

# CANADIAN BOARD FOR RESPIRATORY CARE INC.

CBRC 7 WARDEN RD CAMBRIDGE-NARROWS NB E4C 4G5

Candidate Information Manual
CBRC National Respiratory Therapy Examination
August 2020

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# Examination Registration Information

	August 17, 2020 Exam
Registration dates	April 3, 2020
Registration deadline	May 15, 2020
Registration fees includes 3.8% processing fee plus practice examination	\$899.00 Plus applicable Provincial Tax
Cancellation deadline	August 3, 2020

## Eligibility to sit the CBRC Examinations

### a) First time applicant:

First time applicants who are or will be graduates of Accreditation Canada accredited training programs are automatically eligible to sit the CBRC examinations and can access the registration portal on the CBRC website at <a href="https://www.cbrc.ca">www.cbrc.ca</a>

### b) Applicants unsuccessful on previous\_CBRC exam(s)

Those who were unsuccessful on the CBRC examinations and are graduates of Accreditation Canada accredited training programs will have to have their eligibility approved by one of the regulating authorities or the CSRT (representing the non-regulated Provinces) in Canada. Please select the appropriate candidate type when registering online through the registration portal on the CBRC website at <a href="https://www.cbrc.ca">www.cbrc.ca</a>

### c) Foreign Trained Applicant

Foreign trained applicants will have to have their eligibility approved by one of the regulating authorities or the CSRT (representing the non-regulated Provinces) in Canada.

Please select the appropriate candidate type when registering online through the registration portal on the

Please select the appropriate candidate type when registering online through the registration portal on the CBRC website at www.cbrc.ca

(**NOTE**: Please contact the appropriate regulating authority to ensure that you meet all of the eligibility requirements of that organization.)

CSRT Credentialing Examination / l'Examen de certification de la SCTR (representing the non-regulated provinces of British Columbia, Prince
Edward Island, North West Territory, Nunavut, and the Yukon Territory) www.csrt.com
CARTA Registration Examination*(Alberta) www.carta.ca
CRTO Registration Examination *(Ontario) www.crto.on.ca
MARRT Registration Examination*(Manitoba) www.marrt.org
NSCRT Registration Examination (Nova Scotia) www.nscrt.com
SCRT Registration Examination *(Saskatchewan) www.scrt.ca
NBART Registration Examination (New Brunswick) www.nbart.ca
OPIQ (Quebec) www.opiq.qc.ca
NLCRT (Newfoundland and Labrador) www.nlcrt.ca

# IMPORTANT REGISTRATION Information

To register for an examination please go to the CBRC website during the registration period. There are two (2) components to the registration process:

1. Create a username and password on the CBRC Computer Based Examination Site

**NOTE:** Please record your username and password! You will need this information to log into the computer software on the day you write your exam.

2. Sign in, select and purchase the current exam, and <u>complete</u> the registration process.

(NOTE: you are not considered registered until you complete both above steps!)

Please ensure at least one week prior to the examination that you have received a confirmation email containing the exam date, time, examination site location and required documentation. If you have not received a confirmation email by this time please contact <a href="mailto:testingsupport@getyardstick.com">testingsupport@getyardstick.com</a>

- The candidate is responsible for accurate completion of the appropriate CBRC Application Form and ongoing notification of address and telephone number changes through testingsupport@getyardstick.com
- Candidates with questions or concerns regarding the registration process can contact testingsupport@getyardstick.com.
- Candidates cancelling prior to the cancellation deadline (see schedule) will be refunded their exam
  fee. After the cancellation deadline, the candidates will not be eligible for any reimbursement of
  paid fees.

# **General Information**

### **Philosophy**

The goal of the CBRC is to provide a bilingual examination for credentialing of the highest educational caliber. The CBRC shall achieve and maintain a respiratory therapy entry to practice exam that is national in scope and accommodates provincial regulatory needs. The content of the examination will adhere to the current National Competency Profile and matrix as set out by the National Alliance of Respiratory Therapy Regulatory Bodies (NARTRB).

