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In this issue

Research Article

Open Access Research Article PTZAID:APRC-3-128

Ticarcillin Hypersusceptibility in Pseudomonas Aeruginosa in Cystic Fibrosis

Published On: September 13, 2017 | Pages: 067 - 071

Author(s): IT Hettiarachchi*, T O'Sullivan, M Wootton, A Smith, J Duckers and R Dhillon

Background: A subpopulation of Pseudomonas aeruginosa (PsA) exists in cystic fi brosis (CF) patients that is hypersusceptible to ticarcillin, a carboxypenicillin, in vitro (Tichs strain) defi ned as a minimum inhibitory concentration (MIC) 4g/ml. ...

Abstract View Full Article View DOI: 10.17352/aprc.000028

Open Access Research Article PTZAID:APRC-3-126

Genotyping and Molecular Characterization of Dermatophytes Isolates Collected from Clinical Samples

Published On: June 14, 2017 | Pages: 052 - 057

Author(s): Sheikhi Nasrin, Zaker bostanabad saeed*, Mirzaahmadi Sina and Naziri sahar

Background: Detection of dermatophytes by microbiological method is sometimes problematic and some atypical microscopic or macroscopic morphology are non-detectable. Due to morphological similarity and existing intermediate forms and variants, unequivocally separating these dermatophytes is not always straightforward, and sampling appropriate isolates for research is ...

Abstract View Full Article View DOI: 10.17352/aprc.000026

Open Access Research Article PTZAID:APRC-3-122

Hypoxia/Reoxygenation modulates Oxidative Stress Level and Antioxidative Potential in Lung Mitochondria: Possible participation of P53 and NF-KB Target Proteins

Published On: May 19, 2017 | Pages: 035 - 043

Author(s): Olga Gonchar* and Irina Mankovska

Background and objective: Hypoxia/reoxygenation (H/R) is a key factor in the pathogenesis of the most lung diseases where exessive ROS production and prooxidant/antioxidant imbalance greatly contribute to disease progression. We have used severe hypoxia in sessions of repeated H/R of different duration as a model of lung pathologic states to investigate mitochondrial ...

Abstract View | Full Article View | DOI: 10.17352/aprc.000022

Open Access Research Article PTZAID:APRC-3-120

Mucin Production Correlates with Dual Expression of Epidermal Growth Factor Receptor and Its Ligand the Epidermal Growth Factor in Non-Small Cell Lung Cancer

Published On: April 20, 2017 | Pages: 025 - 031

Author(s): Rancés Blanco*, Charles E Rengifo, Elizabeth Domínguez, Damián Blanco, Mercedes Cedeño and Enrique Rengifo

Introduction: Mucoproduction plays an important role in the processes of tumor progression, invasion and metastasis. In non-small cell lung cancer (NSCLC), mucins hypersecretion has been associated with alterations in the epidermal growth factor receptor (EGFR) expression. ...

Abstract View | Full Article View | DOI: 10.17352/aprc.000020

Open Access Research Article PTZAID:APRC-3-119

Impact of Calorie Intakes on the Risk of Bronchopulmonary Dysplasia in Extremely Preterm Infants

Published On: April 11, 2017 | Pages: 020 - 024

Author(s): Belal Alshaikh*, Siddartha Buddhavarapu, Albert Akierman, Abhay Lodha, Reginald Sauve and Amuchou Soraisham

Aim: To examine whether caloric intake during the fi rst week of age infl uences the risk of Bronchopulmonary Dysplasia (BPD) in extremely preterm infants. ...

Abstract View | Full Article View | DOI: 10.17352/aprc.000019

Open Access Research Article PTZAID:APRC-3-117

Effects of Heat and Humidification on Aerosol Delivery during Auto-CPAP noninvasive Ventilation

Published On: March 18, 2017 | Pages: 011 - 015

Author(s): Marwa Mohsen, Ahmed A Elberry, Abeer Salah Eldin, Raghda RS Hussein and Mohamed EA Abdelrahim*

Objective: Although, the use of humidifi cation during non-invasive ventilation (NIV) is an important factor in decreasing nasal airway resistance and assuring patient's comfort and adherence; many in-vitro studies recommend switching off the humidifi er while delivering aerosol to NIV patients. ...

Abstract View Full Article View DOI: 10.17352/aprc.000017

Open Access Research Article PTZAID:APRC-3-116

Utility Inspiratory Capacity by Simple Spirometry as an indirect Measure of Air Trapping

Published On: March 13, 2017 | Pages: 007 - 010

Author(s): Alberto Herrejon*, Julio Palop, Susana Herrera and Alejando Betancurt

Objective: To evaluate the utility of inspiratory capacity (IC) measured by simple spirometry as an indirect measure of air trapping. ...

Abstract View Full Article View DOI: 10.17352/aprc.000016

Open Access Research Article PTZAID:APRC-3-115

Oxidative Stress, Antioxidant Status and Inflammation in Chronic Bronchitis and Pulmonary Emphysema

Published On: March 06, 2017 | Pages: 001 - 006

Author(s): Cristina Cristóvão*, Luísa Cristóvão, Fernando Nogueira and Manuel Bicho

Background: Chronic Obstructive Pulmonary Disease (COPD) is characterized by a complex range of pathological changes including both pulmonary and systemic effects. Several mechanisms contribute to the variable intermediate and clinically relevant disease phenotypes, such as chronic bronchitis and emphysema, and systemic disease. ...

