
Contributions To Microbiology Models Of Exacerbations In Asthma And Copd By U Sjöbring J D Taylor A Schmidt H Herwald

american journal of respiratory and critical care medicine. infection as a orbidity of copd european respiratory. models of exacerbations in asthma and copd book 2007. frontiers virus induced exacerbations in asthma and copd. new strains of bacteria and exacerbations of chronic. clinical predictors of bacterial involvement in. pseudomonas aeruginosa and risk of death and exacerbations. current understanding of the acute exacerbation of chronic. lung microbiology and exacerbations in copd europe pmc. human rhinoviruses clinical microbiology reviews. asthma and atypical bacterial infection chest. contributions to microbiology rg journal impact rankings. pseudomonas aeruginosa and lung function decline in. models of exacerbations in asthma and copd. are copd self management mobile applications effective a. clinical and safety outes of long term azithromycin. archives of microbiology home. the microbiology of asthma nature reviews microbiology. geographic variation in the aetiology epidemiology and. many faces of pseudomonas aeruginosa in chronic. lipopolysaccharide induces steroid resistant exacerbations. treatment of pulmonary exacerbations in cystic fibrosis. asthma exacerbation an overview sciencedirect topics. airway microbiome dynamics in exacerbations of chronic. frontiers pathology of asthma microbiology. pseudomonas aeruginosa and risk of death and exacerbations. models of exacerbations in asthma and copd contributions. microbiology ch 1 a brief history of microbiology. colour of sputum is a marker for bacterial colonisation in. treating viral exacerbations of chronic obstructive. models of exacerbations in asthma and copd contributions. bacterial infections in acute exacerbation of chronic. pulmonary exacerbations and clinical outes in a. models of exacerbations in asthma and copd u sjöbring. prediction of asthma exacerbations in children by. the role of acute and chronic respiratory colonization and. chronic obstructive pulmonary disease. building toolkits for copd exacerbations lessons thorax. models of exacerbations in asthma and copd a schmidt. longitudinal profiling of the lung microbiome in thorax. louis pasteur and his contributions basic microbiology. circulating micrornas and prediction of asthma. lung microbiology and exacerbations in copd. exacerbation of respiratory symptoms in copd patients may. the biology of pulmonary exacerbations in bronchiectasis. bacterial infection in chronic obstructive pulmonary. caspase 1 deficiency reduces eosinophilia and interleukin. models of exacerbations in asthma and copd contributions

american journal of respiratory and critical care medicine

April 7th, 2020 - chronic obstructive pulmonary disease copd is responsible for an enormous global burden of morbidity mortality and healthcare expense and is the only leading cause of death with a rising prevalence the course of copd is plicated by acute exacerbations aes which are associated with high mortality accelerated loss of lung function and a large fraction of the disease s direct''**infection as a orbidity of copd european respiratory**

May 27th, 2020 - the normal lung has several defence mechanisms to deal with microanisms lower respiratory infections in the absence of lung disease are therefore relatively infrequent as pared with upper respiratory tract infections in healthy adults in the setting of chronic obstructive pulmonary disease copd lower respiratory tract infections both acute and chronic occur with increased frequency'

'models of exacerbations in asthma and copd book 2007

May 27th, 2020 - covid 19 resources reliable information about the coronavirus covid 19 is available from the world health organization current situation international travel numerous and frequently updated resource results are available from this worldcat search oclc s webjunction has pulled together information and resources to assist library staff as they consider how to handle coronavirus'

'frontiers virus induced exacerbations in asthma and copd

June 2nd, 2020 - chronic obstructive pulmonary disease copd is characterized by chronic airway inflammation and or airflow limitation due to pulmonary emphysema chronic bronchitis pulmonary emphysema and bronchial asthma may all be associated with airflow limitation therefore exacerbation of asthma may be associated with the pathophysiology of copd furthermore recent studies have suggested that the''**new strains of bacteria and exacerbations of chronic**

June 3rd, 2020 - background the role of bacterial pathogens in acute exacerbations of chronic obstructive pulmonary disease is controversial in older studies the rates of isolation of bacterial pathogens from spu''**clinical predictors of bacterial involvement in**

June 4th, 2020 - the following variables were associated with a bacterial exacerbation according to the primary criteria in univariate analysis gram stain result relevant decrease in the fev 1 clinical judgment bmi and number of exacerbations in preceding year these were included in a multivariate logistic regression model this analysis revealed that gram stain result decrease in the fev 1 and number''**pseudomonas aeruginosa and risk of death and exacerbations**

