

UNIVERSITY OF SOUTH ALABAMA
COLLEGE OF ALLIED HEALTH PROFESSIONS
DEPARTMENT OF CARDIORESPIRATORY CARE
Measuring Spontaneous Parameters of Ventilation
(V_T, VC, V_E, MIP, f)

Name: _____ Date: _____

Rating Scale: 0 = inappropriate, incorrect, or omitted
 1 = needs additional study and practice
 2 = appropriate and correct
 N/A = not applicable

<u>ITEM</u>	<u>RATING</u>
1. Assure patient is a candidate for spontaneous parameters.	_____
2. Gather equipment (spirometer, MIP manometers, one way valve-T-piece assembly, watch/wall clock with second hand)	_____
3. Assure patient stability before and after each measurement.	_____
4. Carefully record each measurement after it is made.	_____
5. Suction if necessary	_____
6. Determine minute volume, tidal volume and ventilatory rate with patient at rest, either disconnected from the ventilator or in spontaneous mode.	_____
7. Explain procedure to patient.	_____
8. Calculate rapid shallow breathing index (RSBI).	_____
9. Re-establish mechanical ventilation	_____
10. After resting patient, instruct patient to perform vital capacity (VC).	_____
11. Measure and record VC after several measurements.	_____
12. Re-establish mechanical ventilation	_____
13. Measure and record maximum inspiratory pressure (MIP)	_____
14. Re-establish mechanical ventilation	_____

100% proficiency required to pass Score = $\frac{x}{28} \times 100 =$ _____% _____ pass _____ fail

Instructor's Signature: _____

Instructor's Name: _____ Credential: _____
 (Please print)

Student's Signature: _____

Comments _____