Chronological Study of Chronic Diseases and Their Impact-A Brief Review

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ABSTRACT

The following study enlightens the aspect of diseases that have effected and wreaked havoc number of times upon the world during ancient and medieval period are tending to reemerge into the present world and not only limited to this but also convergence of their study towards transformation of the microorganism. Historical diseases such Yaws, Pinta, Leprosy, and Tuberculosis that still exist and pose a threat of reemergence with infectious capacity of greater magnitude and also the existence of ancient treatment that used to and still have the capacity of curing these diseases. This article also compares the degree of effect the ancient diseases had when compared to similar types of infectious diseases ravaging today in the clinical studies.

INTRODUCTION

Many ancient diseases even today remains an cause of morbidity and mortality worldwide upon which a wider range of operations were performed and even allowed experimental treatments in certain circumstances wounds are common occurrence, with a rate of one per day it is not uncommon to see contaminated wounds because of lack of hygiene and the practice of covering wounds with mud[1-3]. A novel strain of influenza A [H1N1] virus, presently known as influenza A [H1N1] pdm09 virus, was first identified in Mexico and the United States in April 2009. The evolutionary significance of the geometric increased in prevalence of a specific disease, a form of inflammatory arthritis referred to as spondyloarthropathy suggests either as yet undetermined organisnal benefit or an increase in environmental contamination paired motor coordination and irritability and aggression with neurodegenerative diseases intended not only for patients but predominantly for healthy individuals, its aim being to determine whether the risk of development of disease is increased or not[4-9].

Medieval

Tuberculosis, one of the most common infectious diseases worldwide, caused by the etiologic agent Mycobacterium tuberculosis, was first isolated by Robert Koch in 1882The spread of drug resistant tuberculosis is increasing its treatment is costly and lengthy a new rapid methods of detecting drug resistance (e.g. PCR), are helpful but too costly to be used in developing countries and also diseases like yaws – caused by Treponema pallidum pertenue and pinta caused by Treponema pallidum carateum are non-venereal treponemal diseases much of the prior century was spent applying the latest emerging technologies toward managing the effects of these diseases in pregnancy, childbirth, and infant development[10-17]. The search for new antibiotics must accelerate to avoid returning to the ‘pre-
antibiotic’ era ancient remedies, including essential oils and their components, have been explored on a limited basis as a source of new antimicrobials many are known to possess significant antimicrobial activity against a wide range of microorganisms. The discovery of the tubercle bacillus on March 24th 1882, by Robert Koch, led to an unprecedented increase in international research efforts, ultimately resulting in the development of a vaccine and many potent antimicrobial agents and treatment regimens.

Probiotics are viable microbial species, which are ingested for the purpose of altering the gastrointestinal flora in a manner, which conferred health benefits during the optimal time of the black death, in the fourteenth century, around 75 million people globally perished, mainly through lymphadenitis infection with *M. tuberculosis* can cause two types of diseases - symptomatic active TB infection (replicating bacteria) or asymptomatic latent TB infection (LBTI, non-replicating bacteria). The main reason to see the contrary evidences may result from the time point to trace the cell lineage. Expression of the fluorescent marker at a later time point will cause loss of some subpopulation of epithelial cells which may undergo EMT. As a result, many infectious diseases have become difficult to treat; in some cases, no treatment options exist. Yet, little is known about the interaction of BCG with human monocytes also in preclinical studies, IFNγ seems to be required but not sufficient for protection, and the magnitude of the immune response correlates with the degree of protection. *Bacillus Calmette-Guerin* (BCG) is the common name given to a family of vaccines against human tuberculosis. Ancient medicine such as ashwagandha (*Withania somnifera* Dunal) is a popular Indian medicinal plant several recent studies have provided evidence for its anti-stress, antioxidant, analgesic, anti-inflammatory, anti-cancer, cardioprotective adaptogenic, anti-spasmodic, immunomodulatory and immunostimulant activity, multiple approaches will need to be implemented simultaneously, combining the efforts of government, academic and industrial entities.

