

АННАЛИ МЕЧНИКОВСЬКОГО ІНСТИТУТУ

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ЗМІСТ

Огляди

ВИРУСЫ И АУТОИММУННЫЕ РЕВМАТИЧЕСКИЕ ЗАБОЛЕВАНИЯ ВЗГЛЯД НА ПРОБЛЕМУ

Савво В.М., Киселева Л.П.

VIRUSES AND AUTOIMMUNE RHEUMATIC DISEASE. LOOKING FOR PROBLEM

Savvo V.M., Kyselyova L.P.

In this article is summaries some of the areas of current research that may eventually clarify the mechanism by which infectious agents could act as the inciting agents of autoimmune rheumatic disease. Authors tried to assess mechanisms of viral pathogenesis in rheumatic disease by focusing on known viruses capable of causing inflammatory arthritis syndromes and comparing virally induced immunological aberrations with those noted in rheumatic disease patients. The experimental evidence shows immunological cross reactivity between autoantigens and viruses. Proteins of commonly occurring viruses have profound effects on the cytokine, antigen recognition and lymphocyte cell survival. Molecular mimicry and immunomodulation by viruses proteins may account for both cross reactivity with autoantigens and abnormal T and B cell functions in autoimmune disorders.

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Експериментальні праці

НАИБОЛЕЕ ЗНАЧИМЫЕ КЛИНИКО-ЛАБОРАТОРНЫЕ КРИТЕРИИ ДИАГНОСТИКИ СМЕШАННЫХ МИКОПЛАЗМО-ГЕРПЕСВИРУСНЫХ ИНФЕКЦИЙ У БОЛЬНЫХ С ВОСПАЛИТЕЛЬНЫМИ ЗАБОЛЕВАНИЯМИ ГОРТАНИ

Панченко Л.А., Куликова Е.А., Попова Н.Г., Кириченко И.И., Попова Л.А.,
Васина С.И., Звягольская И.Н., Личко В.А., Короваева И.В.

THE MAIN CLINICAL LABORATORY DIAGNOSTIC CRITERIONS FOR THE MIXED MYCOPLASMA AND HERPESVIRAL INFECTIONS ASSOCIATION IN PATIENTS WITH THE ACUTE LARYNGEAL DISEASES

Panchenko L.A., Kulikova E.A., Popova N.G., Kirichenko I.I., Popova L.A., Vasina
S.I., Zvyagolskaya I.N., Lichko V.A., Korovaeva I.V.

Association of mycoplasma and herpesviruses with high level contamination was established (91,7 % and 67,5 % for acute and chronic laryngitis course accordingly) after serological examination of the 52 patients with the acute laryngeal disease. The basic clinic laboratory diagnostic criterions of the mixed infections were been prolonged acute inflammatory process in larynx and its relapses to 3-4 time in a year and high level of Ig M and Ig G for herpes and mycoplasma. Besides main disease's symptoms in the patients was been weakness, sweating, not infrequently prolonged subnormal body's temperature and neck's lymphadenitis.

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ФАГОЦИТАРНА АКТИВНІСТЬ НЕЙТРОФІЛІВ ПЕРИФЕРІЙНОЇ КРОВІ ТА МАКРОФАГІВ БРОНХОАЛЬВЕОЛЯРНОГО ЛАВАЖУ ПРИ ПНЕВМОНІЙ РІЗНОЇ ЕТІОЛОГІЇ В ЕКСПЕРИМЕНТІ

Коляда Т.І., Бруснік С.В., Михайличенко М.С., Нестеренко А.М., Коляда О.М.

PHAGOCYTIC ACTIVITY OF PERIPHERAL BLOOD NEUTROPHILS AND BRONCHOALVEOLAR LAVAGE MACROPHAGES IN EXPERIMENTAL PNEUMONIA OF DIFFERENT ETIOLOGY

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Kolyada T.I., Brusnik S.V., Mikhailichenko M.S., Nesterenko A.M., Kolyada O.M.
Nosocomial pneumonia is an important problem and is one of the leading causes of mortality from infectious diseases. The immune response in course of pneumonia, especially the non specific resistance features, is pathogen-specific and differs depending on the type of the causative agent of pathologic processes in the lung. The staphylococcal inflammatory process in the lung is accompanied by an increase in the phagocytic activity of blood neutrophils and bronchoalveolar lavage macrophages. On the contrary, candidal inflammation is characterized by the decrease in these parameters. The most pronounced and stable decrease in phagocytic activity was observed in animals with inflammation caused by mixed infection.

**ВИДОВИЙ СКЛАД, ПОПУЛЯЦІЙНИЙ РІВЕНЬ ТА
АНТИБІОТИКОЧУТЛИВІСТЬ МІКРОФЛОРИ ВИДІЛЕНЬ З УРЕТРИ ХВОРИХ
НА ХРОНІЧНИЙ БАКТЕРІАЛЬНИЙ УРЕТРИТ ЧОЛОВІКІВ**

Сидорчук Л.І., Авдєєва Л.В., Сидорчук А.С.

**SPECIES COMPOSITION, POPULATION LEVEL AND SENSITIVITY TO
ANTIBIOTICS OF MICROFLORA OF URETHRAL SECRETIONS OF MEN THAT
ARE SICK WITH CHRONIC BACTERIAL URETHRITIS**

Sydorchuk L.I., Avdeeva L.V., Sydorchuk A.S.

