

LICHKO, A.Ye.; CHISTOVICH, A.S., zaveduyushchiy.

Peculiarities of conditioned and non-conditioned protective and orientation reflexes in the dynamics of acute infection psychoses. Trudy Inst.fiziol.
1:406-412 '52. (MLA 6:8)

1. Psikhiatricheskii sektor. (Reflex) (Conditioned response)
(Psychoses)

TRAUGOTT, H.N.; CHISTOVICH, A.S., zaveduyushchiy.

Peculiarities of the higher nervous function in chronic delirium (paraphrenia). Trudy Inst.fiziol. 1:413-424 '52. (MLBA 6:8)

1. Psikhiatricheskiy sektor. (Nervous system) (Delirium)

CHISTOVICH, A.S., zaveduyushchiy.

Physiological exposition of certain speech disturbances in psychoses by means of an experiment in hypnosis. Trudy Inst.fiziol. 1:425-435 '52.

(MLBA 6:8)

1. Psikhiatricheskiy sektor.

(Speech, Disorders of) (Psychoses) (Hypnosis)

TRAUGOTT, N.N.; CHISTOVICH, A.S., zaveduyushchiy.

Effect of active therapy upon speech reactions of schizophrenics in an experiment with word associations. Trudy Inst.fiziol. 1:436-453 '52.
(MLBA 6:8)

1. Psikhiatricheskiy sektor. (Association of ideus) (Schizophrenia)

CHISTOVICH, A. S.

"Hypnotism," Nauka i zhizn', No.2, 1952

CHISTOVICH, A.S.

Certain data for pathophysiological understanding of acute infection psychoses. Zh. vysshei nerv. deiat. 2 no. 1:78-84 Jan-Feb 1952.
(CINL 23:3)

1. Institute of Physiology imeni I. P. Pavlov of the Academy of Sciences USSR.

1. CHISTOVICH, A. [S.]
2. USSR 600
4. Psychology, Physiological
7. In pavlov's footsteps, Nauka i zhizn', 19, No. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

TRAUGOTT, N. N., CHISTOVICH, A. S.

Speech, Disorders of

Attempt at physiologic understanding of speech incoherence in schizophrenia.
Nevr. i psikh., 20, no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.

2

IL'IN, I. I., CHISTOVICH, A. S.

Psychiatry

Diagnostic value of Val'dman's cup test in clinical psychiatry., *Ahur., nevr., i psikh.*
52, no. 7, 1952

Monthly List of Russian Accessions, Library of Congress November 1952 Unclassified.

GHISTOVICH, A.S.

~~SECRET~~
"Electric sleep." V.A.Giliarovskii, N.M.Liventsev; IU.E.Segal',
Z.A.Kirillova. Reviewed by A.S.Ghistovich. Zhur.vys.nerv.deiat. 4
no.6:932-933 N-D '54. (MIRA 8:7)
(SLEEP—THERAPEUTIC USE)
(GILIAROVSKII, V.A.)

EXCERPTA MEDICA Sec 8 Vol 9/8 Neurology Aug 56

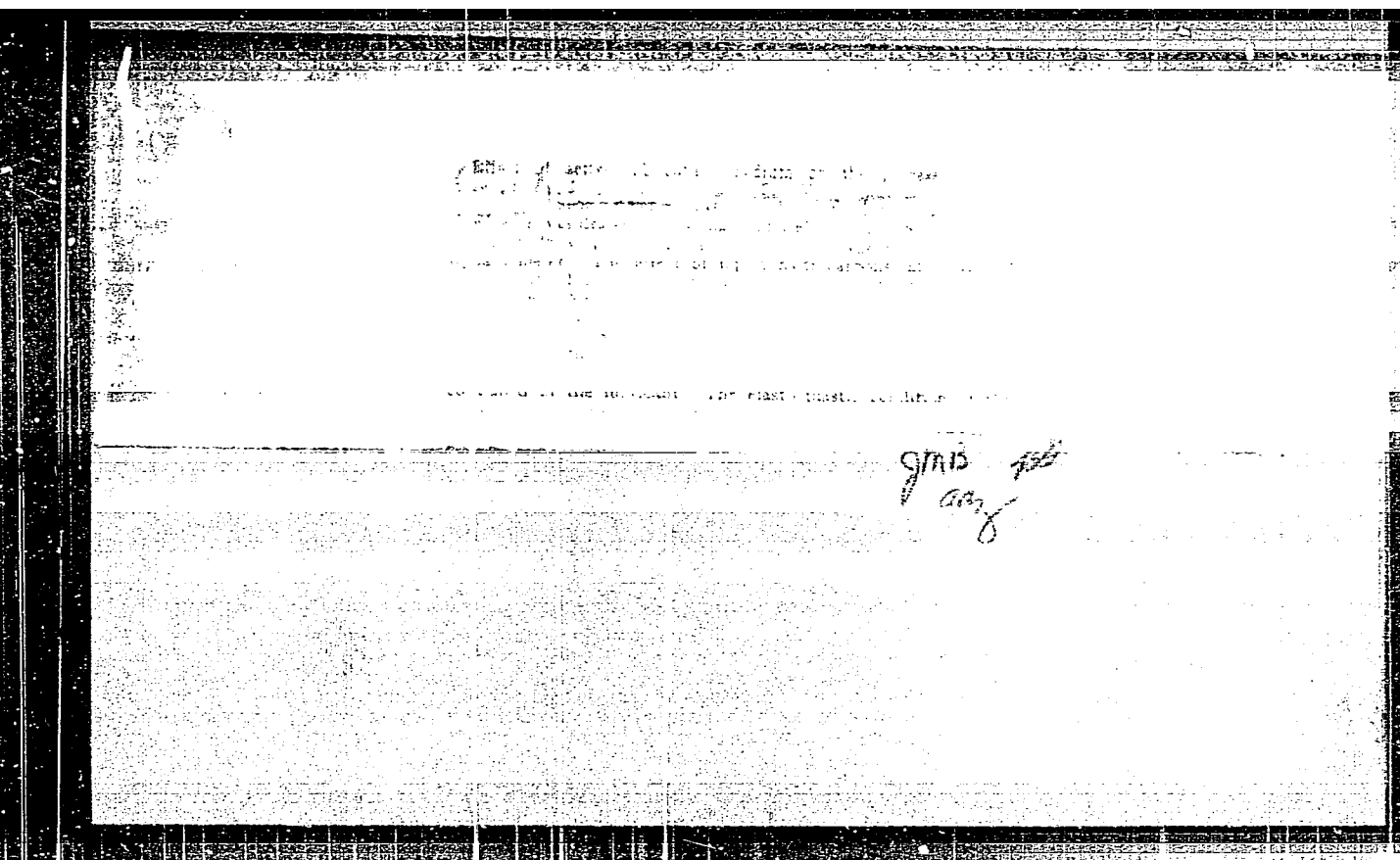
3540. CHISTOVICH A.S. *The role played by purulent infections in the causation of some psychoses (Russian text) Z. NEUROPAT. PSIKHIAT. (Mosk.) 1955, 55/11 (843-850) Tables 1
The author tried to substantiate his views on the aetiology of schizophrenia and many other psychoses. It is confessed that great difficulties arise when the aetiology of chronic psychoses based on infectious processes is to be determined. It would be preposterous to maintain that a microbe discovered in the blood of the patient is the cause of the psychosis. The author attributes much greater value to the discovery of the indications of non-specific immunity in cases of chronic infectious psychoses. Among these indications are mentioned: the phagocytic indication, the content of γ -globulins in the blood serum, and the titre of the complement. These indications vary considerably when insulin or antibiotics are administered. Schizophrenic psychoses require immunobiological investigations. Hadlik - Brno

CHISTOVICH, A.S.
DMITRIYEVA, S.A.; ZHILINSKAYA, M.A.; PETRUN'KINA, A.M.; CHEREPAKOV, P.F.;
~~CHISTOVICH, A.S.; SHREYBER, Ya.L.~~

Effect of nicotinic acid intake on the codehydrogenase content of
the blood in neuroses and some psychoses. Trudy Inst.fiziol. 5:
449-457 '56. (MIRA 10:1)

1. Laboratoriya biokhimi pitaniya i pishchevareniya, zaveduyushchaya -
A.M.Petrun'kina. Nervnaya klinika, zaveduyushchaya - N.A.Krushova,
Psikhiatricheskaya klinika, ispolnyayushchiy obyazannosti zavednyu-
shchego - N.N.Traugott. Psikhiatricheskaya klinika Voenno-morskoy
meditsinskoy akademii, zaveduyushchiy - A.S.Chistovich. Klinicheskaya
nervno-psikhiatricheskaya bol'nitsa Sverdlovskogo rayona, glavnyy
vrach - L.I.Maricheva.

