PULMONARY FUNCTION LABORATORY ROTATION OBJECTIVES

Please note that these objectives supplement the objectives of the RCPSC objectives.

**General Objective**: The resident will gain skill in interpretation of all aspects of pulmonary function testing. As well as learning interpretive skills, they will learn the skills required to establish and quality control a lung function laboratory and the physiologic principles which are integral to understanding pulmonary function testing.

**MEDICAL EXPERT**

1. The resident will be able to interpret pulmonary function tests including spirometry, lung volume measurement, respiratory muscle function testing, diffusing capacity, arterial blood gases and methacholine challenge tests. They will have some basic knowledge of cardiopulmonary exercise tests.

2. The resident will demonstrate a working knowledge of the physiologic principles that apply to the measurement and interpretation of the above tests. They will be aware of how the equipment measures lung function.

3. The resident will be able to explain the clinical significance and limitations of these tests.

4. The resident will be able to explain the function of the equipment used in the laboratory and will have an understanding of the quality control aspects of the pulmonary function laboratory.

**COMMUNICATOR**

5. The resident will effectively communicate the results of pulmonary function tests to the referring source via clear, concise reports.

**COLLABORATOR**

6. The resident will work with the laboratory staff to provide optimal testing for patients. They will be responsive to the concerns of the respiratory therapists conducting the tests.

**MANAGER**

7. The resident will demonstrate the management skills required to establish, maintain, and operate a lung function laboratory. These skills include performing quality assurance, implementing quality improvement techniques, and developing an operating budget.

**HEALTH ADVOCATE**

8. The resident will be aware of the role of spirometry and lung function testing in the community for the early detection of obstructive lung disease.

**SCHOLAR**

9. The resident will demonstrate critical appraisal of the literature as it applies to pulmonary function testing.
PROFESSIONAL

10. The resident will strive to incorporate the highest levels of attitudes, ethics and values in their interactions with laboratory staff, colleagues and patients.

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