**Medications:** Inhaled steroids / Inhaled beta agonist / Inhaled anticholinergics / Clopidogrel (taken within 96 hours of procedure) **Taken other meds that increase bleeding:** N/Y  
**Pre-procedure SF6D(SEE KEY):** Physical functioning: \_\_\_ **Role limitations:** \_\_\_ **Social functioning:** \_\_\_ **Pain:** \_\_\_ **Mental health:** \_\_\_ **Vitality:** \_\_\_\_\_  
**Borg Score (SEE KEY):** \_\_\_\_\_

**Malignant Indication for Procedure:**  
 NSCLC (squamous/ adenocarcinoma/ non-specified)  Met. to lung from hematological origin  Carcinoma  Large cell- neuroendocrine  SCLC  
 Met. to lung originating from solid tumor of the (breast / renal / colon / melanoma / thyroid / other)  Dysplasia/Metaplasia  Mucoepidermoid  
 Tracheoesophageal fistula (trachea / left main / right main / carina)  Carcinoid (typical / atypical)  Adenoidcystic  Sarcoma  Other \_\_\_\_\_  
**Type of Obstruction:** \_\_\_\_\_  
**Site of obstruction:** Trachea/ Right main stem / Left main stem / Bronchus intermedius / A lobar takeoff **Type:** Extrinsic / Intrinsic / Mixed

**Non-Malignant Indication for Procedure:**  
 Removal of one way valve/implant from previous emphysema treatment  
**Date of original valve/implant placement** \_\_\_/\_\_\_/\_\_\_ **Type of valves/implants removed:** Bronchus / Emphasys / Pulmonx / Spiration / Other (specify) \_\_\_\_\_  
**Reason for removal:** no improvement after Tx / infection / valve migration (found within target bronchus/outside target bronchus / within target lobe / outside target lobe) / Pneumothorax / Persistent hemoptysis / Empyema / Respiratory failure / Granulation tissue / Incorrect placement / Increased dyspnea / Continuing COPD exacerbation / Other (specify) \_\_\_\_\_  
**Location of valve/implant placed:** \_\_\_\_\_ **How many valve/implants placed** \_\_\_\_\_  
**Location of valve implants removed:** \_\_\_\_\_ **How many valve/implants removed** \_\_\_\_\_  
 Stent removal placed in a previous procedure  
**Date stent placement** \_\_\_/\_\_\_/\_\_\_ **Reason for stent removal:** Out of position/ Granulation of tissue/ Refractory infection / Stent fracture/Tumor overgrowth / Other (specify) \_\_\_\_\_  
**Location of stent placed:** Trachea / Left main / Right main / Y-shaped / RUL / RML / RLL / LUL / LLL **Type of stent removed:** \_\_\_\_\_  
 Postintubation tracheal stenosis ( complex > 1 cm / web < 1 cm)  Idiopathic subglottic stenosis (cricoid/ no cricoid)  Asthma  Foreign body  
 Subglottic stenosis (cricoid involved due to other disease / no cricoid involved due to other disease)  Emphysema Tx  Adjustment of stent  
 Tracheal / bronchial stenosis  
**Location:** Trachea / Left main/ Right main / Bronchus intermedius / Lobar / Carina **Type disease assoc.:** Postradiation stenosis/ Wegener's disease/ Sarcoidosis / Relapsing polychondritis/ Other \_\_\_\_\_  
 Anatomic extrinsic compression  Posttracheostomy A-shaped stenosis  Broncholith  
 Tracheobronchomalacia (location: Trachea / Left main/ Right main / Carina)  Tracheoesophageal fistula (location: Trachea / Left main/ Right main / Carina)  Other \_\_\_\_\_

**Procedure:** Ablation Technique: N/Y -----**If yes:** Nd: YAG/ CO@ laser/ KTP laser/ YAP laser/ Diode laser/ Electrocautery/ Argon plasma coagulation/ Cryotherapy/ Photodynamic therapy/ Mirodebrinder/  
 Mechanical/ Mitomycin C/ Other (specify): \_\_\_\_\_ **Dilation:** N/Y **If yes:**---- balloon/ mechanical / balloon and mechanical  
**Anesthesia:** Local / Moderate / Deep / General **Who administered sedation:** Attending/ Anesthesiologist/ Bronchoscopist/ Nurse/ CRNA/ Fellow/ Other: (sepecify: \_\_\_\_\_) **Paralysis:** N / Y  
**Ventilation:** N/Y ---- **If yes, circle type:** (volume cycled pressure controlled, pressure support/ high frequency jet ventilation / low frequency jet ventilation)  
**Bronchoscope:** Flexible / Rigid / Both **Approach:** Nasal / Oral / ETT / LMA / Tracheotomy tube **Subjectively technical success of procedure:** 100% successful/ >50% / <50% / 0%

