Respiratory Care Calculations

By Chang, David W.

Cengage Learning, 1998. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: LISTING BY SUBJECT AREAS: FORWORD. PREFACE. ACKNOWLEDGEMENTS. REVIEW OF BASIC MATH FUNCTIONS: Review of Basic Math Functions. RESPIRATORY CARE CALCULATIONS: Airway Resistance: Estimated. Oxygen Tension Gradient. Alveolar Oxygen Tension. Anion Gap. Arterial/Alveolar Oxygen Tension Ratio. Venous Oxygen Content Difference. TAPS to BOPS. Bicarbonate Corrections for Deficit. Body Surface Area. Cardiac Index. cardiac Output: Kick''s Estimated Method. Compliance: Dynamic. Compliance Static. Compliance: Total (CT). Corrected Tidal Volume. Correction Factor. Dead space to Tidal Volume Ratio. Density of Gases. Dosage Calculation: Intravenous Solution Infusion Dosage. Dosage Calculation: Intravenous Solution Infusion Rate. Dosage Calculation: Percent Solutions. Dosage Calculation: Unit Dose. Dosage Estimation for Children: Young''s Rule. Dosage Estimation for Infants and Children: Clark''s Rule. Dosage Estimation for Infants and Children: Fried''s Rule. Elastance. Endotracheal Tube Size for Children. F1O2 from Two Gas Sources. F1O2 Needed for a Desired PaO2. F1O2 Needed for a Desired PaO2 (COPD Patients). Flow Rate in Mechanical Ventilation. Forced Vital Capacity Tracing - FEVt and FEVt %. Forced Vital Capacity Tracing - FEF 200-1200. Forced Vital Capacity Tracing - FEF 25-75%. Gas Law Equations. Gas Volume Corrections. Helium/Oxygen (He/O2) Flow Rate Conversion....

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