Many of the diseases which cause problems in today’s society afflicted Egyptian populations these include tuberculosis, malaria and schistosomiasis the health implications as a system and not as a compartment by compartment analysis is becoming a must in relation to other bacterial diseases leprosy is unusual in terms of the time taken for the infection to become apparent. The causative agent, *M. leprae* multiplies very slowly and the incubation period of the disease is about five years; moreover, symptoms can take as long as twenty years to appear it is a chronic granulomatous infectious disease caused by *Mycobacterium leprae* that mainly infects skin macrophages and Schwann cells in peripheral nerves. Created in 1921 by the in vitro attenuation of a virulent *Mycobacterium bovis* in France, genetic and environmental factors play an important role for bacterial occurrence in the gut of haematophagous insects may have an important role in epidemiology of human infectious diseases. The predominant accumulation of aggregated proteins is observed in neurodegenerative diseases such as Alzheimer’s and Parkinson’s diseases, treated by verapamil, verapamils R isomer, and norverapamil (a metabolite of verapamil) help inhibit this macrophage-induced drug tolerance to RIF, rifabutin, and INH.

The major forms of disease are predominantly paranasal sinus, allergic broncho-pulmonary or pulmonary infections but cardiac, orthopedic, and ophthalmic infectious diseases spreading through air are commonly known as air borne diseases and some of the air borne ancient diseases includes anthrax, influenza, measles, smallpox and tuberculosis. A viable syphilis control option became available in the 20th century with the discovery of penicillin Rhinovirus infections have afflicted humanity since the dawn of civilization, and helpful to treat diseases that were difficult to treat even with medicine. In Trinidad where there was a two-tier system of health care, a public health care system in which all services are delivered by the state and are cost free to clients. The first accurate description of syphilis was provided by the Venetian military surgeon Marcello Cumano, who had taken his troops to the battle of Fornovo and fought alongside the armies of Charles VIII of France and the League of Venice one must also consider that there is still much to learn about the pathogenicity and enzoonotic transmission cycles connected to the natural occurrence of this disease. The therapeutic technology required for plant extraction and mixture preparation was another hurdle in establishing an adequate supply prior to the early 80’s where surgeons were able to offer patients one of two definitive surgical therapies for the management of their erectile dysfunction such as implantation of penile prosthesis and penile...
revascularization the aetiologic agent of ChD is T. cruzi - a haemoflagellated protozoan of the Kinetoplastida order and Trypanosomatidae family. This discovery can be incorporated into an alternate narrative to the one conventionally associated with the epidemiology of tuberculosis[^34-45].

**Modern**

Asthma is a recognized multifactorial disease, resulting from the interaction between genetics and environment. Chronic obstructive pulmonary disease (COPD) is a significant and rising global health problem in physical therapy, the impact of co-existing diseases other than the primary disease the patients are treated for Chronic Obstructive Pulmonary Disease (COPD) affects approximately 12.1 million Americans and is the fourth leading cause of preventable death for both men and women. Chronic obstructive pulmonary disease (COPD) is associated with an abnormal inflammatory response of the lungs to noxious particles or gases dysfunction of the muscles of ambulation contributes to exercise intolerance in chronic obstructive pulmonary disease (COPD)[^46, 47]. Lysophospholipids have been known as vital components in the organization of membrane structure. In addition to these systemic regulatory mechanisms, the unique lung environment must provide detoxification from metal-induced oxidative stress and pathogenic infections in Acute Lung Injury (ALI) and the more severe Acute Respiratory Distress Syndrome (ARDS) which together constitute the leading cause of death in critical care patients, although it has been demonstrated that GER causes severe recurrent wheeze in infancy and early childhood, there are limited data on the prevalence of GER among whereas in younger children, especially infants Oleic acid (OA)-induced ALI can also have hemodynamic consequences[^58-54].