(NICOTINIC ACID) (CODEHYDROGENASES)
(PSYCHOLOGY, PATHOLOGICAL)



Chistovich, A.S.

CHISTOVICH, A.S. (Leningrad)

One hundredth anniversary of the Department of Psychiatry of the
S.M.Kirov Military Medical Academy. Zhur.nevr. i psikh. 57 no.9:
1057-1059 '57. (MIRA 10:11)

(PSYCHIATRY, history,
psychiatric department of Kirov Military Med.Acad. (Rus))

CHISTOVICH, A.S. (Leningrad)

Clinical picture of psychoses in coli infection [with summary in French]. Zhur.nevr. i psikh. 57 no.9:1060-1067 '57. (MIRA 10:11)
(PSYCHOSES, etiology and pathogenesis,
E. coli infect. (Rus))
(ESCHERICHIA COLI, infectious,
causing psychoses (Rus))

CHISTOVICH, A.S.

"Impairment of interaction between the signal systems in certain pathological conditions of the brain with an acute course of development" by N.N. Traugott. Reviewed by A.S. Chistovich.
Zhur.vys.nerv.deiat. 8 no.3:466-469 My-Je '58 (MIRA 11:8)
(PSYCHOLOGY, PATHOLOGICAL)
(TRAUGOTT, N.N.)

CHISTOVICH, A.S.

Role of psychogenic factors in the rise of some psychoses with
an infectious etiology. Vop. psikh. i nevr. no.5:43-51 '59.
(MIRA 14:5)

1. Psikhiatricheskaya klinika Voenno-meditsinskoy ordena Lenina
akademii imeni S.M.Kirova.
(PSYCHOSES)

CHISTOVICH, A.S. (Leningrad)

L.A.Orbeli's approach to certain problems in psychiatry.
Zhur.vys.nerv.deiat. 9 no.3:319-327 My-Je '59. (MIRA 12:9)
(PSYCHIATRY) (BIOGRAPHIES)

CHISTOVICH, A.S. (Leningrad)

Certain aspects of the study of infectious psychoses. Zhur. nevr. i
psikh. 59 no.1:98-102 '59. (MIRA 12:3)

(PSYCHOSES, etiol. & pathogenesis,
infect. dis., review (Rus))
(COMMUNICABLE DISEASES, compl.
psychoses, review (Rus))

CHISTOVICH, A.S.

"Specialized psychiatry" [in Czech] by Zdenek Myslivecek. Reviewed
by A.S. Chistovich. Zhur. nevr. i psikh 59 no.3:369-372 '59.
(PSYCHIATRY) (MYSLIVECEK, ZDENEK) (MIRA 12:4)

CHISTOVICH, A.S.

Importance of microbiological investigations for the diagnosis and treatment of mental diseases. Trudy Gos. nauch.-issl. psikhonevr. inst. no.20:113-119 '59. (MIRA 14:1)

2. Kafedra psikhiatrii Voenno-meditsinskoy ordena Lenina akademiya im. S.M. Kirova, Leningrad. (MICROBIOLOGY) (MENTAL ILLNESS)

CHISTOVICH, A.S.

"Role of rheumatic infection in the etiology and pathogenic of
mental illness." Reviewed by A.S.Chistovich. Zhur.nevr.i psikh.
60 no.9:1229-1232 '60. (MIRA 14:1)

(RHEUMATIC FEVER)

(MENTAL ILLNESS)

CHISTOVICH, A.S.; SHVEDSKAYA, A.G.; YAMPOL'SKIY, A.L.

Study of C-reactive protein in infectious psychoses. Zhur. nerv.
i psikh. 60 no. 12:1623-1629 '60. (MIRA 14:4)

1. Kafedry psikhiatrii (zav. - prof. A.S. Chistovich) Voenno-
meditsinskoy ordena Lenina akademii imeni S.M. Kirova, Leningrad.
(GLOBULIN) (PSYCHOSES)

CHISTOVICH, A.S.

"Clinical aspects and treatment of mental illnesses with a prolonged
course by P.F.Malkin. Part 2. Reviewed by A.S.Chistovich. Zhur.nevr.
i psikh. 61 no.3:465-467 '61. (MIRA 14:7)
(MENTAL ILLNESS) (MALKIN, P.F.)

CHISTOVICH, A.S
CZISTOWICZ, A.S. [*Chistovich, A.S.*] prof.

Results of studies on infectious psychoses. Neurol neurochir psych
12 no.2:227-236 Mr-Apr '62.

1. Kierownik Kliniki Psychiatrycznej im. S.M.Kirowa, Leningrad, ul.
Sawuszkina 12.

GHISTOVICH, A.S., prof.

Diseases of the brain in the chronic form of Listeria infection.
Zhur.nerv.i psikh. 62 no.6:880-885 '62. (MIRA 15:11)

1. Otdeleniye fiziologii i patologii beremennosti (zav. - prof.
S.M.Bekker) Instituta akusherstva i ginekologii (dir. - prof.
M.A.Petrov-Maslakov) AMN SSSR i defektologicheskii fakul'tet
(dekan - kand. pedagogicheskikh nauk N.P.Beloborodova) Pedagogiche-
skogo instituta imeni Gertsena, Leningrad.
(LISTERIOSIS) (BRAIN--DISEASES)
(PREGNANCY, COMPLICATIONS OF)

CHISTOVICH, A.S.

"Reproduction of acrichine "psychosis" syndromes in animals."
Reviewed by A.S.Chistovich. Zhur.nerv.i psikh. 62 no.6:947-948
'62. (MIRA 15:11)

(PSYCHOSES) (QUINACRINE)

CHISTOVICH, A.S.

"Nervous and psychical symptoms in chronic listeriosis."

Report submitted for the Czech. Medical Congress, Medical Society of
J.E. Purkyne, Prague, Czech. 12-17 Nov 1962

CHRISTOVICH, A.S. (Leningrad)

Somatic trend in psychiatry. Trudy Gos. nauch. tsentr. psikhonevr.
inst. 29:91-102 '63. (MIRA 17:8)

CHISTOVICH, A.S.

Review of A.E. Lichko's book "Insulin comas; clinical aspects, developmental mechanisms, insulin shock treatment of psychoses." Zhur. nevr. i psikh. 63 no.4:628-630 '63.
(MIRA 17:2)

MARKOVA, Ye.N., otv. red.; AVEIBUKH, Ye.S., red.; BLINOV, N.I., red.; BONDAREV, N.I., red.; BORZUNOVA, A.S., red.; ZENEVICH, G.V., red.; MNUKHIN, S.S., red.; MYASISHCHEV, V.N., red.; PERVOMAYSKIY, B.Ya., red.; POVORINSKIY, Yu.A., red.; POLIKARPOV, S.N., red.; SIBIRKIN, N.V., red.; FEDOTOV, D.D., red.; CHISTOVICH, A.S., red.; ZACHEPITSKIY, R.A., red.

[Problems of psychiatry; anniversary collection of articles dedicated to the 60th birthday of Professor Izmail Fedorovich Sluchevskii] Problemy psikiatrii; iubileinyi sbornik, posviashchennyi 60-letiiu so dnia rozhdeniia profes-sora Izmaila Fedorovicha Sluchevskogo. Leningrad, Meditsina, 1964. 434 p. (MIRA 17:12)

CHISTOVICH, A.S.

Significance of embryopathies and fetal diseases in the
incidence of diseases in adults. Vop. psikh. nevr.
no.10:98-107 '64. (MIRA 18:12)

CHISTOVICH, A.S.