### Committee

The Examination Development and Review Committee (EDRC) is comprised of members from across Canada. The members are Registered Respiratory Therapists (RRT) in good standing with the CSRT and/or their regulatory body, who have been appointed by the CBRC. The Chair of the Committee is an RRT, appointed by the Board of Directors of the CBRC. Resources are consulted as required.

### Creation of the examination

All questions are based on the current <u>National Competency Framework</u> and generated by the EDRC. All questions must be unanimously accepted by the EDRC and reviewed in English and French prior to being approved for the question bank. Each year an examination is compiled from the question bank and is submitted to the EDRC for scrutiny. Included with this exam is the review of the pass mark based on the Cut Score Study and psychometric consultation.

#### Pilot test items

In order to gather pertinent and relevant statistical information on new item bank questions, the CBRC may place a psychometrically approved number of pilot test items on each examination. These pilot questions are embedded within the exam. Pilot items will not affect the allotted exam time, do not contribute to the scoring process and are not part of the exam weighting matrix.

# **Examination Information**

### Examination Sites

### July 6, 2020 Exam

This exam will be offered at any of the Yardstick testing centers selected by the candidate at the time of registration.

# Candidate Preparation

Testing centers may vary from site to site and climate conditions cannot be guaranteed. Please dress accordingly; use layers so you can add or remove clothing as dictated by the room environment.

# Writing the examination

The CBRC National Respiratory Therapy Examination consists of approximately 200 questions.

Part One contains type A and case-based questions.

Part Two consists of case-based questions only.

If a technical issue occurs during the exam, the exam timer stops and resumes when the technical issue is resolved.

Spelling is either in the American or British form.

### \*Suggested schedule

0830 to 0900 hours – Check in and Instructions

0900 to 1130 hours - Part One

1130 to 1215 hours – Nutrition Break

1215 to 1445 hours - Part Two

<sup>\*</sup>Actual exam time may vary

# Exam matrix

# Final Examination Matrix - Distribution across Competency Areas

### Final Examination Matrix by Question Type, Taxonomic Level, Age and Gender

	Domain of competence	NARTRB Recommendation	Range
1	Manage the airway, providing optimal ventilation (C4, C6)	20%	19% - 21%
2	Assess cardio respiratory status, incorporating cardio- pulmonary diagnostics, the use of invasive vascular procedures, and executing resuscitation. (C1, C7, C8, C10)	25.2%	24% - 26%
3	Administer medications and substances, assist with anesthesia, and perform adjunct therapies. (C3, C5, C9)	18%	17% - 19%
4	Provide evidence informed patient centered respiratory care, demonstrating critical thinking skills and communicating effectively. (B0, B2, B5)	23.8%	23% - 25%
5	Optimize patient safety, implementing preventative measures to ensure health and safety. (B7, C2)	13%	12% - 14%

Additional Examination Specifications – 2020	Percentage of Examination
Question Presentation	
Independent	25 – 40%
Case-based	60 -75%
Taxonomy	
Comprehension	5 % max
Application	50 - 65%
Analysis & Synthesis (critical thinking)	Min. 35%
Age Group	
Neonates	10-20%
Pediatrics	10-20%
Adults	70-80%
Gender	
Male	45-55%
Female	45-55%

# Style of Questions

The examination is entirely comprised of type "A" multiple choice with up to four (4) possible choices.

Case Study questions: To help indicate the end of one case study and the beginning of a new case study, a horizontal line followed by the words NEW CASE will be used.

### Examples of A-Type questions:

Which of the following effects on the heart are seen during parasympathetic stimulation?

- 1. stroke volume decreases, cardiac output decreases
- 2. cardiac output decreases, coronary circulation increases
- 3. heart rate decreases, blood pressure increases
- 4. blood pressure decreases, stroke volume increases

The maximal quantity of gas which can be inspired from the expiratory resting position is termed:

- 1. inspiratory reserve volume
- 2. residual volume
- 3. inspiratory capacity

# Results

Candidates will receive their results within 90 days of the examination date. Candidates who provide an email address on their application form may receive an email message with their results sooner. Results will not be given by telephone. Results will be reported to the candidates and the organization(s) indicated on their application form. It will be the responsibility of the candidate to contact their regulatory body to obtain their credential and/or license to practice.