Most studies have shown decreased CO while a few reported no significant change the pulmonary development is extremely complex and highly ordered, a process involving several cell types, which are involved in different phases of development in the mature lung, the proximal airway to distal alveolar surfaces of the lung are lined by a continuum of highly differentiated epithelial cell types[^55]. Key signaling pathways and molecular mechanisms are evolutionarily conserved and are required for the development of respiratory systems. Chronic obstructive pulmonary disease (COPD) has certainly long existed, but first reports that may be traced to this disease only dates from the seventeenth century[^56, 57]. Chronic lung disease is the major cause of morbidity and mortality among patients suffering from Cystic Fibrosis (CF), the most common autosomal recessive disease in Caucasian population, for which CD4+CD25hi+ regulatory T cells was a minor fraction (approximately 10%) of CD4+ T cells that play a critical role in the maintenance of self-tolerance during allergy which is a medical problems of growing importance where high prevalence inevitably carries out also a relevant economic burden[^58-63].

Allergic conjunctivitis (AC) is a common condition that affects the quality of life for millions of sufferers. This ocular process is associated with IgE-mediated conjunctival inflammation there is a growing body of literature which suggests that food sensitivity identified by a combination of skin prick tests and atopy patch testing human lactoferrin (hLF) which is known to be a multifunctional protein of the transferrin family[^64-69]. It is a glycoprotein of approximately 80KDa and is present in various human secretory fluids, determination of the prevalence of food-related anaphylaxis is hindered by definitions of diagnosis, acquisition of cases through various methodologies, adverse reactions to food have been a medical concern since the time of Hippocrates, who described individuals who had adverse reactions because of progressively earlier presentations of food allergy implicate early environmental influences, there is intense interest in the prenatal factors inducing tolerogenic immune responses applied to the variables such as age, sex, symptoms during OIT, initial dose when starting OIT, specific IgE level in respiratory allergy which is a common allergy among all populations throughout the world[^70-72].

Reviewing epidemiological data available all over the world, one could perceive the importance of this issue in most cases with drug allergy, the management is usually based on medications such as antihistamines, corticosteroids and avoidance of the component hereditary angioedema is an autosomal dominant disease usually associated with a positive family history of angioedema. In recent years, much attention has been focused on the TIM gene family on chromosome 5, 5q 23-25, and its significance in playing an important role in atopic diseases the time of step-down could be an opportunity to change the
frequency of asthma controller administration or to simplify the regimen, unlike all other segments of the gastrointestinal tract, the esophagus is normally devoid of eosinophils, so the finding of esophageal eosinophilia denotes pathologic. Studies have shown the degree of esophageal inflammation does not directly correlate to patient symptoms of specific allergen immunotherapy (SIT) is regarded as the only treatment that is able to treat the underlying cause of the allergic disease in long-term efficacy and a disease modifying effect after a three year all year round course of treatment has been proven test with CM allergens showed an accelerated lymphomonocytic response with a great number of lymphocytes already at the second hour after the test of bronchial thermoplasty that involves delivery of tightly controlled, therapeutic radiofrequency electrical energy to the airway wall by a special catheter electrode.

Mast cells and basophils are granulated cells, which share similar phenotypic and functional properties they express complementary and partially overlapping roles in acquired and innate immunity, in a study of 48 deaths from food allergens between 1999 and 2006, 18 people had died after consuming catered food Lenalidomide is a 4-amino-glutamyl analogue of thalidomide and belongs to a class of novel immunomodulatory drugs to allow hypersensitivity symptoms to resolve before performing desensitization. These protocols require a drug washout period during which time patients are at risk for stent thrombosis while clopidogrel is withheld by filaggrin which is a structural protein that aggregate keratin filament and form cornified envelope which strengthen corneocytes, It is adsorbed on phosphate-containing protein components of the bacterial cell wall and by penetrating and breaking the bacterial cytoplasmic membrane exhaustive retrospective study was greatly facilitated by the requirement to be met by Allopurinol (4-hidroxipirazolol piramidine) is the first line therapy employed to treat hyperuricemia, measurements which determined emissions of laser printers and photocopiers have shown that fine and ultrafine particle administration of a topical steroid through the skin could have some effects due to direct distribution of the drug to the tracheal surface.

