RSPT 2350 – FINAL EXAM REVIEW

- 50 Questions
- Question Breakdown:

| **MODULE** | # | % |
|---|---|---|
| A | 3 | 6% |
| B | 2 | 4% |
| C | 3 | 6% |
| D | 5 | 10% |
| E | 2 | 4% |
| F | 4 | 8% |
| G | 2 | 4% |
| H | 3 | 6% |
| I | 6 | 12% |
| J | 5 | 10% |
| K | 4 | 8% |
| L | 10 | 20% |
| M | 1 | 2% |
| | 50 | |

Things I would study:

- Questions that as a whole were missed on prior exams/quizzes.
- Normal values
    - Classify an ABG!
    - Electrolytes
    - $AaDO_2$
    - a/A ratio
    - PF ratio
- Calculations
    - Oxygen Content
    - Oxygen Delivery
    - $AaDO_2$
    - a/A ratio
    - PF ratio
    - Mean arterial pressure
- ABG Sampling
    - Complications
    - Contraindications
    - Indications
    - Arterial Line
        - Indications
        - Functions
- ABG Errors
    - Air Bubble
    - Temperature Effect
    - Metabolic Effect

- Ventilation
  - Normal distribution
  - Deadspace
    - Types
    - Calculation
  - Definition of hyperventilation
  - Treatment of hypoventilation
  - Carbon Dioxide Production
    - Normal level
    - Causes of increased levels
- Oxygenation
  - Shunts
    - Types
    - Calculation
    - How to perform a shunt study
    - When to evaluate for presence of
    - Treatment
      - When to decrease PEEP or $FiO_2$
  - Diffusion Defect
    - How to tell
    - What causes them
  - Hypoxia
    - Types
  - Hypoxemia
    - Causes
    - How to distinguish types
    - Symptoms
  - Anemia
    - Types
  - Oxygen Consumption
    - Normal Level
- Renal Function
  - How is Sodium regulated
  - Reabsorption of Water
    - Know by location
  - Identify diuretic types
  - Know generalized diuretic functions
  - Body's response to water loss & hypotension
- Acid-Base
  - If given a scenario, know which type of acid-base disturbance would be present (i.e. hypoventilation will cause a respiratory acidosis)
  - Treatment for each acid-base disturbance
  - Calculation of anion-gap
    - Causes of abnormal anion-gap

- Capnography
  - $V_d/V_t$ Calculation
  - How changes in ventilation affect $P_{et}CO_2$
  - Volumetric Capnography
    - Know the phases
    - Know abnormal tracings
- Pulmonary Function
  - Obstructive vs. Restrictive
  - “Good” test criteria
  - Flow-Volume Loops ($FEF_{50}/FIF_{50}$)
  - Pre-/Post-Bronchodilator Testing
  - Types of Spirometers