It has been conducted the investigation of species composition, population level sensitivity to antibiotics of representatives of microflora of secretions from urethra of 107 men that are sick with chronic bacterial urethritis. It has been established that more often microflora of urethral secretion of them are introduced by associations, which are formed by three specieses of microorganisms, among them the leading role have gonococcus, goldish staphylococcus, E. coli The leading causative agents of chronic bacterial urethritis were mostly sensitive to Ofloxacinum, Ceftriaxon, Doxycycline and Ciprofloxacin.

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**ДОСЛІДЖЕННЯ АНТИМІКРОБНОЇ АКТИВНОСТІ ТАБЛЕТОВАНИХ
АНТИСЕПТИЧНИХ ПРЕПАРАТІВ**

Жорняк О. І.

ANTIMICROBIAL ACTIVITY INVESTIGATION OF ANTISEPTIC TABLETS

Zhorneyak O. I.

Antimicrobial activity of antiseptic tablets results which have been obtained during experimental investigation under condition with different hydrogen ion concentration (pH) and microbial loading, have been given in this article. It has been detected domestic medicine septefril has high antimicrobial activity and differs advantageously from its similar medicine produced in other import manufactured in relation "price-quality".

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**ВИВЧЕННЯ РОСТОВИХ ВЛАСТИВОСТЕЙ ПОЖИВНИХ СЕРЕДОВИЩ ІЗ
ЗЕРНОВОЇ БАРДИ ВІДНОСНО ТЕСТ-ШТАМІВ МІКРООРГАНІЗМІВ**

Осолодченко Т.П., Волянська Н.П., Батрак О.А., Завада Н.П., Порт О.В., Рябова І.С., Штикер Л.Г., Пономаренко С.В.

**GROWS PROPERTIES OF NUTRIENT MEDIA OF GRAIN BARDA IN RESPECT
OF TEST-MICROORGANISMS**

Osolodchenko T.P., Volyanska N.P., Batrak E.A., Zavada N.P., Port E.V., Ryabova I.S., Shtiker L.G.

The works represents the research results of nutrient media from the grain barda. The inoculation of media by small amounts of microorganisms grows properties of nutrient. The establishment preservation of typical culture and morphological properties, nutrient media of grain barda for culture

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**ИЗМЕНЧИВОСТЬ ФАКТОРОВ ПАТОГЕННОСТИ ЗОЛОТИСТОГО
СТАФИЛОКОККА ПОД ВЛИЯНИЕМ УЛЬТРАФИОЛЕТА**

Кривохижая М.В., Наврулин В.О., Калиниченко Е.О., Воробьева Л.И.
VARIABILITY OF STAPHYLOCOCCUS AUREUS PATHOGENICITY FACTORS
UNDER THE INFLUENCE OF ULTRAVIOLET

Kryvohizhaya M.V., Navrulin V.O., Kalinichenko O.O., Vorob'yeva L.I.

Ultraviolet radiation is widely used for air disinfection facilities at special medical institutions. Therefore, studying the effects of UV radiation on pathogenic factors of aggression and shareware pathogenic microorganisms is important for resolving of medical and biological applied problems. Found that after exposure of UV radiation in some isolates changed pigment synthesis, production of letsitinazy and activity of plazmokoahulazy. The emergence of mutants could trouble the identification of pathogenic strains of staphylococcus and cause mistaken diagnostic conclusions.

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Історія науки

АНТРОПОЛОГИЧЕСКИЕ ИССЛЕДОВАНИЯ И.И. МЕЧНИКОВА В ИСТОРИИ
СЕКСОЛОГИИ XIX — XX ВЕКОВ (К 165-ЛЕТИЮ СО ДНЯ РОЖДЕНИЯ)

Чугунов В.В.

ANTHROPOLOGICAL STUDIES BY I.I. MECHNIKOV'S IN HISTORY OF
MEDICAL SEXOLOGY IN CENTURY XIX — XX (TO 165TH ANNIVERSARY)

Chugunov V.V.

The article reconstructs the formation of anthropological studies in medical sexology in XIX-th — XX-th century. The prominent role of I.I. Mechnikov in cognition and expansion of knowledge about realisation of the macrobiological law of the form maintenance by the behavioral displays (reactions) of man it is shown. The I.I. Mechnikov's main propositions by the proof of «disharmony» of human sexuality at all levels of its regulation at different age periods were. Analyzed the ethno-cultural, ethological, biological reasons which guided the author in his anthropological research in sexology.

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ИЛЬЯ ИЛЬИЧ МЕЧНИКОВ: БИОГРАФИЧЕСКИЕ, НАУЧНЫЕ И
ПСИХИАТРИЧЕСКИЕ АСПЕКТЫ (К 165-ЛЕТИЮ СО ДНЯ РОЖДЕНИЯ)

Петрюк П.Т., Кучма И.Ю., Резник В.И.

ILYA ILICH MECHNIKOV: BIOGRAPHIC, SCIENTIFIC AND PSYCHIATRIC
ASPECTS (TO 165-TH ANNIVERSARY)

Petriyuk P.T., Kukhma I.Yu., Reznik V.I.

On the basis of sources of the special literature new information|data| is resulted about the biographic, scientific and psychiatric aspects of vital way of professor I.I. Mechnikov – famous scientist, philosopher, domestic|home,native| zoologist, biologist, physiologist, microbiologist, immunologist and pathologist, which|what| ponderable payment brought in the scientific achievements in development of domestic|home,native| and world science. The questions of psychiatric aspect, which had certain|definite| influence on the vital and creative ways of prominent|remarkable| scientist, are lighted up.

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