# Cut Score Study

Bookmark standard setting methods (Lewis, Mitzel, Green et al., 1999) were used to establish a cut level (i.e., pass mark) for the 2016 CBRC Respiratory Therapy Exam.

The Bookmark method provides a set of procedures designed to yield cut scores that are based on expert participants' review of individual test items (Cicek, 2007).

The procedures are designed to enable the expert review to be guided and informed by pre-determined criteria, for example by proficiency with specific skills or competencies such as those identified in the 2016 <a href="National Competency Framework">National Competency Framework</a>.

The Bookmark method was selected because of the method's ability to accommodate assessments based on mixed-format or multiple sessions, because the method permits participants to review stand-alone and case study based constructed responses items concurrently, and because the method is based upon and ideally suited for item response theory (IRT) based assessment approaches. The Bookmark method requires fewer, simpler decisions from participants than many other standard setting methods, and is simpler for those who sponsor the sessions (Mitzel, Lewis, Patz et al., 2001). The Bookmark method was considered an efficient, effective and appropriate approach for standard setting with the CBRC.

# Instructions and Regulation

1. The computer software provides access to an online calculator.

All other electronic devices (e.g. cell phone, mobile devices, calculators, etc) are not permitted. If these items are stored in the examination room, they **must be turned off.** 

Permissible items shall include: disposable earplugs, and drinks in a clear spill proof container with no label. All items will be reviewed/approved by the test centre proctor. No food is permitted in the test centre.

On the day of the examination candidates must present two pieces of identification, one being a government issued photo ID (i.e. driver's license or passport) (Student and hospital identifications are NOT accepted). The proctor will check their names against the list of candidates for that specific testing centre.

- 2. CBRC needs to have current contact details for all candidates in order to notify of results. If any contact details change after registration the candidates will have access to make changes to their profile at any time.
- The exam sites are "scent free".
- 4. Candidates are encouraged to use the washroom prior to the exam but are allowed supervised bathroom breaks during the exam. The exam timer will continue to run during the absence.
- 5. Candidates are permitted to bookmark questions to revisit and are able to scroll back and forth throughout the exam
- 6. Feedback and comments on any questions should be noted on the clipboard icon. Candidates can enter feedback for each question. Proctors are not permitted to respond to questions regarding content of the exam.\_These comments will be reviewed by the EDRC prior to the final evaluation.
- 7. In the French version of the exam, rarely used terms or abbreviations are often accompanied in brackets by their better known English equivalents.
- 8. The doors of the examination room will be closed promptly at the hour set for the examination. Up to 60 minutes into the examination time, candidates who are late will be admitted to the exam room, but they will be restricted to sit the examination within the remaining time.

- 9. A candidate may not leave the room at any time except as permitted and accompanied by the proctor. If a candidate must leave the room to use the washroom, they may not take books, papers, etc., out of the testing center with them nor bring books, papers etc. back into the testing center.
- 10. If a candidate becomes ill when writing the examination, the candidate must advise the proctor.
- 11. Any candidate found cheating will be subject to disciplinary action, removal from the exam, and their results made null and void.
- 12. Following the examination, candidates will be asked to complete an optional, short feedback survey.

# **CBRC Policies and Procedures**

# <u>Appeal</u>

The CBRC recognizes the need for a process to allow candidates to appeal their final status on the CBRC National Respiratory Therapy Examination.

