	RESPIRATORY SERVICES	DATE CREATED: April 2011
		DATE REVIEWED/REVISED: **August 2016**

PROCEDURE	TITLE: Pulmonary Diagnostics: ITGV Simulator (Respiratory Therapy) NUMBER: B-00-12-12108	RELATED DOCUMENTS:

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SITE APPLICABILITY:

ST. PAUL'S HOSPITAL
MOUNT SAINT JOSEPH HOSPITAL

GENERAL INFORMATION:

The ITGV Simulator will be tested at least every 6 months in all Jaeger systems. Results will be reported to the Diagnostic Accreditation Program (DAP) twice a year.

The ITGV simulator is a tool used to simulate standard ITGV measurements to aid in the Quality Assurance of plethysmography.

SPECIAL CONSIDERATIONS:

Once the ITGV simulator has been removed from the Jaeger equipment parts need to be replaced so the boxes work properly.

REQUIRED SUPPLIES & EQUIPMENT:

- Jaeger Box
- ITGV Simulator

PROCEDURE:

1. Place the ITGV simulator on the chair inside of the box.
2. Remove the cork from the side of the box and replace it with the perforated cork that contains the power source for the simulator.
3. Attach the power cord to the ITGV simulator and ensure the device is off before plugging into the power source.
4. Attach the pneumotach and shutter directly to the ITGV simulator. Be sure to remove the D_{LCO} apparatus if attached.
5. Close the door to the body box.
6. Click on the **Patient Data** icon.
7. Under the patient's last name enter _**JQM*.**
8. Press the **TAB** button 3 times and the **patient directory list** will pop up on the screen.

9. Scroll to the bottom of the pop up window and select one of the following:
    - **_JQM_SYR3_LAB_A**
    - **_JQM_SYR3_LAB_C**
    - **_JQM_SYR3_LAB_D**
    - **_JQM_SYR_LAB_M** (Mount Saint Joseph Hospital)
10. Press **ACCEPT** to close the pop up window, followed by **F12** to save.
11. Open up the **Body plethysmography** program.
12. A pop up window will appear on the screen letting you know that the ITGV simulator is detected.
13. Turn on the ITGV simulator.
14. Press **F2** to initiate the ITGV measurement.
15. When the shutter opens, press **F7** to calculate the results.
16. Repeat this sequence until 5 ITGV measurements have been performed.
17. Switch off the ITGV simulator.
18. Print results and save.

REFERENCES:

1. Carefusion ITGV – Simulator Instruction Manual

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