June 5th, 2020 - time dependent cox proportional hazards models and propensity matching was used to estimate hospitalization demanding exacerbations and death after 2 years separately and in bination results a total of 22 053 copd outpatients were followed for a median of 1082 days interquartile range 427 1862''**current understanding of the acute exacerbation of chronic**

April 8th, 2020 - an acute exacerbation of crs is defined as an acute and transient worsening of preexisting symptoms in patients with crs fokkens et al 2012 and the frequency of crs exacerbations is recently identified as an independent predictor of quality of life phillips et al 2017 currently triggers leading to crs disease exacerbation are not well characterized'

'lung microbiology and exacerbations in copd europe pmc

November 16th, 2019 - lung microbiology and exacerbations in copd the relative contributions of viruses and bacteria in copd exacerbations mechanisms of susceptibility to infection and the role of antibiotics future studies should aim to further evaluate which aspects of human bacterial copd exacerbations existing models accurately mimic as well as'

'human rhinoviruses clinical microbiology reviews

June 3rd, 2020 - human rhinoviruses hrvs first discovered in the 1950s are responsible for more than one half of cold like illnesses and cost billions of dollars annually in medical visits and missed days of work advances in molecular methods have enhanced our understanding of the genomic structure of hrv and have led to the characterization of three genetically distinct hrv groups designated groups a b'

'asthma and atypical bacterial infection chest

June 1st, 2020 - a growing body of basic and clinical science implicates the atypical bacterial pathogens mycoplasma pneumoniae and chlamydia pneumoniae as potentially important factors in asthma although their exact contribution to asthma development and or persistence remains to be determined evidence from human studies links both m pneumoniae and c pneumoniae to new onset wheezing'

'contributions to microbiology rg journal impact rankings

April 16th, 2020 - contributions to microbiology the past two decades have witnessed renewed concern about infectious diseases for reasons such as the emergence of new pathogens and the development of'

'pseudomonas aeruginosa and lung function decline in

May 9th, 2020 - when the number or severity of exacerbations per year during the follow up was included in the model instead of the number or severity of exacerbations during the previous year the results did not change significantly probably due to the high correlation colinearity between these two variables pearson coefficient 0 71'

'models of exacerbations in asthma and copd

May 28th, 2020 - download citation models of exacerbations in asthma and copd in both children and adults rhinovirus rv infections remain a major cause of exacerbations in asthma'

'are copd self management mobile applications effective a

June 3rd, 2020 - the burden of chronic obstructive pulmonary disease copd to patients and health services is steadily increasing self management supported by mobile device applications could improve outes''clinical and safety outes of long term azithromycin

June 1st, 2020 - google scholar see all references although exacerbations have multiple causes an infectious etiology is by far the most frequent and bacterial infections account for one half of acute episodes 7 x 7 miravitlles m and anzueto a role of infection in exacerbations of chronic obstructive pulmonary disease'

'archives of microbiology home

June 5th, 2020 - archives of microbiology publishes papers on all areas of basic research in microbiology research papers must make a significant and original contribution to microbiology and be of interest to a broad readership the results of any experimental approach that meets these objectives are wele particularly biochemical molecular genetic physiological and or physical investigations into'

'the microbiology of asthma nature reviews microbiology

June 3rd, 2020 - advances in molecular microbiology offer new avenues by which to discover the roles of microanisms in asthma pathogenesis and exacerbation there is now overwhelming evidence that asthma can be''geographic variation in the aetiology epidemiology and

May 31st, 2020 - the contribution of the lung microbiome its ethnic variation and subsequent roles in disease progression and response to therapy across geographic regions warrant further investigation this review summarises the known geographical differences in the aetiology epidemiology and microbiology of bronchiectasis'

'many faces of pseudomonas aeruginosa in chronic

May 19th, 2020 - bacterial infection of the airways plays a critical role in the course and pathogenesis of chronic obstructive pulmonary disease copd bacteria cause acute exacerbations that characterize the course of copd and these exacerbations are associated with substantial morbidity and mortality in addition bacteria are present in the lower airways of many adults with copd even during clinically'

'lipopolysaccharide induces steroid resistant exacerbations

May 11th, 2020 - the goal of this study was to identify mechanisms underlying bacterial induced exacerbations by employing lps as a surrogate for infection methods we developed a mouse model of lps induced exacerbation on the background of pre existing type 2 allergic airway disease aad results'

'treatment of pulmonary exacerbations in cystic fibrosis

June 4th, 2020 - pulmonary exacerbations have very important consequences in cystic fibrosis cf both in terms of current morbidity as well as implications for long term morbidity and mortality even though there is no universally agreed definition of pulmonary exacerbation prompt and aggressive treatment with a multidisciplinary approach is remended'