#### **Procedure**

- 1. A "Letter of Appeal" must be sent to the Chair of the CBRC Board of Directors in care of the CBRC head office.
- 2. Appeals based on medical conditions must be filed within seven (7) days after the examination date. A valid medical certificate must accompany the appeal. The examination will not be scored after a medical appeal has been granted. No examination results will be provided to any candidate that has a successful medical appeal and their examination fees will be deferred to the next sitting of the examinations. There is no fee associated for medical appeals.
- 3. Appeals based on disqualification due to academic dishonesty must be filed within seven (7) days after receiving the CBRC Board's decision on the infraction. Appeals based on disqualification due to academic dishonesty must be accompanied by a bank certified cheque or money order for \$400.00 (includes HST) fee.
- 4. All other appeals must be filed within seven (7) days from receipt of the results accompanied by a bank certified cheque or money order for \$400.00 (includes HST)
- 5. The appeal will be heard and a decision rendered by the CBRC Board of Directors within ninety (90) days of receipt of the "Letter of Appeal" from the candidate.
- 6. All fees are to be paid by a **bank certified cheque** or **money order** payable to CBRC/CCSR.

# Accommodation of Special Needs

Candidates with special needs may request special accommodations and arrangements to sit the examination on the scheduled exam date.

If the candidate requires accommodation for a special need, they must access and complete the special accommodation application form available on the registration website when applying for the exam. All requests for special accommodations must be supported with written verification of the nature and extent of the candidate's special needs from a licensed professional verifying the candidate's identified special needs as well as documentation from the educational institution where candidates received their education.

The CBRC exam is only provided in the English or French language. Requests for exam accommodation will not be granted to challenge the exam in any other language.

In order to have special accommodations arranged for the exam, candidates must:

- complete and submit a special accommodations application form
- include appropriate documentation supporting their request
- return the completed special accommodations application form with documentation to the CBRC Head Office
- submit all forms by the exam application deadline, except in unusual circumstances, such as a recent injury

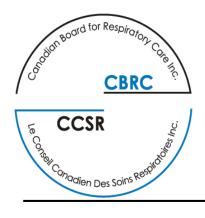
All special accommodation requests are subject to approval by the CBRC Board of Directors on a case by case basis. Candidates will be notified of the decision on their request by telephone or email.

Approved special accommodations will be arranged for the candidate at no extra charge.

Criteria that will be taken into account by the CBRC Board of Directors when requests for accommodation are considered include:

- the needs of the candidate
- preservation of the integrity of the examination
- the ability of CBRC to provide resources

No accommodation request will be granted which jeopardizes the integrity or validity of the examination.



### Canadian Board for Respiratory Care, Inc. Le Conseil Canadien Des Soins Respiratoires, Inc.

### CBRC 7 WARDEN RD CAMBRIDGE-NARROWS NB E4C 4G5

### SPECIAL ACCOMMODATION APPLICATION FORM

### PRINT OR TYPE ALL INFORMATION

Name in Full: Mr. Ms. Miss. Mrs. <i>(cir</i>	cle)	
First Name		
Middle Initial		
Surname		
Mailing Address:		
Apt. #Street		
		rince
Postal Code		
Phone Number	Email address	
Please indicate the school you have or	expect to graduate from	
Indicate at which testing centre you ha	ave selected	

In order to request and have special accommodations arranged for the exam, candidates must:

- complete and submit a special accommodations application form
- include appropriate documentation supporting their request
- return the completed special accommodations application form with documentation to the CBRC Head Office.

All forms must be submitted by the exam application deadline, except in unusual circumstances, such as a recent injury.

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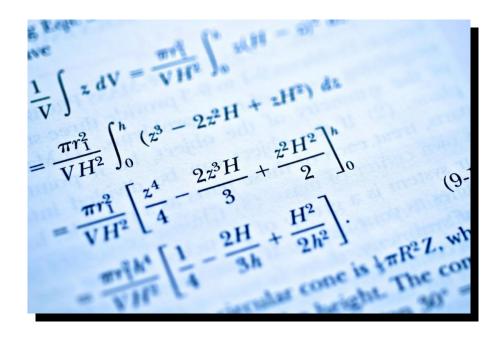
Criteria that will be taken into account by the CBRC Board of Directors when requests for accommodation are considered include:

- the needs of the candidate
- preservation of the integrity of the examination
- the ability of CBRC to provide resources

No accommodation request will be granted which jeopardizes the integrity or validity of the examination.

pplication Information:
lease state clearly what specific accommodations and/or arrangements you require.
<ul> <li>efore submitting, please ensure that the following are attached:</li> <li>relevant documentation from your licensed/registered professional</li> <li>recent letter from your educational institutions accommodation centre</li> </ul>
Onto.

