

## WEIGHT CONVERSIONS (1)

MED 1-01A1

WT 1

LB<sub>avdp</sub>OZ<sub>avdp</sub>

kg

gm

→

## WEIGHT CONVERSIONS (2)

MED 1-01A2

WT 2

GRAIN

DR<sub>avdp</sub>

mg

μg

→

## WEIGHT CONVERSIONS (3)

MED 1-01A3

WT 3

LB<sub>troy</sub>OZ<sub>troy</sub>DR<sub>troy</sub>S<sub>apoth</sub>

→

## LENGTH CONVERSIONS (1)

MED 1-02A1

LEN 1

M

YD

FT

KM

→

## LENGTH CONVERSIONS (2)

MED 1-02A2

LEN 2

IN

MM

MICRON

CM

→

## VOLUME CONVERSIONS (1)

MED 1-03A1

VOL 1

CU IN

US LIQ PT

LITER

US DRY PT

→

## VOLUME CONVERSIONS (2)

MED 1-03A2

VOL 2

US MINIM

US FL DR

US FLOZ

CC

→

## VOLUME CONVERSIONS (3)

MED 1-03A3

VOL 3

BR QT

BR PT

BR FL OZ

BR MINIM

→

## ENGLISH↔METRIC CONVERSIONS

MED 1-04A



LENGTH

WT

TEMP

ENG→  
METMET→  
ENG

MET

## MASTER PATIENT IDENTIFICATION

MED 1-05A



ENTER

→HT

→WT

→AGE

→SEX

ID

## MALE VC, FEV1, MEFR

MED 1-06A1



HT

AGE

VC→%

FEV1→%

MEFR→%

PF

## MALE MVV, RV, TLC, FRC

MED 1-06A2



MVV→%

RV→%

TLC→%

FRC→%

PF

## MALE FEF (25%-75%)

MED 1-06A3

VC→  
25% VCt(25%)→  
75% VC

t(75%)

→ FEF

FEF→%

PF

## FEMALE VC, FEV1, MEFR

MED 1-07A1



HT

AGE

VC→%

FEV1→%

MEFR→%

PF

## FEMALE MVV, RV, TLC, FRC

MED 1-07A2



MVV→%

RV→%

TLC→%

FRC→%

PF

## FEMALE FEF (25%-75%)

MED 1-07A3

VC→  
25% VCt(25%)→  
75% VC

t(75%)

→ FEF

FEF→%

PF

LUNG DIFFUSION (FICO=.3%)

MED 1-08A

FiCAR

FACAR

FACO

t<sub>BH</sub>

VA →  
DLCO

DLCO

WATER VAPOR PRESSURE

MED 1-09A1

TEMP

→ PH<sub>2</sub>O

GAS 1

RESPIRATORY GAS CONVERSIONS

MED 1-09A2

PBAR

ATPS

BTPS

STPD

→

GAS 2

VENTILATOR SETUP (RADFORD)

MED 1-10A1

WT

SEX

RATE

→ TVbas

DSv → TVc

RAD 1

VENTILATOR SETUP CORRECTIONS

MED 1-10A2

TEMP

ALT

ACTIVE

TRACH

MET ACID

RAD 2

PaCO<sub>2</sub> NORMALIZATION

MED 1-11B

WT

PaCO<sub>2</sub>

PECO<sub>2</sub>

TV

DSp → DSadd

PaCO<sub>2</sub>

BLOOD ACID-BASE STATUS

MED 1-12A

PCO<sub>2</sub>

pH

HGB

→ TCO<sub>2</sub>

→ BE

ACID

VIRTUAL PO<sub>2</sub>

MED 1-13A

→ RCL  
PO<sub>2</sub>

PO<sub>2</sub>

PCO<sub>2</sub>

pH

BT → VPO<sub>2</sub>

VPO<sub>2</sub>

O<sub>2</sub> SATURATION AND CONTENT

MED 1-14A

PO<sub>2</sub>

SAT

HGB → CONT

CaO<sub>2</sub>CvO<sub>2</sub>

SAT

ANAEROBIC PCO<sub>2</sub> AND pH CHANGE

MED 1-15A

→ RCL  
PCO<sub>2</sub>PCO<sub>2</sub>  
(37°)pH  
(37°)BT → PCO<sub>2</sub>  
(BT)→ pH  
(BT)

pH

ANAEROBIC PO<sub>2</sub> CHANGE

MED 1-16A

→ RCL  
SAT

SAT

PO<sub>2</sub>  
(37°)BT → PO<sub>2</sub>  
(BT)PO<sub>2</sub>

## DEAD SPACE FRACTION

MED 1-17A

VCO<sub>2</sub>VO<sub>2</sub>

RQ

PaCO<sub>2</sub> → V<sub>A</sub> V<sub>E</sub> → V<sub>D</sub>  
VT

VD/VT

A-aO<sub>2</sub> DIFFERENCE

MED 1-18A

PiO<sub>2</sub>PaO<sub>2</sub>PaCO<sub>2</sub>

RQ → A-a

→ PAO<sub>2</sub>

A-a

## PHYSIOLOGIC SHUNT AND FICK

MED 1-19A

CAO<sub>2</sub>CaO<sub>2</sub>CvO<sub>2</sub>VO<sub>2</sub> → CO

→ SHUNT

PHYS

## DUBOIS BODY SURFACE AREA

MED 1-20A

HT

WT

→ BSA

→ RCL  
CO

CO → CI

BSA

## BOYD BODY SURFACE AREA

MED 1-21A

HT

WT

→ BSA

→ RCL  
CO

CO → CI

BOYD

DYE CURVE CARDIAC OUTPUT

MED 1-22A

$\Delta t$

DC  $\rightarrow$  A

CAL

DOSE  $\rightarrow$  CO

DYE

FICK CARDIAC OUTPUT

MED 1-23A

CaO<sub>2</sub>

CvO<sub>2</sub>

$\dot{V}O_2 \rightarrow CO$

BSA  $\rightarrow$  CI

HR  $\rightarrow$  SV

FICK

VALVE AREA

MED 1-24A

SEP  
DFP

$\Delta P$

$\rightarrow \overline{\Delta P}$

R-R

CO  $\rightarrow$  A

VALVE

ANATOMIC SHUNTS

MED 1-25A

R-SYST

R-PUL

L-PUL

L-SYST

$\rightarrow$  SHUNTS

ANA

CONTRACTILITY

MED 1-26A

$\Delta t$

PN

$\rightarrow \frac{MAX}{dP/dt}$

$\rightarrow \frac{MAX}{dP/dt/P}$

$\rightarrow VMAX$

VMAX

STROKE WORK

MED 1-27A

PSYS

$\rightarrow \overline{P}$

R-R

CO  $\rightarrow$  SW

BSA  $\rightarrow$  SWI

WORK

1

2

1

2

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