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Mechanisms of hypoxemia - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5234199/> ▼ 翻译此页

作者 : M Sarkar - 2017 - 被引用次数 : 17 - 相关文章

Abnormal function of any of these two would lead to the development of hypoxemia and its ... There are various mechanisms of hypoxemia but ventilation/perfusion ... The difference between alveolar and arterial oxygen tensions is due to other the structural basis of V/Q mismatch in mild COPD and found both pulmonary ...

Ventilation-perfusion inequality in chronic obstructive pulmonary ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC333349/> ▼ 翻译此页

作者 : PD Wagner - 1977 - 被引用次数 : 455 - 相关文章

Three patterns of ventilation-perfusion (V_a/Q) inequality were found: (a) A pattern ... inequality could not necessarily be inferred from the arterial PO_2 and PCO_2 ... and transfer factor (diffusing capacity) in patients with obstructive lung disease. ... Measurement of continuous distributions of ventilation-perfusion ratios: theory.

Chapter 5. Ventilation-Perfusion Relationships | Pulmonary ...

<https://accessmedicine.mhmedical.com/content.aspx?bookid=575...> - 翻译此页

Explains the regional differences in the matching of ventilation and perfusion of the ... Alveolar ventilation brings oxygen into the lung and removes carbon dioxide from it. ... be used to demonstrate an abnormal distribution of ventilation in a patient. ... A high functional residual capacity (FRC), a low tidal volume, a large dead ...

[PDF] Pulmonary gas exchange - CareFusion

www.carefusion.es/.../respiratory...ventilation/RC_Pulmonary-gas-exchange... ▼ 翻译此页

作者 : JMB Hughes - 被引用次数 : 6 - 相关文章

Normal values for arterial oxygen partial pressure, content and Hb saturation ... Different types of respiratory failure are discussed, with special ... pulmonary disease (COPD) patients in failure (alveolar ventilation-perfusion ... The last section (Oxygen affinity in special situations, Diffusion

Name of Journal: *World Journal of Respirology*

Manuscript NO: 41651

Manuscript Type: REVIEW

Anatomical backgrounds on gas exchange parameters in the lung

Yamaguchi K *et al.* Structure-function relationships in lung periphery

Kazuhiro Yamaguchi, Takao Tsuji, Kazutetsu Aoshiba, Hiroyuki Nakamura,
Shinji Abe

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Inert gas washout: theoretical background and clinical utility in respiratory disease

PD Robinson, MD Goldman, PM Gustafsson - Respiration, 2009 - karger.com

... Anatomical and Physiological Background. The anatomical 'design' of the lung has evolved to facilitate gas exchange ... Currently, only 2 research centres routinely include trapped gas measurements in their MBW protocol [63, 64], and it remains a relatively under-utilised ...

☆ 99 被引用次数: 155 相关文章 所有 7 个版本

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Probing lung physiology with xenon polarization transfer contrast (XTC)

K Ruppert, JR Brookeman, KD Hagspiel... - ... in Medicine: An ..., 2000 - Wiley Online Library

... BACKGROUND ... It is therefore useful to take a closer look at the anatomy of the lung, in particular at the alveoli and the lung parenchyma, to put the concept of XTC into a physiological context ... Both gas mixtures were obtained from the same supplier (Spectra Gases, Alpha, NJ) ...

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[HTML] wiley.com

Quantitative in vivo assessment of lung microstructure at the alveolar level with hyperpolarized 3He diffusion MRI

DA Yablonskiy, AL Sukstanskii... - Proceedings of the ..., 2002 - National Acad Sciences

... Quantitative in vivo assessment of lung microstructure at the alveolar level with hyperpolarized 3 He diffusion MRI. Dmitriy A. Yablonskiy, Alexander L. Sukstanskii, Jason C. Leawoods, David S. Gierada, G. Larry Bretthorst, Stephen S. Lefrak, Joel D. Cooper, and Mark S. Conradi ...

☆ 99 被引用次数: 351 相关文章 所有 12 个版本

[PDF] pnas.org

High-frequency oscillatory ventilation: mechanisms of gas exchange and lung mechanics

JJ Pillow - Critical care medicine, 2005 - journals.lww.com

Objective: Overview of the mechanisms governing gas transport, mechanical factors influencing the tr.

☆ 99 被引用次数: 151 相关文章 所有 8 个版本

[PDF] academia.edu

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Functional Design of the Human Lung for Gas Exchange | Fishman's ...

<https://accessmedicine.mhmedical.com/content.aspx?sectionid=72260577...> - 翻译此页

The structural **background** for this mobility of a healthy **lung** is the formation, The secondary lobule, an old **anatomic** unit. Efficient **gas exchange** in the **lung** depends on a very thin barrier of very large surface between air and blood. Several physical **parameters** govern oxygen uptake at the acinar level, such as air ...

The physiological basis and clinical significance of lung volume ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5299792/> ▼ 翻译此页

作者 : MF Lutfi - 2017 - 被引用次数 : 19 - 相关文章

2017年2月9日 - From a **physiological** standpoint, the **lung** volumes are either ... **Background**

Waist-to-Hip Ratio Is Associated With **Pulmonary Gas Exchange** in the ... Effect of altitude on spirometric **parameters** and the performance of ...

[PDF] Lung Physiology and How Aerosol Deposits in the Lungs 1 ...

www.iaea.org/inis/collection/NCLCollectionStore/_Public/.../32006538.pdf ▼ 翻译此页

Physiological and **Anatomical Background**. Weibel's ... **lung** function or **gas exchange**, the former and a small portion of the latter, more specifically the terminal ...

Respiratory Methodology - BioGears!

https://www.biogearsengine.com/.../_respiratory_methodology.html ▼ 翻译此页

[224] described the **gas exchange** properties of the **lungs**, Wiberg et al. ... The most important **parameters** in the lumped **parameter** model of mechanical ventilation correspond to ... **Background** and Scope In the circuit model, the carina and right and left **anatomic** dead spaces are represented by resistors to account for ...

Bird Respiratory System - Contact

people.eku.edu/ritchisong/birdrespiration.html ▼ 翻译此页