# Nomenclature and Normal Values



All test items have been referenced to the most recent editions of commonly used texts as identified by the accredited Respiratory Therapy programs across Canada.

Exam item content will always be consistent with best practice and not present ambiguity due to conflicting text references.

# Normal Values

The CBRC Exam Development and Review Committee has decided to remove all normal ranges and formulae in the candidate manual.

The committee rationale for this decision was based on the understanding normals differ slightly in a number of textbooks used across the country.

The committee will continue to develop item content which is always consistent with best practice and will not present ambiguity due to conflicting text references.

If you have any questions pertaining to this new practice please do not hesitate to contact the chair of the EDRC at the following e-mail address:

cbrc@cbrc.ca

Danny Veniott
Chair, CBRC Exam Development and Review Committee

# Ventilator Recommendations

- Regional use of makes and models of ventilators vary significantly. Therefore the emphasis of the exam items will be on the operating principles of ventilators classification.
- All modes, breath types and adjuncts currently available across all patient populations may be examined. They will be referred to in their generic terms on the exam.
- Unless a height is specified in a question, assume the patient weight that is provided is the ideal body weight (IBW).
- Unless specified, assume the patient is an adult.

# **Pharmacology**

In questions pertaining to pharmacology, **only** the generic drug name will be used.

Example: Ventolin®, Airomir™, and Apo®-Salvent will appear as salbutamol

# Abbreviations and Symbols

"A" а arterial Α alveolar ABG arterial blood gas ACassist-control ventilation ACLS advanced cardiac life support ADH antidiuretic hormone A/E air entry with auscultation AFB acid-fast bacilli AG anion gap AIDS acquired immunodeficiency syndrome ALS amyotrophic lateral sclerosis AΡ anterior posterior **APGAR** Appearance, Pulse, Grimace, Activity, Respiration **APRV** airway pressure release ventilation **ARDS** adult respiratory distress syndrome ASA American Society of Anesthesiologists ASD atrial septal defect ATP adenosine triphosphate ambient temperature and pressure dry **ATPD ATPS** ambient temperature and pressure saturated ΑV artrioventricular "B" **BCLS** basic cardiac life support ΒE base excess BMI body mass index **BMR** basal metabolic rate BP blood pressure BSA body surface area BPD bronchopulmonary dysplasia **BTPS** body temperature and pressure saturated BUN blood urea nitrogen "C" capillary С C compliance Ca<sup>++</sup> calcium CABG coronary arterial bypass graft oxygen content of arterial blood CaO<sub>2</sub> arterial to venous oxygen content difference  $C(a-\bar{v})O_2$  $C(a-\bar{v})O_{21}$ arterial to venous oxygen content difference indexed oxygen content of capillary blood to BSA CcO<sub>2</sub> CBC complete blood count  $C_{dyn}$ dynamic compliance CF cystic fibrosis CHF congestive heart failure CI cardiac index

Cl<sup>-</sup> chloride

cm H<sub>2</sub>O centimetres of water pressure

CNS central nervous system

CO carbon monoxide (in context)

CO cardiac output CO<sub>2</sub> carbon dioxide COHb carboxyhemoglobin

COPD chronic obstructive pulmonary disease CPAP continuous positive airway pressure

CPP cerebral perfusion pressure
CPR cardiopulmonary resuscitation

C & S culture and sensitivity

CSA Canadian Standards Association

CSF cerebrospinal fluid C<sub>stat</sub> static compliance

CT computerized tomography
CVA cerebrovascular accident

CvO<sub>2</sub> oxygen content of mixed venous blood

CVP central venous pressure

CXR chest x-ray

"D" DL diffusing capacity

DL<sub>CO</sub> diffusing capacity of carbon monoxide

DO<sub>2</sub> oxygen delivery

"E" ECG electrocardiogram

ECMO extra corporeal membrane oxygenation

EEG electroencephalogram

EF ejection fraction

ELBW extremely low birth weight infant

EOG electrooculogram
EMG electromyogram

EMT emergency medical technician
ER emergency room/department
ERV expiratory reserve volume
ETCO<sub>2</sub> end-tidal carbon dioxide