Abstract View Full Article View DOI: 10.17352/aprc.000015

Review Article

Open Access Review Article PTZAID:APRC-3-127

Review of the literature about Thymic Carcinomas

Published On: July 13, 2017 | Pages: 058 - 066

Author(s): Mona Mlika* and Faouzi Mezni

Background: Thymic carcinomas (TC) are rare tumors with challenging diagnosis and management. We aimed to describe the clinical and microscopic characteristics of TC through a literature review. ...

Abstract View Full Article View DOI: 10.17352/aprc.000027

Open Access Review Article PTZAID:APRC-3-123

Effectiveness of Asthma Inhaler Pharmacotherapy must take into consideration both the device and drug and which is guided by clinically meaningful outcomes

Published On: May 24, 2017 | Pages: 044 - 047

Author(s): Elissa M McDonald* and Felix SF Ram

The inhalation route remains the mainstay of therapy for asthma and chronic obstructive pulmonary disease (COPD). This confers a number of advantages such as delivery of medication directly to the site of action resulting in faster onset. ...

Abstract View Full Article View DOI: 10.17352/aprc.000023

Case Report

Open Access Case Report PTZAID:APRC-3-130

Syringomyelia Presenting As Obstructive Sleep Aponea

Published On: October 24, 2017 | Pages: 074 - 077

Author(s): Terence E McManus*, Carole A Cooke, John Wilson and Ken F Whyte

The authors describe a case of syringomyelia associated with Chiari malformation Type I in a patient who was referred to a respiratory service with features of obstructive sleep apnoea. The patient exhibited clinical features of scoliosis, hoarseness, sensory and motor neurological defi cit and vertical upbeat jerk nystagmus. The authors review the various

factors ...

Abstract View | Full Article View | DOI: 10.17352/aprc.000030

Open Access Case Report PTZAID:APRC-3-124

Spontaneous Haemomediastinum and Fatal Haemoperitoneum in woman with Vascular Ehlers-Danlos Syndrome

Published On: May 29, 2017 | Pages: 048 - 049

Author(s): Isabel Cal, Elena Fernández, Jose V Méndez and Jose R Jarabo*

Vascular Ehlers-Danlos Syndrome (EDS) presents with fragility of blood vessels, with high incidence of fatal hemorrhages in middle-age adults. We present a 38-year old female with vascular EDS presented to the emergency unit with spontaneous hemomediastinum and hemothorax. A selective arteriography showed a bronchial artery aneurysm that could be embolized. Coagulat ...

Abstract View | Full Article View | DOI: 10.17352/aprc.000024

Open Access Case Report PTZAID:APRC-3-118

Inhaled GM-CSF in a Pulmonary Alveolar Proteinosis Patient Refractory to Plasmapheresis Combined with Multiple Whole Lung Lavages

Published On: April 06, 2017 | Pages: 016 - 019

Author(s): Francesca Mariani, Elena Paracchini, Davide Piloni, Zamir Kadija, Elena Salvaterra, Laura Divizia, Giuseppe Rodi, Carmine Tinelli, Federica Meloni and Ilaria Campo*

A autoimmune Pulmonary Alveolar Proteinosis (PAP) patient with persistent disease underwent 3 Whole Lung Lavages (WLLs), 10 plasmapheresis sessions and further 3 WLL, from October 2004 to May 2007. ...

Abstract View | Full Article View | DOI: 10.17352/aprc.000018

Letter to Editor

Open Access Letter to Editor PTZAID:APRC-3-129

The Importance of Genetic Study in Cystic Fibrosis

Published On: October 16, 2017 | Pages: 072 - 073

Author(s): Laís Ribeiro Mota, Renata Lúcia Leite Ferreira de Lima and Edna Lúcia Souza*

Cystic fi brosis (CF) is the most common and fatal autosomal recessive genetic disease in euro-descendents. It affects about 85,000 people worldwide [1]. ...

Abstract View | Full Article View | DOI: 10.17352/aprc.000029

Commentary

Open Access Commentary PTZAID:APRC-3-121

What do we have to know about Cystic Lung Diseases?

Published On: May 03, 2017 | Pages: 032 - 034

Author(s): Sánchez Díaz C and Díaz-Lobato S*

Cystic lung diseases are a heterogeneous group of pathologies which differential diagnosis can be complicated [1]. We are going to comment some aspects that we should know about cystic lung diseases to facilitate a better understandingand clinical management of these entities. ...

Abstract View | Full Article View | DOI: 10.17352/aprc.000021

Mini Review

Open Access Mini Review PTZAID:APRC-3-125

Usefulness of Transbronchial Cryobiopsy in Interstitial Lung Disease

Published On: June 09, 2017 | Pages: 050 - 051

Author(s): Umair A Gauhar*

Interstitial lung disease (ILD) is a term that describes a group of more than 200 lung disorders that show varying degrees of infl ammation and fi brosis of the pulmonary interstitium. The etiology and pathophysiology of many of these disorders still remains poorly understood and is the topic of ongoing research and debate. ...

Abstract View | Full Article View | DOI: 10.17352/aprc.000025