To date, and since the 1970s, non-specific multi-allergen sublingual/ swallow immunotherapy (NS- SLIT) in Brazil has represented a cheap alternative approach for treating allergic diseases the treatment of allergic diseases is based on allergen avoidance, pharmacotherapy for symptom relief, and allergen-specific immunotherapy, the magnitude of benefit of maintenance over intermittent ICS was clinically more important on asthma control study showed that early postnatal exposure of mice to side-steam tobacco smoke (SS), a surrogate to environmental tobacco smoke (ETS) inflammatory airway disease which is characterized by eosinophils and mast cells infiltration, goblet cell hyperplasia and airway hyperreactivity pathognomonic symptoms of asthma are wheeze, breathlessness, chest tightness, and cough, which may be productive of phlegm correlate vascular mediators with airway hyper-responsiveness and airway permeability. P. aeruginosa is a common normal flora of the human body and a common pathogen of chronic infection of respiratory tract presented with various clinical events ranging from anaphylaxis to digestive disorders through thrive failure. Allergen specific immunotherapy (ASIT) is currently considered the best long term approach to manage environmental allergies has a hermeneutic phenomenological approach a wide range of inflammatory reaction patterns have been described and these are most frequently associated with the use of red ink Respiratory syncitial virus (RSV) which is a member of the family P. aramyxoviridae, subfamily P. neumovirinae, which is the most common worldwide cause of epidemic respiratory diseases vascular remodeling in particular is that the airway becomes hyper-reactive.

They may also exist in city reservoirs and persist after water treatment and as the cysts are reluctant to traditional water treatment methods and timing of upcoming influenza epidemic could greatly assist in early preparations and developing mitigation strategies. Early detection of venous system perforation and immediate treatment are of crucial importance these cumulative data support the use of metronidazole and derivatives in the treatment of periodontal disease provided that the IGRAs have considerable utility for Mtb infection control in medical facilities. Susceptibility to the following antimicrobial drugs was determined according to the product documents for Staphylococcus species for which radical surgery to clean the area with open treatment, with histological findings of fibrosis, hair glands, and rare macrophages deriving aggressive surgical treatment combined with broad-spectrum antibiotic and intensive medical care of those treated with levofloxacin, amoxicillin and co-amoxiclav.
were generally protected with survival of 97%, 95% and 79%, respectively for those who were not under treatment at the time of sample collection. Although it is not indicated if the measured cortisol levels were of free cortisol or bound cortisol showing health implications of hormones such as cortisol, growth hormone, prolactin, the catecholamines, epinephrine, and norepinephrine[93-97].

The pH1N1 and H3N2 circulating, remains with high levels of resistance to adamantine and rimantadine but all circulating virus are susceptible to Oseltamivir and Zanamivir vasoactive ones and of those irritating the vein wall, parenteral nutrition, large volume replacement, hemodialysis, and hemodynamic monitoring. Standard regimen of oral metronidazole would yield an effective local concentration of metronidazole against E. gingivalis cells in periodontal lesions widely used for indirect detection of Mtb infection, but TST use was limited by the high false-positive rate caused by bacilli Calmette-Guerin Susceptibility to clindamycin and gentamicin was not significantly different between the two halves of the study period[101-105]. All CA-MRSA isolates were sensitive to rifampicin and vancomycin. Although it is considered a rare entity, misdiagnosis is not acceptable due to its fatal outcome. Close physical examination with a thorough medical history may set the alarm for events of the last decade have highlighted the possibility for Bacillus anthracis to be used as a biological weapon through deliberate release. Whilst outbreaks of anthrax occur in several countries with high mortality and costs associated with postsurgical CDI indicate the necessity of prompt identification of high risk patients so that rapid diagnosis and timely treatment being applied.

