

## Supplementary Online Content

Campbell BR, Shinn JR, Kimura KS, et al. Unilateral vocal fold immobility after prolonged endotracheal intubation. *JAMA Otolaryngol Head Neck Surg*.

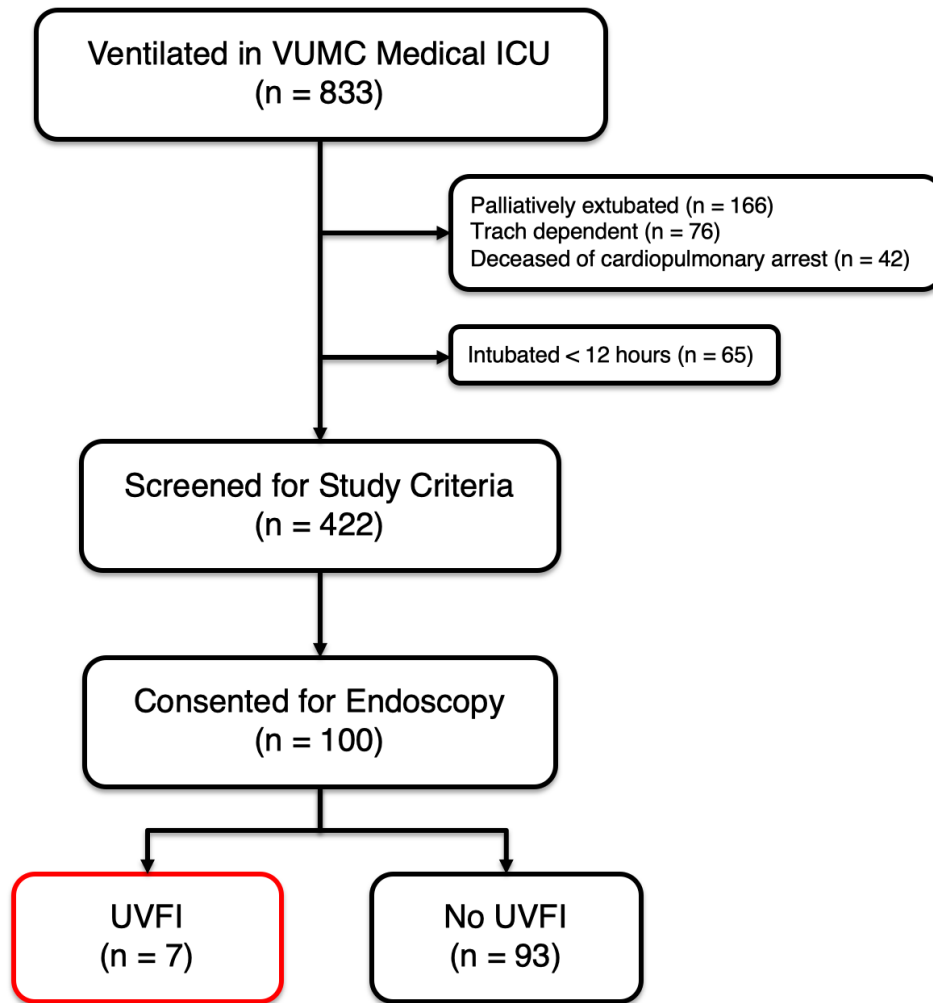
Published online December 19, 2019. doi:10.1001/jamaoto.2019.3969

**eFigure.** CONSORT Diagram

**eTable 1.** Cohort Characteristics

**eTable 2.** Cohort Health Status and Comorbid Disease

This supplementary material has been provided by the authors to give readers additional information about their work.



**eFigure.** CONSORT Diagram

<b>eTable 1. Cohort Characteristics</b>		<b>Cohort</b>
		<b>N = 100</b>
<b>Demographics</b>		
Age, years, Median (Range)	58.5 (19.0-87.0)	
Sex, male, N	62	
Race, Caucasian, N	81	
Height, cm, Median (Range)	172 (145-191)	
Weight, kg, Median (Range)	88.5 (48.0-227)	
Body Mass Index (BMI), kg/m <sup>2</sup> , Median (Range)	30.2 (14.4-77.0)	
<b>Hospital Course</b>		
Creatinine (Admission), mg/dL, Median (Range) <sup>a</sup>	1.07 (0.50-12.0)	
Creatinine (Extubation), mg/dL, Median (Range)	1.06 (0.45-7.48)	
Hemoglobin A1c (Admission), %, Median (Range) <sup>b</sup>	6.3 (4.2-14.9)	
Serum Glucose (Admission), mg/dL, Median (Range)	130 (58-1094)	
Thyroid-Stimulating Hormone, mcU/mL, Median (Range) <sup>c</sup>	1.27 (0.104-14.3)	
Free Thyroxine, ng/dL, Median (Range) <sup>d</sup>	0.93 (0.55-1.36)	
Red Cell Distribution Width, %, Median (Range)	14.6 (11.1-135)	
C-Reactive Protein, mg/L, Median (Range) <sup>e</sup>	70.3 (2.0-386)	
Hypotension, N	50	
Vasopressor Requirement, N	40	
Acute Kidney Injury, N	49	
Systemic Steroids, N	32	
Delirium, N	68	
Pneumonia, N	37	
Acute Respiratory Distress Syndrome, N	11	
Naso-/Orogastric Tube, N	62	
<b>Intubation Details</b>		
Length of Intubation, days, Median (Range)	3 (1-18)	
Endotracheal Tube (ETT) Size, N (%)	7.0	15
	7.5	40
	8.0	45
Mallampati Score, N (%)	1	28
	2	33
	3	31
	4	6
	Unknown	2
Laryngeal Exposure, N (%)	1	58

	2	12
	3	3
	Unknown	27
Intubation Attempts, N (%)	1	60
	2	13
	Unknown	27
Intubating Provider, N (%)	Emergency Department	40
	Anesthesia	26
	Critical Care	14
	Emergency Medical Services	10
	Outside Hospital & Other	10
Prior Intubations, N (%)		9
<sup>a</sup> n = 99 patients		
<sup>b</sup> n = 35 patients		
<sup>c</sup> n = 45 patients		
<sup>d</sup> n = 33 patients		
<sup>e</sup> n = 16 patients		

<b>eTable 2.</b> Cohort Health Status and Comorbid Disease	<b>Cohort</b>
	<b>N = 100</b>
Myocardial Infarction	18
Congestive Heart Failure	28
Peripheral Vascular Disease	13
Dementia	6
Chronic Pulmonary Disease	35
Connective Tissue Disease	6
Peptic Ulcer Disease	8
Mild Liver Disease	5
Moderate or Severe Liver Disease	13
Diabetes without End Organ Damage	27
Diabetes with End Organ Damage	9
Hemiplegia	7
Moderate or Severe Renal Disease	16
Tumor without Metastases	6
Metastatic Solid Tumor	4
Leukemia	3
Lymphoma	1
Acquired Immunodeficiency Syndrome	2
<i>Charlson Comorbidity Index, Median (Range)</i>	5 (0-13)
Diabetes	36
Not Independent	31
Chronic Obstructive Pulmonary Disease or Pneumonia	33
Congestive Heart Failure	28
Myocardial Infarction	18
Percutaneous Coronary Intervention, Stent, or Angina	15
Hypertension Requiring Medical Therapy	50
Peripheral Vascular Disease or Ischemic Rest Pain	13
Impaired Sensorium	19
Transient Ischemic Attack or Cerebrovascular Accident	8
Cerebrovascular Accident with Neurologic Deficit	8
<i>Modified Frailty Index Score, Median (Range)</i>	0.18 (0-0.91)
Rheumatic Disease	5
Obstructive Sleep Apnea	15
Independent	69
Partially Dependent	22
Dependent	9