**Stents:**  
**Placement:** Type of stent (SEE KEY): \_\_\_\_\_  
**Location:** Trachea/ Left main/ Right main/ Bronchus intermedius/ RUL/ RML/ RLL/ LUL/ LLL/ Full Y-Shaped at main carina/ Single arm left sided Y-shaped stent/ Single arm right sided Y-shaped stent  
**Problems with stent:** None/ stent opening/ stent positioning/ inappropriately sized/ Other \_\_\_\_\_ **Problem corrected:** (corrected/unable to correct)  
**Removal of stent placed during this procedure:** **Type removed:** \_\_\_\_\_  
**Reason for removal:** Out of position/ Fracture/ Wrong size/ failed to open properly/ Other (specify) \_\_\_\_\_

**Emphysema Intervention:** Intrabronchial valve / Airway bypass / Other (Specify) \_\_\_\_\_  
**Who manufactured the emphysema treatment?** Aeris/ Bronchus / Emphasys / Pneumrx/ Pulmonx / Spiration / Uptake/ Other (specify) \_\_\_\_\_  
**Location placed (SEE KEY):** \_\_\_\_\_ **Problems with placement:** None/ valve/implant opening/ valve/implant positioning/ Other (specify) \_\_\_\_\_

**Complications:**  
 Bleeding (1 hr / 1-24 hr)  Airway injury (1 hr / 1-24 hr)  Refractory hypoxia (1 hr / 1-24 hr)  Respiratory failure (1 hr / 1-24 hr)  
 Pneumothorax (1 hr / 1-24 hr) (**Intervention:** Aspiration / Chest tube / Observation **Location patient admitted:** Not admitted/ Floor/ Step-down unit / ICU)  
 Unexpected hypotension (1 hr / 1-24 hr)  Cardiac arrest (1 hr / 1-24 hr)  Arrhythmia (1 hr / 1-24 hr) (**type:** Afib /Aflutter/ V-Tach /V-Fib /Other (specify) \_\_\_\_\_)  
**Adverse events:** None/ Extended Hospitalization/ Intervention to prevent impairment or damage/ Life-threatening condition/ Disability/ Death  
**Complication due to which portion of the procedure:** Ablative therapy/ Ventilation/ Anesthesia/ Stent placement/ Stent removal/ Patient host factor/ Sampling/ Intubation/ Valve removal/ Valve placement/ Other  
**Complication:** Stabilized/ Reversed / Not resolved **Unexpected increase in level of care:** N / Y (**Reason for increase:** Complication/ Add'l procedure required/ Other (specify) \_\_\_\_\_)  
**Level of care pre-procedure:** Outpatient/ Floor/ Step-down unit/ ICU/ ER **Level of care post-procedure:** Outpatient/ Floor/ Step-down unit/ ICU/ ER

**Post-Procedure**  
**Death in 30 days:** Y/N (**Reason:** Procedure related/Airway compromise /Underlying lung disease /Other) **Date death:** \_\_\_/\_\_\_/\_\_\_ **Death within 1 hour of procedure?** Y/N **FEV1:** \_\_\_\_\_  
**FVC:** \_\_\_\_\_  
**Post-procedure SF6D (SEE KEY):** Physical functioning: \_\_\_ **Role limitations:** \_\_\_ **Social functioning:** \_\_\_ **Pain:** \_\_\_ **Mental health:** \_\_\_ **Vitality:** \_\_\_\_\_  
**Borg Score (SEE KEY):** \_\_\_\_\_

**Comments to be included in the registry:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## AQuIRE Interventional Registry- Abbreviated Form

Zubrod Score Key	
0	<ul style="list-style-type: none"> <li>▪ Normal activity, asymptomatic.</li> <li>▪ Patient is fully active and able to carry on all activities without restriction.</li> </ul>
1	<ul style="list-style-type: none"> <li>▪ Symptoms present but patient is fully ambulatory.</li> <li>▪ Patient is restricted in physically strenuous activity but ambulatory and able to carry out work of a light or sedentary nature, such as light housework, office work.</li> </ul>
2	<ul style="list-style-type: none"> <li>▪ Symptoms present, but patient in bed less than 50% of the time.</li> <li>▪ Patient is ambulatory and capable of all self-care but unable to carry out any work activities, and is up and about more than 50% of waking hours.</li> </ul>
3	<ul style="list-style-type: none"> <li>▪ Symptoms present, but patient is in bed &gt;50% and &lt;100% of the time.</li> <li>▪ Patient is capable of only limited self-care and is confined to bed or chair 50% or more of waking hours.</li> </ul>
4	<ul style="list-style-type: none"> <li>▪ Bedridden.</li> <li>▪ Patient is completely disabled, cannot carry out any self-care, or totally confined to bed or chair.</li> </ul>
5	<ul style="list-style-type: none"> <li>▪ Moribund.</li> <li>▪ Patient is dead.</li> </ul>

