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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 ...

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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 PO2** 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

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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

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