ETT endotracheal tube

"F" f frequency

FEF<sub>25-75</sub> forced expiratory flow between 25% and 75% of vital capacity (MEFR)

FEV<sub>1</sub> forced expiratory volume at one second

FEV<sub>1</sub>/FVC ratio of exhaled volume at one second to forced vital capacity

F<sub>1</sub>O<sub>2</sub> fraction of inspired oxygen

FR French (sizes)

FRC functional residual capacity

FVC forced vital capacity

 $F_{\text{ET}}CO_2$  fractional exhaled end tidal  $CO_2$   $F_{\text{E}}CO_2$  fractional mixed exhaled  $CO_2$ 

FVL flow volume loop

f/V<sub>T</sub> rapid shallow breathing index

"G" g gram

GCS Glasgow coma scale

GERD gastroesophageal reflux disease

GI gastrointestinal

G<sub>x</sub>P<sub>x</sub>A<sub>x</sub> gravida, partum, abortion: gynecological terms used to represent

number of pregnancies (G), number of live births (P) and number of

abortion (A); x = number of

"H" Hb hemoglobin

HbCO carboxyhemoglobin
HbF fetal hemoglobin
Hbmet methemoglobin
HBO hyperbaric oxygen
HbO<sub>2</sub>/O<sub>2</sub>Hb oxyhemoglobin
HCO<sub>3</sub>- bicarbonate
Hct hematocrit

HFJV high frequency jet ventilation HFO high frequency oscillation

HIV Human Immunodeficiency Virus
HMD hyaline membrane disease
HME heat and moisture exchanger

"I" IBW ideal body weight

IC inspiratory capacity
ICP intracranial pressure
ICU intensive care unit

I:E inspiratory to expiratory time ratio

INR international normalized ratio of prothrombin time IPPA inspection, palpation, percussion, auscultation

IRV inspiratory reserve volume

"K" kg kilogram  $K^+$  Potassium

L litre

"L"

LAP left atrial pressure left lower lobe

L:S (ratio) lecithin: sphingomyelin

LUL left upper lobe

LVEDP left ventricular end-diastolic pressure

LVH left ventricular hypertrophy
LVSV left ventricular stroke volume
LVSW left ventricular stroke work

"M" m meter

MAC minimum alveolar concentration

MAP mean arterial pressure

MAS meconium aspiration syndrome

MDI metered dose inhaler

MEP maximum expiratory pressure

Mg<sup>++</sup> magnesium

MI myocardial infraction

MIP maximum inspiratory pressure

mm Hg millimetres of mercury pressure (torr)

MOV minimal occluding volume

MRSA methicillin resistant staphylococcus aureus

MVA motor vehicle accident

MVV maximum voluntary ventilation MMV mandatory minute ventilation

mmol millimole
mL milliliter
mg milligram

"N" Na<sup>+</sup> sodium

NIBP noninvasive blood pressure

NIPPV noninvasive positive pressure ventilation

NO nitric oxide NO<sub>2</sub> nitrogen dioxide N<sub>2</sub>O nitrous oxide

NPPV noninvasive positive pressure ventilation

NPV negative pressure ventilation

NREM non-rem sleep NTT nasotracheal tube NPO nothing by mouth

"O" O/A on auscultation O/E on examination

O<sub>2</sub> oxygen

 $O_2ER$  oxygen extraction OI oxygen index OR operating room

"P" P pressure

P<sub>50</sub> partial pressure of oxygen at 50% HbO<sub>2</sub>

PA pulmonary artery
P<sub>A</sub> alveolar pressure
P<sub>Plateau</sub> plateau pressure

P(A-a)O<sub>2</sub> alveolar to arterial oxygen gradient

PAC premature atrial pressure PAP pulmonary artery pressure

PAP mean pulmonary artery pressure

PAT paroxysmal atrial tachycardia PAV proportional assist ventilation Paw airway pressure (proximal)  $P_{\rm AW}$  or  $P_{\rm AW}$  mean airway pressure