Types of Stents Key		Emphysema Intervention Anatomical Locations Key	
Ultraflex Covered Stent (Boston Scientific)	Dynamic Stent (Boston Scientific)	RUL; Apical segment/ B1	LUL; Apical posterior segment / B1& 2
Ultraflex Uncovered Stent (Boston Scientific)	BonaStent (Boston Scientific)	RUL; Posterior segment/ B2	LUL; Anterior segment/ B3
Aero Tracheobronchial Stent (Alveolus)	BonaStent metal (Boston Scientific)	RUL; Anterior segment / B3	Lingula; Superior segment / B5
Silicone Tube Stent (Bryan)	Eco-Stent (Leufen)	RML; Lateral segment/ B4	Lingula; Inferior segment
Silicone Tube Stent (Hood)	Eco-Y-Stent (Leufen)	RML; Medial segment / B5	LLL; Superior segment / B6
Silicone Tube Stent (Novatech)	Hanaro Stent (MTW)	RLL; Superior segment / B6	LLL; Anteromedial basal segment
Y-Shaped Silicone (Bryan)	Micro-Tech Covered Straight Stent (Leufen)	RLL; Medial basal segment / B7	LLL; Lateral basal segment / B9
Y-Shaped Silicone (Hood)	Micro-Tech Covered Y-Stent (Leufen)	RLL; Anterior basal segment/ B8	LLL; Posterior basal segment/ B10
Y-Shaped Silicone (Novatech)	Niti-S Covered Straight Stent (Pyramed)	RLL; Lateral basal segment / B9	LLL; Posterior basal segment/ B10
Polyflex Stent (Boston Scientific)	Other (specify)	RLL; Posterior basal segment / B10	

Pre-procedure	Post-procedure	SF6D Questionnaire <i>J. Brazier et al. / Journal of Health Economics 21 (2002) 271-292</i>
<b>Level</b>	<b>Level</b>	<b>Physical functioning</b>
1	1	Your health does not limit you in <u>vigorous activities</u>
2	2	Your health limits you a little in <u>vigorous activities</u>
3	3	Your health limits you a little in <u>moderate activities</u>
4	4	Your health limits you a lot in <u>moderate activities</u>
5	5	Your health limits you a little in <u>bathing and dressing</u>
6	6	Your health limits you a lot in <u>bathing and dressing</u>
<b>Level</b>	<b>Level</b>	<b>Role limitations</b>
1	1	You have no problems with your work or other regular daily activities as a result of your physical health or any emotional problems
2	2	You are limited in the kind of work or other activities as a result of your physical health
3	3	You accomplish less than you would like as a result of emotional problems
4	4	You are limited in the kind of work or other activities as a result of your physical health and accomplish less than you would like as a result of emotional problems
<b>Level</b>	<b>Level</b>	<b>Social functioning</b>
1	1	Your health limits your social activities <u>none of the time</u>
2	2	Your health limits your social activities <u>a little of the time</u>
3	3	Your health limits your social activities <u>some of the time</u>
4	4	Your health limits your social activities <u>most of the time</u>
5	5	Your health limits your social activities <u>all of the time</u>
<b>Level</b>	<b>Level</b>	<b>Pain</b>
1	1	You have <u>no pain</u>
2	2	You have pain but it does not interfere with your normal work (both outside the home and housework)
3	3	You have pain that interferes with your normal work (both outside the home and housework) <u>a little bit</u>
4	4	You have pain that interferes with your normal work (both outside the home and housework) <u>moderately</u>
5	5	You have pain that interferes with your normal work (both outside the home and housework) <u>quite a bit</u>
6	6	You have pain that interferes with your normal work (both outside the home and housework) <u>extremely</u>
<b>Level</b>	<b>Level</b>	<b>Mental health</b>
1	1	You feel tense or downhearted and low <u>none of the time</u>
2	2	You feel tense or downhearted and low <u>a little of the time</u>
3	3	You feel tense or downhearted and low <u>some of the time</u>
4	4	You feel tense or downhearted and low <u>most of the time</u>
5	5	You feel tense or downhearted and low <u>all of the time</u>
<b>Level</b>	<b>Level</b>	<b>Vitality</b>
1	1	You have a lot of energy <u>all of the time</u>
2	2	You have a lot of energy <u>most of the time</u>
3	3	You have a lot of energy <u>some of the time</u>
4	4	You have a lot of energy <u>a little of the time</u>
5	5	You have a lot of energy <u>none of the time</u>

Level Pre-procedure	Level Post-procedure	BORG Score- Rate SOB over last 24 hours
0	0	Nothing at all
0.5	0.5	Very, very slight (just noticeable)
1	1	Very slight
2	2	Slight
3	3	Moderate
4	4	Somewhat severe
5	5	Severe
6	6	
7	7	Very severe
8	8	
9	9	Very, very severe (almost maximal)
10	10	Maximal