Experience in neuropsychiatric study of blind children. Zhur. nevr. i
psikh. 65 no.7:1032-1038 '65. (MIRA 18:7)

1. Leningradskiy sanitarno-gigiyenicheskiy meditsinskiy institut.

MERKULOV, Grigoriy Andreyevich, doktor; CHISTOVICH, D.N., zasl. deyatel'
nauki, prof., red.; RUSLEVA, M.S., tekhn. red.

[Course in pathohistological technique] Kurs patologogistologi-
cheskoi tekhniki. 4 izd. Leningrad, Medgiz, 1961. 339 p.
(MIRA 15:3)

(HISTOLOGY, PATHOLOGICAL)

1ST APR 1960		PROCESSING AND PROPERTIES INDEX	
CHISTOVICH, G. N.		112	
Changes taking place in nutritive media during sterilization. (G. N. Chistovich. <i>Lab. Prakt.</i> (U. S. S. R.) 16, No. 12, 2-4 (1941). The formation of acid during the incubation of microorganisms which ordinarily do not decomp. the carbohydrate used may be due either to im- purities in the carbohydrate or to the liberation, during sterilization, of hydrolytic products that can be decomp. by the microorganisms. Of several test tubes with Hiss medium (contg. 1% maltose and litmus) part were kept in the autoclave for 10 min. at 116°, and part for 25 min. at 120°. Cultures of the Shiga, Schmitts and Morgan strains of bacteria in the 1st series of test tubes did not produce appreciable quantities of acid. In the 2nd series, all strains liberated large quantities of gas, and the Mor- gan cultures produced larger amounts than in the 1st series. This may indicate that overheating the medium decomposes maltose with the formation of end products that are more easily fermented by the cultures used. Hiss medium with 1% maltose and bromothymol blue was sterilized (a) for 3 days at 100° for 1 hr. each day, (b) at 110° for 10 min., (c) at 110° for 20 min., (d) at 115° for 20 min., (e) at 120° for 10 min., (f) at 120° for 20 min. All media after sterilization were kept at pH 7.0-7.2. Each series was inoculated with Shiga (4 strains), Schmitts (1 strain), Hiss (4 strains), Morgan (3 strains), <i>B. fallax</i> Weinstein (1 strain), <i>B. incrustans</i> (3 strains) and "Rappoport varieties" (4 strains). The inoculations were kept for 4 days at 37°. All these cul- tures, which normally do not decomp. maltose, formed acid in overheated media. The Morgan strains and the "Rappoport varieties" resulted also in the formation of gas. The intensity in the change of the indicator was the greater the more overheated was the medium. The bio- chemically weakly active strains (Shiga) and those pos- sessing peptolytic properties (<i>B. incrustans</i>) formed base after an initial formation of acid. Expts. with a large no. of cultures which normally decomp. maltose indicated that the presence of 0.3% of maltose in the culture re- sulted in an unrestricted formation of acid and in the liberation of gas. It is concluded that in order to obtain accurate results in studies of the fermentative properties of microorganisms it is necessary to use media with small quantities of the carbohydrates studied (0.3%). The media must be checked after sterilization for the appear- ance of nonsp. fermentation. Five references. W. R. Henn			
100-111 DETAILING LITERATURE CLASSIFICATION 100-111 DETAILING LITERATURE CLASSIFICATION			

CHISTOVICH, G. N.

Chair of Infectious Diseases, S. M. Kirova Acad. of Mil. Med. Red Army, (-1944-).

"Etiology and Epidemiology of Hepatitis Epidemica,"

Zhur. Mikrobiol., Epidemiol., i Immunobiol., Nos. 7-8, 1944.

PA4OT31

USSR/Medicine - Bacteria - Culture
Medicine - Soil Bacteria

Nov 1946

"Bacteria Which Form Mobile Colonies," G. N. Chis-
tovich, Dept of Microbiology, First Pavlov Medical
Institute, Leningrad, 5 pp

"Mikrobiologiya" Vol XV, No 5

From soils of USSR, 186 cultures of microbes similar
to Bac. rotans and Bac. migrans Rozhdavensky and
Medvinskaya, which form mobile colonies on agar sur-
face, were isolated. Both mobile colonies, limited by
progressive or rotary motion, and immobile limited by
colonies can be obtained from the same culture of the
varying conditions of cultivation. Results of the

4OT31

12
USSR/Medicine - Bacteria - Culture (Contd) Nov 1946

staining of these microbes are not constant and de-
colorization; the fermenting structure
and on time of decolorization. Antigenic structure
abilities of some are variable. Also different
of cultures of different origin is also different.
The differential characteristics between the two
types seem insufficient for classifying them sepa-
rately; it is probable that they are variants of
the same species.

12

4OT31

CHISTOVICH, G. N.

CHISTOVICH, G. N.

CB

Mechanism of action of bacterial toxins. G. N. Chistovich. *Uspehi Sovetskoi Biol.* 31, 101-7(1951).—A review with 43 references. Julian F. Smith.

1951

G. N.
CHISTOVICH, G. N.

PA 241T28

USSR/Medicine - Bacteria Adaptation

Jan 53

"The Problem of the Influence of Conditions of Existence on the Biology of Staphylococci," G. M. Chistovich, Mil Med Acad Imeni S. M. Kirov

"Zhur Mikrobiol, Epidemiol, i Immunobiol" No 1, p 81

Studied 1009 strains of pathogenic and non-pathogenic staphylococci: 444 strains isolated from pus and 565 from mucous membranes of the eyes, nose, and mouth, as well as from saliva and sputum. Found that pathogenic strains from pus develop hyaluronidase and lecithinase more frequently than the others; that non-pathogenic strains from pus form pigment,

241T28

coagulate plasma, ferment mannitol, and develop hyaluronidase, fibrolysin, and lecithinase more often than strains isolated from the surface of the body; that saprophytic strains produce hemolysis more frequently than pathogenic strains.

241T28

CHISTOVICH, G.N.; GORODYSKAYA, E.A.; KOHNILORA, N.M.; MOISEYVA, N.I.;
POLOKOVA, T.V.; TERENT'YEVA, T.A.; SHOSHINA, S.V.

Man as carrier of pathogenic staphylococci; author's abstract.
Zmr.mikrobiol.epid.i immun. no.11:55-56 N '53. (MLRA 7:1)
(Staphylococcus) (Contagion and contagious diseases)

CHISTOVICH, G.N.; BLYUMENFEL'D, O.M.; GORODEL'SKAYA, E.A.; PETUKHOVA, R.N.;
POLOZOVA, T.V.; TEBENT'YEVA, T.A.; SHILOVA, N.V.; SHOSHICHA, S.V.

Individual properties of staphylococcus cultures. Zhur.mikrobiol.
epid.i immun. no.7:101 J1 '54. (MLRA 7:9)

1. Iz kafedry mikrobiologii I Leningradskogo meditsinskogo instituta
im. Pavlova.
(STAPHYLOCOCCUS)

Abstract U-7920, 8 Mar 56

CHISTOVICH, G. N.
USSR/Medicine - Influenza

FD-1648

Card 1/1 : Pub. 148-28/28

Author : Chistovich, G. N.

Title : Review of L. Y. Zakstel'skaya's book, "The Toxicity of the Virus of Influenza", Publishing House of the Academy of Medical Sciences USSR, Moscow, 1953.

Periodical : Zhur. mikro. epid. i immun. 7, 113-114, Jul 1954

Abstract : A summary review of the book is given. The author's work on the toxic properties of the virus itself and the emergence of immunity to both infection and toxic effects after injections of small amounts of immune serum is described. This book is a re-worked version of the author's Candidate dissertation which she defended in 1950 at the Institute of Virology, Academy of Medical Sciences USSR.

Institution : --

Submitted : --

CHISTOVICH, G. N.

Chistovich, G. N. - "The Biological Characteristics of Staphylococci and Their Connection with the Living Conditions of These Microbes." Acad Med Sci. Inst of Experimental Medicine. Leningrad, 1955 (Dissertation for the Degree of Doctor in Medical Sciences).