PCWP(PAOP) pulmonary capillary wedge pressure / pulmonary artery occlusion pressure

P<sub>B</sub> barometric pressure

PCV pressure control ventilation PDA patent ductus arteriosus

P<sub>E</sub>CO<sub>2</sub> pressure of mixed exhaled carbon dioxide

PEEP positive end-expiratory pressure

PEFR peak expiratory flowrate PEP peak expiratory pressure

P<sub>ET</sub>CO<sub>2</sub> pressure of end-tidal carbon dioxide

PFT pulmonary function testing

pH standardized hydrogen ion activity

Phigh pressure high

PIF peak inspiratory flow PIP peak inspiratory pressure

P<sub>low</sub> pressure low

PNIP peak negative inspiratory pressure

PPHN persistent pulmonary hypertension of the newborn

ppm parts per million

PPV positive pressure ventilation

PRVC pressure regulated volume control

PS pressure support

PSV pressure support ventilation

PT prothrombin time

PTT partial thromboplastin time

PVC premature ventricular contraction

PvCO<sub>2</sub> pressure of carbon dioxide in mixed venous blood

PvO<sub>2</sub> pressure of oxygen in mixed venous blood

PVR pulmonary vascular resistance

PVRI pulmonary vascular resistance index

"Q" Q<sub>s</sub> / Q<sub>t</sub> shunted cardiac output ratio

Q<sub>t</sub> cardiac output

"R" R<sub>AW</sub> airway resistance RBC red blood cell

RDS respiratory distress syndrome

REM rapid eye movement RLL right lower lobe RML right middle lobe

ROP retinopathy of prematurity

RQ respiratory quotient RR respiratory rate

RSBI rapid shallow breathing index

RUL right upper lobe RV residual volume

RVH right ventricular hypertrophy

"S" SaO<sub>2</sub> arterial oxygen saturation
SBT spontaneous breathing trial
SIDS sudden infant death syndrome

SIMV synchronized intermittent mandatory ventilation

SLE systemic lupus erythematosus

SOAP subjective, objective, assessment, plan

SOB shortness of breath

SOBOE shortness of breath on exertion  $S_pO_2$  oxygen saturation by pulse oximetry

STPD temperature 0°C, pressure 760 mm Hg and dry

SvO<sub>2</sub> mixed venous oxygen saturation

SVC slow vital capacity

SVR systemic vascular resistance

SVRI systemic vascular resistance index

"T" T temperature

TB tuberculosis
TC time constant
TCO<sub>2</sub> total CO<sub>2</sub>

 $T_{CPO2}$  transcutaneous pressure of oxygen

 $T_E$  expiratory time  $T_{high}$  time high

T<sub>I</sub> inspiratory time

T<sub>ID</sub> dynamic inspiratory time
 T<sub>IS</sub> static inspiratory time
 TLC total lung capacity

T<sub>low</sub> time low

TTN transient tachypnea of the newborn

"U" URTI upper respiratory tract infection

UAC umbilical artery catheter UVC umbilical venous catheter

"V" V<sub>E</sub> minute volume of expired volume per minute (BTPS)

V<sub>A</sub> minute alveolar ventilation

VC vital capacity

VCO<sub>2</sub> carbon dioxide production (STPD) per minute

V<sub>D</sub> deadspace

 $V_D/V_T$  deadspace to tidal volume ratio VLBW very low birth weight infant

 $V_{\text{max}(x)}$  maximum flow where (x) = % of volume

VO<sub>2</sub> oxygen consumption per minute vol% concentration (percent per volume)

V/Q ventilation/perfusion ratio

VS volume support

VSD ventricular septal defect

V<sub>T</sub> tidal volume

 $\begin{array}{ll} V_{T(del)} & & \text{delivered tidal volume} \\ V_{TG} & & \text{thoracic gas volume} \end{array}$ 

"W" WBC white blood cell

WHMIS Workplace Hazardous Materials Information System

Revised: January 2020