'asthma exacerbation an overview sciencedirect topics

May 31st, 2020 - asthma exacerbation asthma exacerbations are defined as episodes of a loss of disease control that are characterized by progressive worsening of symptoms such as shortness of breath chest tightness cough and or wheezing usually noted in conjunction with objective measures of airflow obstruction'

'airway microbiome dynamics in exacerbations of chronic

May 24th, 2020 - specific bacterial species are implicated in the pathogenesis of exacerbations of chronic obstructive pulmonary disease copd however recent studies of clinically stable copd patients have demonstrated a greater diversity of airway microbiota whose role in acute exacerbations is unclear in this study temporal changes in the airway microbiome before at the onset of and after an acute'

'frontiers pathology of asthma microbiology

June 3rd, 2020 - asthma is a serious health and socioeconomic issue all over the world affecting more than 300 million individuals the disease is considered as an inflammatory disease in the airway leading to airway hyperresponsiveness obstruction mucus hyper production and airway wall remodeling the presence of airway inflammation in asthmatic patients has been found in the nineteenth century'

'pseudomonas aeruginosa and risk of death and exacerbations

June 4th, 2020 - a total of 22 053 copd outpatients were followed for a median of 1082 days interquartile range 427 1862 p aeruginosa was present in 905 41 patients during 730 days of follow up p aeruginosa strongly and independently predicted an increased risk of hospitalization for exacerbation or all cause death hr 2 8 95 ci 2 2 3 6 p lt 0 0001 and all cause death hr 2 7 95 ci 2 3 3 4'

'models of exacerbations in asthma and copd contributions

October 14th, 2019 - models of exacerbations in asthma and copd contributions to microbiology vol 14 u sjöbring j d taylor a schmidt h herwald on free shipping on qualifying offers this volume provides an overview of exacerbation models of asthma and chronic obstructive pulmonary disease copd'

'microbiology ch 1 a brief history of microbiology

December 16th, 2019 - describe the major contribution of von behring and kitasato to the field of immunology they showed that the body can protect itself from repeated diseases by the same anism this finding crerated 2 branches of study with microbiology serology study of blood and immunology study of the bodys defense against specific pathogens'

'colour of sputum is a marker for bacterial colonisation in

June 2nd, 2020 - bacterial colonisation in chronic obstructive pulmonary disease copd contributes to airway inflammation and modulates exacerbations we assessed risk factors for bacterial colonisation in copd patients with stable copd consecutively recruited over 1 year gave consent to provide a sputum sample for microbiologic analysis bronchial colonisation by potentially pathogenic microanisms ppms'

'treating viral exacerbations of chronic obstructive

June 1st, 2019 - background chronic obstructive pulmonary disease is a progressive lung disease that is punctuated by periods of exacerbations worsening of symptoms that are attributable to viral infections while rhinoviruses are most monly isolated viruses during episodes of exacerbation influenza viruses have the potential to bee even more problematic with the increased likelihood of an epidemic'

'models of exacerbations in asthma and copd contributions

September 24th, 2019 - buy models of exacerbations in asthma and copd contributions to microbiology vol 14 read books reviews'

'bacterial infections in acute exacerbation of chronic

February 8th, 2020 - objective due to the importance of chronic obstructive pulmonary disease copd as the fourth cause of mortality worldwide and the lack of studies evaluating the prevalence of bacterial infections in disease exacerbation this systematic review and meta analysis was performed to determine the prevalence rate of bacterial infections in copd patients'

'pulmonary exacerbations and clinical outes in a

June 2nd, 2020 - pulmonary exacerbations pex in school aged children and adults with cystic fibrosis cf lead to increased morbidity and lung function decline however the effect of exacerbations in young children with cf is not fully understood we sought to characterize the frequency and clinical impact of pex in a pilot study of infants and pre school aged children with cf'

'models of exacerbations in asthma and copd u sjobring

March 15th, 2020 - et al lipopolysaccharide challenge of humans as a model for chronic obstructive lung disease exacerbations kharitonov s a sjobring u a human rhinovirus model of chronic obstructive pulmonary disease exacerbations contoli m'

'prediction of asthma exacerbations in children by

April 23rd, 2020 - background in asthma management guidelines the primary goal of treatment is asthma control to date asthma control guided by symptoms and lung function is not optimal in many children and adults direct monitoring of airway inflammation in exhaled breath may improve asthma control and reduce the number of exacerbations aim 1 to study the use of fractional exhaled nitric oxide feno and''

