

# Every STAT!Ref subscription includes EBMcalc



# EBMcalc

Solutions for Evidence-Based Medicine

## A sampling of the calculation tools:

- A-a Gradient
- Apgar Score
- Asthma Hospitalization One Year Risk TreeCalc
- Atrial Fibrillation Five Year Risk of Stroke
- Basic Unit Conversions
- Body Surface Area (Du Bois method)
- Cardiac Risk Index in Noncardiac Surgery (Goldman et al)
- Chi Square Analysis
- Creatinine Clearance
- Diabetes Screening Tree Calc
- False Positive Ratio from Specificity and Prevalence
- Gail Model for 5-Year Risk of Breast Cancer
- Ideal Body Weight
- Kt/V Dialysis Dose Kerr Formula
- Left Bundle Branch Block in Vector and Scalar
- Electrocardiography
- Low Density Lipoprotein
- Lung Volume Multi-calc
- M.I. Prediction Decision Tree-Calc
- Migraine with Aura Diagnostic Criteria
- Osmolar Clearance
- Pittsburgh Knee Rule for X-Ray Evaluation of Knee Injury
- TreeCalc
- Pneumothorax Degree of Collapse
- Rabies Post Exposure Prophylaxis (PEP) TreeCalc
- Rheumatoid Arthritis Criteria
- SARS CDC Case Definition TreeCalc
- Smallpox Risk Assessment TreeCalc
- Sodium Correction in Hyperglycemia

**EBMcalc is an evidence-based decision support tool that is part of STAT!Ref.**

The screenshot shows a window titled 'Oxygen Delivery Units Conversions'. On the left is a calculator interface with 'Calculator Style' set to 'RPN' and 'Set maximal display precision in decimal points' set to 5. The calculator has a numeric keypad, function keys (CHS, EEX, X<Y, Roll, CLX), and trigonometric keys (SIN, COS, TAN, ArcSIN, ArcCOS, ArcTAN). On the right, there are 'FROM:' and 'TO:' fields. A pull-down menu is open, showing options: '%O2', 'l1O2', and 'litresO2(nc)'. Below the pull-down menu, 'Set maximal display precision in decimal points' is set to 3.

**New equations and calculations added throughout the year.**

- Clinical Criteria
- Decision Trees
- Math Calculator
- Medical Equations
- MultiCalc Equations
- Unit and Dose Converters

The screenshot shows a calculator window titled 'Residual Volume to Total Lung Capacity Ratio'. It displays the following formulas:  
$$\text{Total\_Lung\_Cap} = \text{Insp\_Reserve\_Vol} + \text{Tidal\_Vol} + \text{Exp\_Reserve\_Vol} + \text{Residual\_Vol}$$
$$\text{RV\_TLC\_Ratio} = 100 * \text{Residual\_Vol} / \text{Total\_Lung\_Cap}$$
  
The interface has an 'Input:' section with five dropdown menus for: Exp\_Reserve\_Vol, Residual\_Vol, Insp\_Reserve\_Vol, Tidal\_Vol, and Closing\_Vol. The 'Results:' section has two dropdown menus for: Total\_Lung\_Cap and RV\_TLC\_Ratio (with a '%' symbol). There is also a 'Decimal Precision:' dropdown set to 2 and a 'Calculate' button.

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