So: Knizhnaya Letopis', No. 10, 1956, pp 116-127

CHISTOVICH, G. N.
EXCERPTA MEDICA Sec 7 Vol 10/11 Pediatrics Nov 56

3446. CHISTOVICH, G. N. - The carriership of pathogenic M. pyogenes in the intestines of infants and their importance in dysentery (Russian text) PEDIATRIJA 1955, 2 (20-24) Tables 4

In analogy with wound-infection it is assumed that the presence of M. pyogenes in the intestines may not be indifferent in persons with dysentery. Therefore, stool cultures of a total of 770 healthy children and adults and of children and adults suffering of dysentery were examined, part of them 2-4 times. In healthy persons especially in children pathogenic M. pyogenes were more often found than was formerly suspected - of 121 individuals 0-3 yr. of age, 32; of 167 older than 4 yr., 8; in dysenteric cases in the group 0-3 yr. old of 357, 155; of 125 older than 4 yr., 40. In sick persons with repeated cultures the number of positives increased while in healthy persons there was little change. The number of colonies was also usually higher in the sick than in the healthy and the number of positive cultures highest in blood mucous stools, less in semi-formed and smallest in formed stools.

Najman - Zagreb (IV, 7)

CHISTOVICH, G.N.

CHISTOVICH, G.N.; BOCHAGOVA, D.I.; SAVEL'VOL'F, G.B.

Production and some properties of the pertussis endotoxin.
Zhur.mikrobiol.epid. i immun. no.9:40-46 S '55 (MLBA 8:11)

1. Iz otdela mikrobiologii (sav.---prof. V.I.Ioffe) Instituta
eksperimental'noy meditsiny ANS SSSR.
(HEMOPHILUS PERTUSSIS, immunology,
endotoxin, prep.)

USSR/Medicine - Pertussis

FD-3322

Chistovich, G. N.
Card 1/1 Pub. 148-18/24

Author : Chistovich, G. N.; Bochagova, D. I.; and Savel'vol'f, G. B.

Title : Data on the characteristics of the immunogenic properties of pertussis endotoxin

Periodical : Zhur. mikro. epid. i immun. 10, 78-82, Oct 1955

Abstract : On the basis of experiments on white mice and rats it was determined that unpurified pertussis endotoxin possesses immunogenic properties both in its natural state and after deactivation with 0.4 percent formalin. Combined immunization of rats with "boiled" [inactivated by boiling] vaccine and unpurified endotoxin affords the animals stable immunity against parenterally administered live pertussis cultures or endotoxin, even when the dose is several times the normal LD₅₀. Neither the boiled vaccine nor the endotoxin, anapreparation, has this effect when used alone. Combined immunization of mice protected them against air-borne infection with H. pertussis. The results of the experiments are presented on two charts. Four Soviet references are cited.

Institution : Division of Microbiology (Head-Prof V..I. Ioffe), Institute of Experimental Medicine, Academy of Medical Sciences USSR

Submitted : May 7, 1955

CHISTOVICH, G.N.

Diffusion analysis of antigens and antibodies. Report no.2:
Data for evaluating the sensitivity and specificity of
counterdiffusion. Zhur.mikrobiol.epid. i immun. no.11:56-62
N '55. (MLRA 9:1)

1. Iz otdela mikrobiologii (zav.-prof. V.I.Ioffe) Instituta
eksperimental'noy meditsiny AMN SSSR.
(ANTIGENS AND ANTIBODIES,
diffusion analysis)

Name: CHISTOVICH, Georgiy Nikolayevich

Dissertation: Biological characteristics of
staffylococci and their connection
with the habitat conditions of the
microbes

Degree: Doc Med Sci

Affiliation: /Not indicated/

Defense Date, Place: 29 Mar 56, Council of Inst of Experi-
mental Medicine, Acad Med Sci USSR

Certification Date: 16 Mar 57

Source: BMVO 13/57

USSR/Microbiology - Microorganisms Pathogenic to
Humans and Animals

F-3

Abs Jour: Ref Zhur - Biol, No 18, 1958, 81479

Author : Chistovich, G.N.

Inst : -

Title : Experimental Diffusional Analysis of Antigens
and Antibodies. Report 2. The Complex Composi-
tion of Microbial Toxins and Antitoxic Sera.

Orig Pub: Zh. mikrobiol., epidemiol. i immunobiologii,
1956, No. 2, 57-61

Abstract: The antigenic composition of numerous microbial
toxins was studied by diffusional precipitation
reaction with rabbit antisera in test tubes by
the method of Ckli and Fultorp. In studying the
native scarlatinalstreptococcus toxin 12 zones

Card 1/3

25

USSR/Microbiology - Microorganisms Pathogenic to
Humans and Animals

F-3

Abs Jour: Ref Zhur - Biol., No 18, 1958, 81479

of precipitation (ZP) were found. Staphylococci toxins formed 1-10 ZP. Staphylococcus antiphagin (sic) contained no less than 3 antigens, and an aqueous extract of microbial powder no less than 2 antigens. Whooping cough endotoxin formed 6 ZP in a reaction with antimicrobial, 5 ZP with antiendotoxic, and 3 with antitoxin sera. Purified tetanus and diphtheria anatoxins formed a maximum of 7 ZP in a reaction with equine antisera. Denaturation by heat or formalin of staphylococcus toxins and whooping cough endotoxin resulted in a decreased number of ZP, and formalinization and heating led to disappearance of various ZP's. By diffusional precipitation in cups by the Oukhterloni method the presence of one or 2 common antigens in toxins of different staphylococci strains was

Card 2/3

CHISTOVICH, G. N.

USSR / Microbiology. Microbes Pathogenic for Man and
Animals. Bacteria. Hemophilus Bacteria.

F

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24069

Author : Chistovich, G. N.; Savel'vol'f, G. B.
Inst : Institute of Experimental Medicine, AMN SSSR
Title : On Immunological Identity of the So-Called
"Toxin-Rinses" and "Thermolabine Endotoxins"
of Hemophilus Pertussis

Orig Pub : Yezhegodnik. In-t eksperim. med. AMN SSSR,
1956, T.2 (M), 1957, 393-395

Abstract : In the experiments on the neutralization of
whooping cough toxin (T), various antisera
(A) were studied, obtained by means of
immunizing rats and rabbits with various
whooping cough antigens. A was mixed with T
and was introduced into the peritoneal cavity

Card 1/3

USSR / Microbiology. Microbes Pathogenic for Man and
Animals. Bacteria. Hemophilus Bacteria.

F

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24069

of mice. A to live whooping cough microbes of I and IV phases, as well as A against cultures boiled and treated with formalin and whooping cough hemagglutinin, were deprived of the neutralizing action along with A to stable whooping cough antigens, obtained according to the methods of Topli, Buavena and Westphal. Expressed crossed reactions of neutralization were obtained from A of the rabbit against "toxin-rinses", prepared according to the method of Trushina, and against "endotoxins" of Teyssye. Similar results were obtained in the introduction of the mixture of these A with T to rats intracutaneously, after first keeping it in the

Card 2/3

USSR/Microbiology - Microorganisms Pathogenic to
Humans and Animals

F-3

Abs Jour: Ref Zhur - Biol., No 18, 1958, 81480

Author : Chistovich, G.N.

Inst : -

Title : Experimental Diffusional Analysis of Antigens
and Antibodies. Report 3. Study of Whooping
Cough Bacillus Antigens.

Orig Pub: Zh. mikrobiol., epidemiol. i immunobiologii,
1956, No. 4, 17-22

Abstract: The diffusional precipitation reaction on agar
was conducted by the Okli and Fultorp method
(J. Pathol. Bact., 1953, 65, 49) using rabbit
immune sera. The study was conducted on freshly
prepared suspensions of whooping cough bacteria,
partially autolyzed, whooping cough endotoxins

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Abs Jour: Ref Zhur - Biol., No 18, 1958, 81480

prepared by the Teyssye method, preparations of whooping cough coctovaccine (Joffe method), crude whooping cough hemagglutinin (Ivanova method), and whooping cough agglutinin (Smolens and Madd method). It was shown that live cultures of whooping cough bacilli of Phase I contain at least 6 antigens, whooping cough endotoxins 5-6 antigens, formalinized endotoxins, boiled vaccines and crude hemagglutinin -- 4 antigens, agglutinin - 2 antigens. The author believes that in the living culture the true number of antigens is greater than shown in the current experiments. When endotoxins obtained from an old stock culture and from a freshly isolated strain of Phase I were investigated, it was shown that

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Abs Jour: Ref Zhur - Biol., No 18, 1958, 81480

the latter contained more antigens than the endotoxin from the old stock culture. In the author's experiments "the combined whooping cough antigen" suggested by Palant for immunizing humans formed 4 zones of precipitation in a reaction with antibacterial sera, but 5 zones with antitoxic ones, which confirms its polyantigenic composition. In diffusionsl precipitation reaction of this preparation with heterologic equine sera (antitetanus, antidiphtheric), up to 4 zones of precipitation were formed, which indicates the presence in "combined antigen" of a certain number of non-specific antigens. In experiments by the Oukhterloni method a common antigen was shown to be present in a live whooping cough culture, a boiled vaccine, and in crude preparations of

Card 3/4

CHISTOVICH, G.N.

Possibility of using the frog test in the diagnosis of staphylococcal poisoning. Zhur.mikrobiol.epid. i immun. 28 no.1:29-31 Ja '57.
(MIRA 10:3)

1. Iz Instituta eksperimental'noy meditsiny AMN SSSR.

(MICROCOCCAL INFECTIONS, diagnosis,

frog enterokinase test (Rus))

(PROTEASES, determination,

enterokinase, frog test in diag. of micrococcal
infect. (Rus))

KASHKIN, Pavel Nikolayevich, prof., zaslushennyy deyatel' nauki, laureat
Stalinskoy premii; CHISTOVICH, G.N., red.; HOLEVA, M.S., tekhn.red.

[Microbiology] Mikrobiologiya. Izd. 3., perer. Gos. izd-vo med.
lit-ry, Leningr. otd-nie, 1958. 345 p. (MIRA 12:2)
(MICROBIOLOGY)

CHISTOVICH, G. N.; OSIPOVA, P. V.

"Toxic antigen of B. pertussis."

Report submitted at the 13th All-Union Congress of Hygienists,
Epidemiologists and Infectionists, 1959

CHISTOVICH, G. N.

KHARAUZOV, N.A., prof., glavnyy red.; MIKHAYLOV, V.P., prof., zamestitel' glavnogo red.; BIRYUKOV, D.A., prof., otv.red.; AVETIKYAN, B.G., doktor biol.nauk, red.; ANICHKOV, N.N., akademik, red.; ANICHKOV, S.V., prof., red.; ARBUZOV, S.Ya., prof., red.; VESELKIN, P.N., prof., red.; VOYNO-YASENETSKIY, M.V., prof., red.; DANILOV, I.V., kand.biol.nauk, red.; ZHABOTINSKIY, Yu.M., prof., red.; ZHINKIN, L.N., prof., red.; IL'IN, V.S., red.; IOFFE, V.I., prof., red.; KARASIK, V.M., prof., red.; KUPALOV, P.S., prof., red.; MANINA, A.A., kand.med.nauk, red.; NEYFAKH, S.A., doktor biol.nauk, red.; RIKKL', A.V., prof., red.; SVETLOV, P.G., prof., red.; SMORODINTSEV, A.A., prof., red.; CHISTOVICH, G.N., doktor med.nauk, red.; BESEDIN, I.K., tekhn. red.

[Yearbook of the Institute of Experimental Medicine of the Academy of Medical Sciences of the U.S.S.R. for 1958] Ezhegodnik za 1958 god. Leningrad, 1959. 538 p. (MIRA 14:1)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut eksperimental'noy meditsiny. 2. Chleny-korrespondenty Akademii meditsinskikh nauk SSSR (for Biryukov, Veselkin, Il'in, Ioffe, Karasik, Svetlov, Smorodintsev). 3. Deystvitel'nyye chleny Akademii meditsinskikh nauk SSSR (for Anichkov, S.V., Kupalov). (MEDICINE, EXPERIMENTAL)

CHISTOVICH, G.N.

Some problems in phage typing of staphylococci. Report No. 1:
Method of obtaining a set of local strains of staphylophages and
its use for typing strains of different origins. Zhur. mikrobiol.
epid. i immun. 31 no. 10:33-39 0 '60. (MIRA 13:12)

1. Iz Instituta eksperimental'noy meditsiny AMN SSSR.
(BACTERIOPHAGE) (STAPHYLOCOCCUS)

CHISTOVICH, Georgiy Nikolayevich; ANATOLY, S.A., red.; KHARASH, G.A.,
tekhn. red.

[Pathogenesis of staphylococcal infections; microbiological,
pathological, and immunological aspects] Patogenez stafilo-
kokkovoï infektsii; mikrobiologicheskie, obshchepatologiches-
kie i immunologicheskie aspekty. Leningrad, Medgiz, 1961.
215 p. (MIRA 15:3)

(STAPHYLOCOCCAL INFECTIONS)

CHISTOVICH, G.N.

N. IA. Chistovich, head of the first Russian department of general studies on infectious diseases and bacteriology (1860-1926). Zhur. mikrobiol. epid. i immun. 32 no.7:143-146 Je '61. (MIRA 15:5)
(CHISTOVICH, NIKOLAI IAKOVLEVICH, 1860-1926)

CHISTOVICH, G. N., doktor med. nauk; RIVLIN, M. I.

Study of the role of exogenous infection in the development of
staphylo dermatitis. Vest. dermat. i ven. 36 no. 7: 32-34 J1 '62.
(MIRA 15:7)

1. Iz kozhno-venerologicheskogo dispansera No. 18 Leningrada
(glavnyy vrach N. A. Yershova) i otdela mikrobiologii (zav. -
chlen-korrespondent AMN SSSR V. I. Ioffe) Instituta eksperimental'-
noy meditsiny AMN SSSR (dir. - chlen-korrespondent AMN SSSR
D. A. Biryukov).

(STAPHYLOCOCCAL DISEASE) (SKIN_DISEASES)

GHISTOVICH, G.N.

Relations between the resistance of pathogenic staphylococci to antibiotics, their virulence and phage type. Antibiotiki 8 no.1:64-67 Ja'63. (MIRA 16:6)

1. Kafedra mikrobiologii Leningradskogo sanitarno-gigiyenicheskogo ~~meditsinskogo~~ instituta.
(STAPHYLOCOCCUS) (ANTIBIOTICS) (BACTERIOPHAGE)

IVANOV, A.Ya., prof., otv.red.; AGRANOVSKIY, Z.M., prof., red.;
 ANDREYEVA-GALANINA, Ye.TS., prof., red.; ANICHKOV, S.V., prof.,
 red.; BABAYANTS, R.A., prof., red.; BASHENIN, V.A., prof., red.;
 GUTKIN, A.Ya., prof., red.; KAMYSHANOV, A.F., dotsent, red.;
 KLIONSKIY, Ye.Ye., prof., red.; RYSS, S.M., prof., red.;
 SMIRNOV, A.V., prof., zasluzhennyy deyatel' nauki, red.;
 TIKHOMIROV, P.Ye., prof., red.; CHISTOVICH, G.N., prof., red.

[New informative material on the methodology for sanitation of
 the environment, and the prevention, diagnosis and treatment of
 some diseases; results of research at the Leningrad Medical
 Institute of Sanitation and Hygiene to assist in the practice of
 public health] Novye informatsionnye material po metodike ozdorovleniia
 vneshnei sredy, preduprezhdeniiu, diagnostike i lecheniiu nekotorykh
 zabolevanii; rezul'taty nauchnykh issledovani LSGMI v pomoshch'
 praktike zdoravookhraneniia. Leningrad, 1961. 105 p. (Leningrad.
 Sanitarno-gigienicheskii meditsinskii institut. Trudy, vol.73).

(MIRA 17:3)

1. Deystvitel'nyy chlen AMN SSSR (for Anichkov). 2. Chleny-
 korrespondenty AMN SSSR (for Babayants, Ryss).

SPIVAK, M.Ya.; ARGUDAYEVA, N.A.; NABIYEV, E.G.; CHISTOVICH, G.N.;
RIVLIN, M.I.; SEMENOV, M.Ya.; KRUGLIKOV, V.M.; SHAL'NEVA, A.M.;
TITROVA, A.I.; RAYKIS, B.N.; MILYAYEVA, Ye.N.; BRUDNAYA, E.I.;
GODINA, I.F.; VOL'FSON, G.I.; SOSONKO, S.M.; KOLESINSKAYA, L.A.;
VYSOTSKIY, B.V.; MALYKH, F.S.; MIROTVORTSEV, Yu.I.; SYCHEVSKIY,
P.T.; GOPACHENKO, I.M.; KARPITSKAYA, V.M.; FETISOVA, I.A.;
MARTYNYUK, Yu.V.; BMDINA, I.A.

Annotations. Zhur. mikrobiol., epid. i immun. 40 no.3:128-131
Mr '63. (MIRA 17:2)

1. Iz Kemerovskogo meditsinskogo instituta i Kemerovskoy
klinicheskoy bol'nitsy No.3 (for Spivak, Argudayeva). 2. Iz
Kazanskogo instituta usovershenstvovaniya vrachey imeni
Lenina (for Nabiyeu). 3. Iz Leningradskogo kozhnogo dispansera
No. 1 (for Chistovich, Rivlin). 4. Iz Rostovskoy oblastnoy
sanitarno-epidemiologicheskoy stantsii (for Semenov). 5. Iz
Stavropol'skogo instituta vaktsin i syvorotok (for Kruglikov,
Shal'neva, Titrova, Raykis). 6. Iz Kuybyshevskogo instituta
epidemiologii, mikrobiologii i gigiyeny i Tsentral'nogo insti-
tuta usovershenstvovaniya vrachey (for Milyayeva). 7. Iz
Vsesoyuznogo nauchno-issledovatel'skogo instituta zhelezn-
dorezhnoy gigiyeny Glavnogo sanitarnogo upravleniya Minis-
terstva putey soobshcheniya i Detskoy polikliniki st. Lyublino

(Continued on next card)

CHISTOVICH, G.N.

Experimental study of concomitant whooping cough and staphylococcal infections of the lungs. Zhur. mikrobiol., epid. i immun. 40 no.4: 6-10 Ap '63. (MIRA 17:5)

1. Iz Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta i Instituta eksperimental'noy meditsiny AMN SSSR.

CHISTOVICHESDALINA G. V.

USSR/Medicine - Osteomyelitis
Medicine - Penicillin

JUL/AUG 48

"Problem of Treating Acute Hematogenic Osteomyelitis
in Children With Penicillin," G. V. Chistovich-
Teimbalina, Chair of Surg on Children, Leningrad
Pediatrics Inst, 4 pp

"Vest Khirurgii" Vol LXVIII, No 4

Summarizes own experience. Concludes that penicillin
is effective against acute hematogenic osteomyelitis.
It lowers mortality rate and transition to chronic
forms, and shortens period of illness. Treatment
should commence early, with large doses, and should
continue even after temperature has fallen. Also
21/49783

USSR/Medicine - Osteomyelitis (Contd) JUL/AUG 48
recommends surgical methods (dissection up to and
including periosteum), and sulfamide therapy.

21/49783

~~CHISTOVICH, G.V.~~ kandidat meditsinskikh nauk (Leningrad, 9, ul. Smirnova,
d.10-a, kv.6)

Intestinal obstruction caused by acute diverticulitis. Vest.khir.
77 no.10:100-103 0 '56. (MIRA 9:12)

1. Iz kafedry khirurgii detskogo vozrasta (zav. - prof. A.V.Shatskiy)
Leningradskogo pediatricheskogo meditsinskogo instituta.
(DIVERGICULITIS, compl.
intestinal obstruct.)
(INTESTINAL OBSTRUCTION, etiol. and pathogen.
diverticulitis)

GHISTOVICH, G.V.

Aleksandr Vladislavovich Shatskii; an obituary. Vest.khir. 80 no.1:
155-156 Ja '58. (MIRA 11:4)
(SHATSKII, ALEKSANDR VLADISLAVOVICH, 1890-1957)

CHISTOVICH, G.V. (Leningrad, ul. Smirnova, d. 10-a, kv.6)

Malignant tumors of the abdominal cavity in children. Vest.khir.
83 no.12:59-65 D '59. (MIRA 13:5)

1. Iz kliniki khirurgii detskogo vozrasta Leningradskogo pediatriche-
skogo meditsinskogo instituta (dir. - prof. N.T. Shuteva).
(ABDOMEN--CANCER)

AVIDON, D.B., kand.med.nauk; BAIROV, G.A., kand.med.nauk; BUTIKOVA, N.I., dotsent, kand.med.nauk; BOYKOV, G.A., kand.med.nauk; VERESHCHAGINA, L.N., kand.med.nauk; GONCHAROVA, M.N., prof., doktor med.nauk; ZHOLOBOV, L.K., vrach; ZEMSKAYA, A.G., kand.med.nauk; KAYSAR'YANTS, G.A., dotsent, kand.med.nauk; KOLESOV, A.P., doktor med.nauk; KONDRAT'YEV, A.P., kand.med.nauk; KORCHANOV, G.I., kand.med.nauk; KUTUSHEV, F.Kh., kand.med.nauk; LEVINA, O.Ya., kand.med.nauk; LYANDRES, Z.A., prof., doktor med.nauk; MOROZOVA, T.I., kand.med.nauk; MIRZOYEVA, I.I., kand.med.nauk; PANUSHKIN, V.S., kand.med.nauk; RASTORGUTEV, A.V., vrach; RUDAKOVA, T.A., kand.med.nauk; SAVITSKAYA, Ye.V., kand.med.nauk; SVISTUNOV, N.I., vrach; CHISTOVICH, G.V., kand.med.nauk; YAKOVLEVA, T.S., vrach; MARGORIN, Yevgeniy Mikhaylovich, prof., red.; DOLETSKIY, S.Ya., red.; VERESHCHAGINA, L.N., red.; RULEVA, M.S., tekhn.red.

[Operative surgery on children] Operativnaya khirurgiya detskogo vozrasta. Leningrad, Gos.isd-vo med.lit-ry Medgiz, Leningr.otd-nie, 1960. 475 p. (CHILDREN--SURGERY) (MIRA 13:12)

CHISTOVICH, G.V.

Lymphosarcoma of the peritoneal cavity in children. Vop.onk.
6 no.1:108-114 '60. (MIRA 13:10)
(PERITONEUM—TUMORS) (LYMPHOSARCOMA)

MINTS, M.M., starshiy nauchnyy sotrudnik (Leningrad, Kirovskiy pr., 26/28, kv.93); CHISTOVICH, G.V., kand.med.nauk

Problem of therapy of malignant tumors of the kidneys in children.
Vest. rent. i rad. 35 no. 6:45-50 N-D '60. (MIRA 14:2)

1. Iz kliniki khirurgii detakogo vozrasta (zav. - doktor med.nauk S.Ya.Doletskiy) i kafedry rentgenologii i radiologii (zav. - prof. Ya.L.Shik) Leningradskogo pediatricheskogo meditsinskogo instituta (direktor - prof. N.T. Shutova).
(KIDNEYS—CANCER)

CHISTOVICH, G.V., kand.med.nauk; NEVOLIN-LOPATIN, M.I.

Treatment of lymphangiomas in children. Vest.khir. 86 no.3 72-76
Mr '61. (MIRA 1483)

1. Iz kafedry khirurgii detskogo vozrasta (zav. - doktor med.nauk
S.Ya. Doletskiy) Leningradskogo pediatricheskogo meditsinskogo
instituta.

(LYMPHATICS---TUMORS)

GHISTOVICH, G.V., kand.med.nauk

Malignant tumors of the kidneys in children. *Pediatrics* no.10:
32-36 '61. (MIRA 14:9)

1. Iz kafedry khirurgii detskogo vozrasta (zav. - doktor med.nauk
S.Ya. Doletskiy) Leningradskogo pediatricheskogo meditsinskogo
instituta (dir. - prof. N.T. Shutova).
(KIDNEYS—CANCER)

CHISTOVICH, G.V.

Diagnosis of malignant abdominal tumors in children. Pedia-
triia 42 no.3:34-38 Mr '63 (MIRA 17:2)

1. Iz kliniki khirurgii detskogo vozrasta (zav. - prof. G.A.
Bairov) Leningradskogo meditsinskogo pediatricheskogo instituta

TA 151T71

USSR/Medicine - Reflexes, Conditioned Sep/Oct 49
Stimuli, Sound

"Production of Conditioned Galvanic Cutaneous Reflexes by Imperceptible Sound Stimuli," I. A. Chistovich, Lab of Physiol of Sense Organs, Physiol Inst Imeni Acad I. P. Pavlov, Acad Sci USSR 134 pp

"Iz Ak Nauk SSSR, Ser Biol" No 5

From results of experiments on ten healthy persons, described and tabulated for 4 days, concluded: Combination of sound stimuli, 5 to 10 db less intense than threshold perception, with electrical stimuli tended to form temporary nervous 151T71

USSR/Medicine - Reflexes, Conditioned Sep/Oct 49
(Contd)

connections. Increase in cutaneous galvanic reflexes (KGR) by perceptible sound stimuli and production of KGR by imperceptible stimuli provided an index for emergence of a temporary connection. Above increase in KGR frequency was clearly defined after five to seven combinations. Maximum KGR frequency was reached, on an average, after 23 combinations. A subsensory region, in which conditional reaction was feasible, emerged beyond the limits of daily threshold variations. Submitted by Acad I. A. Orbeli 27 Jun 49.

151T71

CHISTOVICH I. A.

KLAAS, Yu.A.; CHISTOVICH, L.A.

Effect of imperceptible sound stimulations in binaural correlation.
Probl.fiziol.akust., Moskva Vol.2:37-50 1950. (CLML 20:5)

1. Laboratory of the Physiology of Sense Organs, Physiological Institute imeni Academician I.P.Pavlov of the Academy of Sciences USSR.

CHISTOVICH, L.A.

MARUSEVA, A.M.; CHISTOVICH, L.A.

Modification of auditory analyzer function in man following verbal
action applied during experimental studies of the sensory organs.
Zhur.vys.nerv. delat. 4 no.4:465-473 J1-Ag '54. (MIRA 8:3)

1. Institut fiziologii im. I.P.Pavlova Akademii nauk SSSR.
(HEARING, physiology,
eff. of verbal stimulus on auditory analyzer during
experimentation on sensory organs in man)

Chistovich, L.A.

112-2-4812

TRANSLATION FROM: Referativnyy zhurnal, Elektrotehnika, 1957,
Nr 2, p. 335 (USSR)

AUTHOR: Chistovich, L.A.

TITLE: Distinguishing Complex Sound Signals. Report Nr 1.
Change in the Perception of Complex Sounds With Change
in the Relation Between the Intensity Levels of Their
Spectral Components (O razlichenii slozhnykh zvukovykh
signalov. Soobshch. 1. Ob izmenenii vospriyatiya slozh-
nogo zvuka pri izmenenii sootnosheniy intensivnostey
yego spektral'nykh sostavlyayushchikh)

PERIODICAL: V Sb.; Probl. fiziol. akustiki. Z. Moscow-Leningrad,
Izd-vo AN SSSR, 1955, pp. 18-26

ABSTRACT: This study is devoted to research on the relationship
between the shape of the spectrum of a complex signal and its
perception. Research data on a special case of this relation-
ship are given: the dependance of changes in the perception of
sound on changes in the relation between the intensity levels
of its spectral components, recorded according to frequencies.
Three types of complex sounds were used, differing from each
other in the shape of their spectra: 1) a complex sound composed
of two groups of harmonics of the same fundamental frequency;
2) a complex sound composed of two pure tones; 3) a complex

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112-2-4812

Distinguishing Complex Sound Signals. Report Nr 1. (Cont.)

sound composed of two noise bands. The method and setup of the experiment are given. It was indicated that the law governing change in the character of responses to complex sounds when the relation between the intensity levels of its components is changing, is the same in cases where the shape of the spectrum of the interferences is different (noise bands, harmonic groups, or tones). In all cases when the intensity level of one of the sound components exceeds the intensity level of another component by more than 20 db, the subject being tested identifies the whole complex sound as the stronger component in 100 per cent of the cases. It was indicated, that for uniform perception of complex sound, the relation between the loudness of its components must be maintained. A graph is given showing the dependance on the frequency of the complementary tone of the minimum level at which the complementary tone has significance for the perception of complex sound. The similarity between this curve and the masking curve is noted. Differences between this curve and the masking curve are examined in detail, and the reason for these differences are given.

N.Ya.K.

Card 2/2

~~E~~ Chistovich, L.A.

112-2-4813

TRANSLATION FROM: Referativnyy zhurnal, Elektrotehnika, 1957,
Nr 2, p. 335 (USSR)

AUTHOR: Chistovich, L.A.

TITLE: Distinguishing Complex Sound Signals. Report Nr 2.
Perception of Complex Sound Pitch (O razlichenii slozh-
nykh zvukovykh signalov. Soobshch. 2. Vospriyatiye
vysoty slozhnogo zvuka)

PERIODICAL: V Sb.: Probl. fiziol. akustiki. Z. Moscow-Leningrad,
Izd-vo AN SSSR, 1955, pp. 27-33

ABSTRACT: The history of the problem of complex tone perception
is reviewed and several points of view are given (Fletcher,
Shouten and others). The results are given of experiments which
were carried out in two stages: 1) determination of those mini-
mum [intensity] levels of complex sounds (high tone harmonics
of 200 and 300 cps occurring in the 1500 to 3,000 cps frequency
band) at which a differential tone is formed above the threshold;
2) the determination of the complex sound pitch. The intensity
of the differential tone was determined by measuring the magni-
tude of its masking effect. As a point of departure, it was as-
sumed that high tones do not mask low tones. Consequently, the

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112-2-4813

Distinguishing Complex Sound Signals. Report Nr 2 (Cont.)

group of high harmonics used in the experiment would not of itself necessarily mask a tone of the same frequency as the fundamental frequency of these harmonics. If, indeed, this group of harmonics generated a differential tone, then this tone must mask a tone of the same frequency coming from outside. The greater the intensity of the differential tone, the greater the masking effect must be. Results of determining the magnitude of the masking effect of 200 and 200 cps tones by high harmonics of these frequencies are given. The differential tone was not detected below 40 db. For this reason the 30 db level was chosen. The complex sound pitch (the harmonic group) was determined by comparing it with a pure tone. The curves of response distribution obtained from five subjects being tested showed that the frequency at which the pure tone evoked 50 per cent of the responses "Higher" [tone] (in relation to the complex sound) coincided very closely with the fundamental frequency of the harmonic group, deviating from it not more than 6 to 10 cps either way. The question of how the presence of a fundamental frequency in a complex sound affects the possibility of estimating the pitch [of the sound] was investigated.

N.Ya.K.

Card 2/2

CHISTOVICH, L.A.

~~Change in the threshold of sound stimulus differentiation following modification of its signal significance. Fisiol. zhur. 41 no.4:485-492 J1-Ag '55.~~ (MLRA 8:10)

1. Laboratoriya fiziologii slukhovogo analizatora Instituta fiziologii im. I.P.Pavlova AN SSSR, Leningrad.

(REFLEX, CONDITIONED,

threshold of differentiation of sound stimulus after change of its signal significance)

(SOUNDS,

perception, threshold of differentiation of sound stimulus after change of its signal significance in conditioned reaction)

Chistovich, L.A.
USSR / Acoustics. Physiological Acoustics. Speech and Singing.

J-8

Abs Jour : Ref Zhur - Fizika, No 5, 1957, No 12815

Author : Chistovich, L.A.

Inst : Institute of Physiology, Academy of Sciences, USSR, Leningrad, USSR

Title : Distinguishing the Height of a Modulated Signal.