'the role of acute and chronic respiratory colonization and

May 12th, 2020 - the role of acute and chronic respiratory colonization and infections in the pathogenesis of copd janice m leung a renewed focus has been placed on the microbiology of copd and the characterization of the lung microbiome in both its acute and chronic states future studies are required to better define the contribution of infection in'

'chronic obstructive pulmonary disease

May 22nd, 2020 - chronic obstructive pulmonary disease copd is a type of obstructive lung disease characterized by long term breathing problems and poor airflow the main symptoms include shortness of breath and cough with sputum production copd is a progressive disease meaning it typically worsens over time eventually everyday activities such as walking or getting dressed bee difficult'

'building toolkits for copd exacerbations lessons thorax

May 31st, 2020 - introduction an exacerbation of chronic obstructive pulmonary disease copd is defined as an acute worsening of respiratory symptoms that results in additional therapy 1 the word exacerbation has a latin root stemming from the verb exacerbare meaning to provoke to anger and the oxford english dictionary defines an exacerbation as the process of making a problem bad situation'

'models of exacerbations in asthma and copd a schmidt

May 13th, 2020 - models of exacerbations in asthma and copd will be of great interest to pulmonologists allergologists specialists in internal medicine and critical care as well as to microbiologists infectiologists and pharmacologists studying the response to respiratory infections'

'longitudinal profiling of the lung microbiome in thorax

May 22nd, 2020 - background alterations in the position of the lung microbiome associated with adverse clinical outes known as dysbiosis have been implicated with disease severity and exacerbations in copd objective to characterise longitudinal changes in the lung microbiome in the aeris study acute exacerbation and respiratory infections in copd and their relationship with associated copd outes'

'louis pasteur and his contributions basic microbiology

June 4th, 2020 - louis pasteur and his contributions louis pasteur was a french chemist and microbiologist considered the most important founders of microbiology microbiology developed as a scientific discipline from the era of louis pasteur 1822 1895 himself he first coined the term microbiology for the study of anisms of microscopic size'

'circulating micrnas and prediction of asthma

June 2nd, 2020 - circulating micrnas have shown promise as non invasive biomarkers and predictors of disease activity prior asthma studies using clinical biochemical and genomic data have not shown excellent prediction of exacerbation we hypothesized that a panel of circulating micrnas in a pediatric asthma cohort bined with an exacerbation clinical score might predict exacerbation better than the'

'lung microbiology and exacerbations in copd

February 7th, 2017 - additional follow up of these patients subsequently also reported a significant association between acquisition of p aeruginosa and exacerbation contrary to what was previously reportedl3 and a study of m catarrhalis determined that acquisition of a new strain is associated with 10 of exacerbations 75 in another publication from this group the clinical and inflammatory responses associated with acquisition of a new strain of h influenzae s pneumoniae m catarrhalis and p aeruginosa'

'exacerbation of respiratory symptoms in copd patients may

May 14th, 2020 - caused by exacerbations of chronic respiratory diseases that may be present in patients with copd e g asthma bronchiectasis and interstitial lung diseases in these cases it would be almost impossible to identify the main ca use or the relative contribution finally exacerbation of respiratory symptoms in patients with''the biology of pulmonary exacerbations in bronchiectasis

June 5th, 2020 - microbiology during the stable state and exacerbations infection is one of the key points in both the stable state and during exacerbations of bronchiectasis current guidelines suggest obtaining sputum cultures at least every year in stable bronchiectasis 23 51'

'bacterial infection in chronic obstructive pulmonary

May 31st, 2020 - bacterial pathogens as a cause of acute exacerbations of copd bacteria are isolated from sputum in 40 to 60 of acute exacerbations of copd table 2 shows the sputum bacteriology obtained in 14 clinical trials of antibiotics in acute exacerbation published in the last 4 years 12 19 53 55 71 74 127 170 172 251 278 348'

'caspase 1 deficiency reduces eosinophilia and interleukin

June 3rd, 2020 - rhinovirus infections are mon triggers of asthma exacerbations viruses can activate the inflammasome resulting in processing and activation of caspase 1 this recruitment triggers production of interleukin il 1? and il 18 which have been implicated in asthma elucidating the involvement of the inflammasome and its partments such as caspase 1 in asthma exacerbations is warranted'

'models of exacerbations in asthma and copd contributions

April 17th, 2020 - models of exacerbations in asthma and copd contributions to microbiology vol 14 series editors axel schmidt witten heiko herwald lund models of exacerbations in asthma and copd volume editors ulf sjöbring lund john d taylor lund 12 figures 4 in color and 4 tables 2007''

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