

Respiratory Care Services Initial Evaluation Employee Name: Employee Number: Date:

					Date:	
Proc	edure/Equipment: Pas	ssy-Muir Applic	atio	n / Pas	sy Muir \	/entilator Application
	Clinical Object	ive	Demonstration	Explanation	DATE	COMMENTS
	y-Muir® Valve Design					
and ve trached Passy folds, r	assy Muir® Valve is a device used the ntilator patients. When placed on the pstomy tube or in-line with the vention Muir® Valve redirects air flow throus the nouth and nose enabling voice and unication.	ne hub of the lator circuit, the ligh the vocal				
	ed Closed Position-No Leak Desi	an				
1. 2. 3. 4. 5.	Patented design Opens only during inspiration with than .05cm H2O pressure Closes automatically before the e inspiratory cycle/beginning of the Air is exhaled through the oronasopharynx. No air leakage occurs through the exhalation A column of air is trapped in the F tracheostomy tube that inhibits se entering the tube and occluding th Restores a more normal "closed r system" resulting in many clinical Safe to use with tracheostomized dependent patients of all ages (bi	e PMV during PMV and in the excretions from the valve espiratory benefits and ventilator				
1.	Passy Muir® Restores Positive Airway Pressur closed position "No Leak" design Muir® Valves and the more normal respiratory system it creates, positive pressure is restored. This in turn provice, improved swallow, stronger increased oxygenation.	of the Passy al closed itive airway promotes louder				

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2. Interchangeability between Ventilator Use: All Passy Mused both on and off the ver pediatric and adult patients. ventilator dependent trached patients who are weaning from patients who are ventilator of Muir® Valves can be placed ventilator using disposable to only) or with the PMV-AD 22 adapter with PMV® 005, PM and PMV® 2001).	uir® Valves can be ntilator with both This includes non-petomized patients, om the ventilator and dependent. The Passy in-line with the ubing (with PMV® 007 of the petomized patients).				
Patient Assessment					
Initial assessment will includ	e SLP				
Awake, responsive, attempti	ng to communicate				
Medically stable Able to tolerate cuff deflation a. Vent status b. Aspiration status 5. Able to manage secretions	1				
6. Have a patent upper airway					
7. Factors Affecting Upper Airwa. Size of Tracheostomy Tb. Presence and Degree of c. Edema d. Secretions e. Foam-Filled Cuff contrai	ube f Obstruction				
To Assess for Upper Airway	Patency				
Deflate cuff					
Ask patient to inhale Finger occlude and voice or	cough on exhalation				
Use mirrors, cotton, feathers to assist with the oral exhala					
Application:					
Properly introduce yourself and wasl	n your hands.				
Placement Guidelines a. Patient education b. Position the patient with above 45 degrees unles contraindicated.					

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	 c. Suctioning d. Achieve complete cuff de e. Place he purple PMV on f. SLP to assess glottal parsigns patient is exhaling the upper airway. These coughing, vocalizations, movements, throat clear airflow on the hand held mouth/nose g. If the patient experience 	the Trach tency by observing adequately through can include: patient reflexive oral ing, and/or feeling in front of patient's					
2.	placement of the speakir removed immediately. h. Use the warning label pr Baseline Measurements a. Oxygenation b. Vital Signs						
Placem	c. Breath Sounds d. Color e. Work of Breathing f. Patient Responsiveness nent of Passy-Muir Valve						
1.	Gentle quarter turn twist whil of tracheostomy tube Oxygen can be delivered via						
3.	or PMA 2000 O2 adapter Humidity can be provided with humidity via trach collar or T						
4.	Humidification does not affect valve	ct the function of the					
5. 6.	Do not use PMV with medicatreatments Inline Suction can be placed						
	itioning	•					
	Some patients require a grad wearing the PMV and may fi short periods of time, gradua tolerated Reeducation to breathing thr	rst need to use it for Illy increasing use as					
Trouble 7.	eshooting Troubleshooting Inadequate exhalation throug	gh the upper airway					

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b. •	 Ensure the cuff is fully deflated Reposition the patient Evaluate the tracheostomy tube size and consider downsizing Consider possible airway obstruction Increased Work of breathing Ensure the cuff is fully deflated Reposition the patient Assess the need for oral or tracheal suctioning Consider anxiety level of the patient Evaluate the tracheostomy tube size and consider downsizing				
C. •	Increased or excessive coughing Assess the need for oral or tracheal suctioning May be a sign of air trapping. Remove the speaking valve. Reevaluate the tracheostomy tube size and consider downsizing				
d. •	Patient anxiety Educate patients so they will know what to expect Set goals for patients to measure their progress				
e. •	Decreased Participation due to Depression Find ways to use the speaking valve for communication for phone calls, family visits, conversation with physicians and therapy.				
f. •	Voicing during inspiration Caused by a lack of sensation Discourage voicing during inspiration. It will redirect airflow away from lungs and into the upper airway during inspiration. This may cause a increase in CO2. Education, timing cues and relaxation techniques may help with patients learn to voice during exhalation.				
g. •	Assessment of the level of ventilator support Rule out air leak, airway obstruction and anxiety Adjustment of ventilator settings with a physician's order				