Orig Pub : Biofizika, 1956, 1, No 5, 438 - 447

Abstract : To study the mechanism of estimating the height of low sounds on the basis of their time diagram (repetition of the process), a tonal modulated signal (MS) was used, whose spectrum does not contain the modulation frequency. In preliminary experiments, by bringing a test tone with a varying phase closer to the ear of the subject,

Card : 1/4

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71187

periods and lowering of the verbal, motor and dermol -gal-
vanic limens of reactions to SS) In the second series
of tests, the subjects were warned about SI being used be-
fore SS, which will signify the rapid inclusion of sound.
The effect was the same as in the first series, only the
SI acquired signal properties immediately. In the 3-rd
series the SI was removed, but a temporary stereotype was
introduced (interval of 20-60 sec.) As a result, a time-
reflex was produced, manifesting itself in turning the
eyes towards the sound source for 1-2 minutes before
the introduction of SS and in increased sensitivity to SS.
Subsequently the use of stimuli, stereotypically prece-
ding SS or repeating SS at constant intervals leads to
the formation of a stable orientation reflex, which heigh-
tens the excitability of the sound analyser.

Card 2/2

1. *Lechnosterniya fiziologii slukhoynogo analizatora. Zaveduyushchiy*
G.V. Derzhnev. - 129 -

CHISTOVICH, L.A.

Effect of weak accessory stimulation on the function of the sound
analysor in man. Trudy Inst.fiziol. 5:339-347 '56. (MIRA 10:1)

1. Laboratoriya fiziologii slukhovogo analizatora. Zaveduyushchiy -
G.V.Gershuni.
(HEARING)

. CHISTOVICH, L.A.

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71190

Author : Chistovich, L.A.

Title : On the Comparative Characteristics of Conditioned Motor Reactions to Sound Stimuli in Man, Worked out with Verbal and Defense Reinforcements.

Orig Pub : Fiziol. Zh. SSSR, 1956, 42, No 7, 572-580

Abstract : In test-subjects the hidden Period (HD) of the motor conditioned response (CR) (lifting of the finger) at the tone of 1000 "gc" lasts with verbal reinforcement (verbal-motor method) 0.2-1.2 seconds, and with electro-dermal reinforcement (defence method of A.G. Molotkov) 0.1-0.5 seconds. HD for close tones (700-2000 gc) with verbal reinforcement lasts 0.6-2.8 seconds, in defence - 0.15-1.0 seconds. The generalization is particularly distinct in small magnitudes of HD (up to 0.25 seconds) towards a basic stimulus. In large HD (0.55 sec- 1.0 sec.) generalization may

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USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71190

be absent. With verbal reinforcements the differentiation is worked out rapidly and appears complete; with defence reinforcements, when a small HD is observed of a positive CR, the differentiation becomes difficult and may be easily destroyed. In this way, the different CR worked out in verbal and defence reinforcements, may be determined by the difference in the base magnitude of HD. After working out of CR through the complex: "light (0.3 sec.) plus sound (0.3 sec.) the exclusion of the second component does not affect the defence reactions, as the latter arise before the inclusion of sound, but inhibits the reactions, which were worked out with verbal reinforcement and which arise only after the addition of the second component of the complex. In this case the extinguishing of the CR and the production of differentiation is more rapidly achieved with the verbal-motor than with the defence reflex. With a large number of readings

Card 2/3

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USSR / Human and Animal Physiology. Nervous System, Higher Nervous T
Activity, Behavior.

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70554

Author : Chistovich, L. A.; Vortinskiy, Yo. Ya.

Inst : Not given

Title : A Method of Determining Differential Sensitivity Under
Conditions of Discrimination of a Series of Signals

Orig Pub : Biofizika, 1957, Vol 2, No 2, 142-146

Abstract : In giving the experimental subject tones in chance arrange-
ment from a previously-familiar group of signals, it was
required of the subject that he determine them (give them
the numbers by which the separate sounds had previously
been designated). The errors in signals depended on the
magnitude of fluctuation of the reproduced tones. The mean
square deviation of fluctuations was computed from the
results of the "absolute discrimination" of five tones with

Card 1/2

CHISTOVICH, L.A.

Methods of analysing sound spectrograms of vowels [with summary in English]. Biofizika 2 no.4:441-451 '57. (MLRA 10:9)

1. Institut fiziologii im. I.P.Pavlova Akademii nauk SSSR, Leningrad
(VOWELS) (SOUND)

Christovich, L.A.

CHISTOVICH, L.A.

~~Frequency characteristics of the masking effect [with summary in English]. Biofizika 2 no.6:743-755 '57.~~ (MIRA 10:12)

1. Institut fiziologii im. I.P. Pavlova AN SSSR, Leningrad.
(HEARING)

CHISTOVICH, L. A.: Doc Biol Sci (diss) --- "Temporal characteristics of hearing". Leningrad, 1958. 21 pp (Acad Sci USSR, Inst of Physiology im I. P. Pavlov), 150 copies (KL, No 5, 1959, 146)

Chistorich, L.A.

1. Following are titles and authors of some of the papers to be presented at subject Congress:

ANASTASIA, A. A., Acoustics Institute, USSR Academy of Sciences, Moscow - "Acoustic attenuation cylindrical transducer working along the axis"

ARONOV, E. E., Acoustics Institute, USSR Academy of Sciences, Moscow - "Some questions of non-linear acoustics"

BAKIN, E. A., and KURKACHEV, B. B., Laboratory for Molecular Acoustics, Moscow Oblast Institute for Pedagogics - "Sound dispersion in a liquid mixture, the components of which form a chemical compound"

CHISTORICH, L., Perlov Institute of Physiology, USSR Academy of Sciences, Leningrad - "Mutual masking of clicks following a rapid succession and their loudness discrimination"

CHERNIL, Grigori V., Perlov Institute of Physiology, USSR Academy of Sciences, Leningrad - "On the regulation of characteristics of the auditory system"

OL'KHIN, G. A., Acoustics Institute, USSR Academy of Sciences, Moscow - "On the statistical reverberation theory"

OL'KHIN, I. P., Acoustics Institute, USSR Academy of Sciences, Moscow - "Study of magnetically exact sound transformers from ferrites"

OSIPOV, A. S., Institute of Physics of the Atmosphere, USSR Academy of Sciences, Moscow - "Acoustic micrometeorology"

RUZAVIN, B. M., Laboratory for Combating Noise, Institute for Industrial Hygiene, Leningrad - "Study of the dynamic characteristics of noise measurement devices and problems of standardizing them"

RUZAVIN, B. M., Institute of Physics of the Atmosphere, USSR Academy of Sciences, Moscow - "Experimental investigation of sound scattering in the atmosphere"

RUZAVIN, V. A., and ZABOLOT, L. E., Acoustics Institute, USSR Academy of Sciences, Moscow - "Some questions of non-linear acoustics in liquids"

RUZAVIN, B. M., Laboratory for Molecular Acoustics, Moscow Oblast Institute for Pedagogics - "Sound dispersion in liquids"

Rescripts from the Program and Information Circular, reports to be submitted for the Third Intl. Congress on Acoustics, IUTP, Stuttgart, GFR, 1-8 Sep 1979.

CHISTOVICH, L.A.; IVANOVA, V.A.

Mutual masking of short auditory impulse [with summary in English].
Biofizika 4 no.2:170-180 '59. (MIRA 12:4)

1. Institut fiziologii imeni I.P. Pavlova AN SSSR, Leningrad.

(SOUNDS,

mutual masking of short auditory impulses (Rus))

GHISTOVICH, I.A.

Significance of temporary factors in estimating the loudness of complex sounds. Probl.fiziol,akust. 4:139-146 '59. (MIRA 13:5)

1. Laboratoriya fiziologii slukhevoogo analizatora Instituta fiziologii imeni I.P. Pavlova AN SSSR, Leningrad.
(HEARING)

VARSHAVSKIY, L.A.; CHISTOVICH, L.A.

Average phonemic spectra of Russian vowels. Probl.fiziol.akust.
4:181-186 '59. (MIRA 13:5)

1. Laboratoriya fiziologii slukhevoogo analizatora Instituta fizio-
logii imeni I.P. Pavlova AN SSSR, Leningrad.
(RUSSIAN LANGUAGE--PHONETICS)

KLAAS, Yu.A.; CHISTOVICH, L.A.

Perception of two complex sounds acting simultaneously on both
ears. Probl.fiziol.akust. 4:147-154 '59. (MIRA 13:5)

1. Laboratoriya fiziologii slukhovogo analizatora Instituta fizio-
logii imeni I.P. Pavlova ANSSSR, Leningrad.
(HEARING)