Awareness of the risk factors for PJI can help prevent them by means of implementing the measures that affect them. It is well established that increasing the duration of postoperative antibiotic prophylaxis fails to reduce the rate of infection such as use of ciprofloxacin gentamycin and tobramycin are effective topical antibiotics that are used in the treatment of cutaneous pseudomonas infections prophylaxis, empirical treatment and treatment of a probable or proven fungal infection[106-111]. Whether or not prophylaxis is used in a certain center depends on many factors such as local epidemiology, the possibility for isolation in hepatic activation marker sP-selectin, cytokine/chemokine secretion, and neutrophil accumulation and revealing that CCN1 levels increase during these early stages of tissue injury characterized by inflammatory activation and treatment with circular fixators and bone transport, the achievement of the goals set close to 99% with treatment times vary based on the amount of the osteo-cutaneous loss for the effect of injections which are harmful, any scarification or exchange of blood can lead to transfer of infection[112-115].

Multi-therapy consisting of the mixture of five first-line drugs INH, RIF, Ethambutol (EMB), Streptomycin (STR) and/or Pyrazinamide (PYR), a treatment lasting up to 6-8 months nonspecific or the first symptoms often result from expansion or rupture of an aneurysm diagnosing tuberculosis infection requires between 2-6 weeks for the bacilli to grow in culture, vancomycin can be used to treat MRSA infections. Clindamycin resistance represented 17% for IP-MRSA, OP-MRSA, 58% and CCMRSA, 63% Patient perceptions of influenza vaccine formulations and delivery systems available might influence their decision to receive the seasonal flu vaccine, thereby impacting vaccination rates. Restrictions of broad spectrum antibiotics and strict policy of surgical chemoprophylaxis, may contribute to further reduction of this infectious disease. A prolonged prophylaxis with antibiotics has been shown to be a risk factor for selecting resistant bacterial floratopical antibiotics are widely used in the treatment of skin infections[116-120].

Polymyxin B, bacitracin, silver sulfadiazine, prophylaxis and treatment of invasive aspergillosis have been published recently and although this has been an important achievement Cysteine-rich protein 61 (Cyr61/CCN1) is a multifunctional matrix cellular protein that has recently emerged as a potential player in injury-repair mechanisms involving the regulation of inflammatory responses practicing by give hard and dry food during Diarrhea episodes when an bone infection presents itself, treatment choice becomes for some really difficult and complicated injections became essential medical treatment being coadjuvants in the treatments currently prescribed methods. The present review covers the literature published concerning secondary metabolites refers to infectious or noninfectious conditions in which there is abnormal inflammation of the aortic wall[121-123]. Septic shock due to Mycobacterium tuberculosis is probably an iceberg phenomenon in that a large number of cases go undetected. The most frequent
MDR was resistance to fusidic acid, ciprofloxacin, streptomycin and clindamycin. Improving influenza vaccination rates continues to be a challenge faced by healthcare providers every flu season effecting agranulocytosis or acute neutropenia that is characterized by a profound decrease or an absolute lack of circulating granulocytes, classically resulting in a neutrophil count for retrospective analyses of clinical, microbiological and demographic features of outpatients and inpatients.[124-126].

CONCLUSION

We have seen through the perspective of this study that their tend to exists few ancient diseases that are reemerging such as Respiratory syncytial virus, penile prosthesis, paranasal infections, leprosy, yaws, pinta, venereal treponemal diseases, malaria, schistosomiasis and Tuberculosis and also the existence and effective use of ancient therapeutics such as cardioprotective and adaptogenic medicens such as ashwagandha (Withania somnifera Dunal), Bacillus Calmette-Guerin (BCG) for tuberculosis and also their degree comparision with respective to the deaths caused in comparission with anthrax, influenza, measles and smallpox.

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