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Clinical Obj	ective	Demonstration	Explanation	DATE		COMMENTS
h. Voicing is not heard on the second reposition the patient May indicate diaphragm we inadequate breath support May indicate vocal fold atroposition may indicate weak or dama (consider FEES)	akness causing bhy from non-use					
i. Valve makes a honking souClean or replace the speaking						
1. Heart Rate: increases > 20 2. Respiratory Rate: > 35 3. SpO2 < 88% 4. FiO2 > 60% 5. Evidence of trapped air beh 6. Patient report of increased r 7. Documents procedure and p	BPM from baseline ind PMV espiratory effort.					
Ventilator Application of the Passy-Muir® Valve						
PMV may be used with all traditio 1. Noninvasive modes will no Passy Muir valve trials.						
Awake, alert attempting to complete the	to allow air to pass upper airway post tracheotomy					
3. PIP less than 40cm H2O Placement Guidelines						
 Patient education Position of head and neck Achieve cuff deflation – slow 100% Cuff Deflation is Management 						

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Tube F	Position is Important						
trial is at all ti The pa	sment Criteria The initial trial should include SL successful subsequent trials will I mes by medical personnel (SLP, R tient will always have supervision ine Passy Muir Valve.	be supervised RCP or RN).					
2. 3. 4.	Initial assessment will include SLP Observe pre-cuff deflation PIP Observe pre-cuff deflation exhaled Achieve cuff deflation – slowly	Vt					
	ssessment will include SLP This assessment is telling you your exhale around the properly sized tra tube, and the airway above the cuff patent.	acheostomy					
Ventila	tor Assessment and Adjustments						
1. 2.	Pressure compensation during cuff Use low pressure alarm as disconnected by alarm (set above 10cm less high pressure limit appropriately H20 above the PIP)	deflation ect/indirect low H20)					
Reviev	,						
1. 2. 3.	Position the patient with head of bed 45 degrees unless medically contra Slow cuff deflation RCP and SLP to place aqua PMV in ventilator circuit: PMV to be attache	indicated.					
4.	suction system RCP to adjust the ventilator alarms are safe and effective. Never disab alarms.						
5.	When the speaking valve trail is cor will remove the speaking valve, read alarms and re-inflate the tracheosto	djust ventilator					
6.	If the speaking valve trial is success deflation warning sticker on the pilor cuff deflation warning sign at head of place cuff deflation sticker in the particles.	sful, place cuff t balloon, place of bed, and					
7.	RCP and SLP document speaking vand RCP will perform a ventilator ch	valve placement					

	1				
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Never disable any ven	tilator alarms.				
riorer anoalere any ren					
Humidification:					
Use with heated humidified Remove Passy-Muir® valve treatment					
Ventilator Connections:	_				
Respiratory Therapist are to					
beside during Passy-Muir ve	entilator				
application.					
Patient Assessment: 1. Monitor Baseline Parameter					
a. Saturation b. Heart Rate c. Respiratory Rate d. Work of Breathing (WOI e. Documents procedure a in the medical record 1. Documentation s post airway asse general assessm ventilator check of therapy note sho patent tolerated t	B) and patients response should include pre and ssment; Pre and Post nent; ventilator check; during use. A RT uld include how the the passy-muir valve, vas in place and any				
Stop Criteria (includes, but i					
 Heart Rate: increases > 20 Respiratory Rate: > 35 SpO2 < 88% FiO2 > 60% Evidence of increased respi Excessive anxiety from patients Inefficient exhalation around 	ratory effort. ent. I tracheostomy tube				
Care, Cleaning and Lifetime of the Speaking Valves	= rassy-wuitw				
Swish in mild soapy warm water, allow to air dry					
Average lifetime of 2 months	S				

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Competency standards met – RCP is able to perform procedure or activity independently. Both signatures required.					
Competency standards not met:					
RCP may perform procedure or activity supervision.	only under direct clinical				
RCP may not perform procedure or activity until re-evaluation is performed and competency is verified.					
Employee	Date				
Lead/Preceptor	Date				
Clinical Coordinator/Educator	Date				
Manager Manager	Date				

Specific Deficits identified:

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	2.
	3.
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Action taken: