

HEIFLEJS, J.; MAREŠ, F.; CHVALOVSKY, V.

Organosilicon compounds. Pt. 39. Coll. Cz. Chem. 39 no. 1:1643-1653 My '65.

1. Institute for Chemical Process fundamentals of the Czechoslovak Academy of Sciences, Prague July 22, 1964.

MARES, F.

Block method as used in 1954 and 1955. p. 260 POZEMNI STAVBY. (Ministerstvo  
stavebnictvi) Praha. Vol. 3, no. 7, July 1955

SOURCE: East European Accessions List., (EEAL), Library of Congress,  
Vol. 4, No. 12, December 1956

Abstract: Procedure for lyophilization of cadaver bones; choosing young men who died in accidents, with blood groups compatible with eventual recipients; several case reports of author attest to value of such transplants, as in cases of bone tumors. 9 convincing roentgenograms.

1/1

"Effect of Different Procedures of Joining on the Consolidation of Osseous Homotransplants"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 206-215

Abstract: Experimental study on dogs with various types of operative fixation of the lyophilized bone heterotransplant. Radiographic and histologic data yielded some rather definite principals of operative procedure for optimal result, which are described; consisting primarily of need for relatively large surface of host bone left, good molding, no metallic nail fixation. 8 roentgenograms.

1/1

- 52 -

CIA-RDP86-00513R001032320016-3

MARES, F.

2

CZECHOSLOVAKIA

MARES, F; MD; MATOUSEK, M., MD; PRUSIK, K, MD.

Internal Medicine Department of the Psychiatric Hospital  
(Interni oddeleni psychiatricke lecebny), Dobrany  
(for all)

Prague, Prakticky lekar, No 1, 1963, pp 15-17

"Psychic Disorders in the Long-range Use of Anti-Asthma Cures."

Burn Studies

RUMANIA

MARES, E., Lieutenant-General, Medical Corps, Dr. and Docent in Medical Sciences, Physician Emeritus (General-locotenent medic, doctor docent in stiinte medicale, medic emerit); NESTORESCU, N., Prof. Dr., Correspondent Member at Academy Republic of Socialist Rumania (membru corespondent al Academiei Republicii Socialiste Romania), and BONA, C., Dr.

"Immunology of Burns"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 85-92

Abstract: Immunology of patients with burns; review of applicable aspects of antigen formation generally and in burns specifically; skin, liver, kidney and biochemical events in burned patients; chemical structure of antigens involved; relationship between antigens in burns and their direct toxic effect; formation of antibodies and clinical aspects. Data from authors' studies on dogs and in vitro are presented in the context of these topics.

1/1

Abstract: Discussion of first aid: extinguishing the burn itself and neutralizing the agent involved, such as naphtha or phosphorus, aseptic procedure and antibacterial treatment; prevention of shock, various precautions required in transportation to the hospital stations. Second stage of treatment centers then on more precise determination of the main lesions and sequential therapy of various aspects as required in each case.

1/1

RUMANIA

MARES, E., Lieutenant-General, Medical Corps, Dr. and Docent in Medical Sciences, Physician Emeritus (General-locotenent medic, doctor docent in stiinte medicale, medic emerit); and VAIDEANU, C., Lieutenant-Colonel, Medical Corps, (Lt.-Col. medic)

"Treatment of Shock During the Time of Transport"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 28-32

Abstract: Discussion of precautions in evacuating wounded combatants in shock; Operators, facilities and staff required to combat acute respiratory insufficiency; care of the respiratory passageway, artificial respiration, oxygen; circulation function; Fluids, electrolytes, blood; monitoring of vital functions during transportation, sedation; treatment of wounds. Automobile ambulance and specific plane or air evacuation problems are reviewed in detail.

1/1

- 47 -

Military Medicine

RUMANIA

MARES, E., Lieutenant-General, Medical Corps, Dr. and Docent in Medical Sciences, Physician Emeritus (General-locotenent medic, doctor docent in stiinte medicale, medic emerit)

"Principles of the Treatment of Shock in the Evacuation Stage"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 9-28

Abstract: A comprehensive discussion of the aims of treatment: Specific treatment (lesions, hemorrhage, cold, infections); cardiovascular; respiratory; then long-term purposes of treatment; transportation, surgery -- electrolytes and fluids; protection of the nervous system function; sedatives, circulation, respiratory and metabolic functions; resuscitation and reanimation; surgery and anesthesia. Various stages of medical aid are reviewed and discussed, with special attention to classifying wounded into categories as to salvageability prior to deciding on sequence of evacuation and treatment.

1/1

L 33712-66

ACC NR: AP6025148

SOURCE CODE: RU/0012/65/061/004/0523/0534

AUTHOR: Karos, E. (Doctor; Lieutenant general; Doctor of medical sciences); Sutau, I. (Doctor; Colonel); Dancioloiu, AL. (Doctor; Major); Vaideanu, C. (Doctor; Lieutenant colonel); Gheorghe, Ioan (Doctor; Major); Mancas, O. (Doctor; Major)

28  
B

ORG: none

TITLE: Our experience in the treatment of varicose ailments of the pelvis

22

SOURCE: Revista sanitara militara, v. 61, no. 4, 1965, 523-534

TOPIC TAGS: disease therapeutics, disease incidence, circulatory system disease

ABSTRACT: A report on the authors' experience during 1952 to 1965 with 576 patients suffering from various clinical forms of varicose afflictions of the pelvis. The different forms of therapeutic approach used are discussed, the effectiveness of the different methods for the separate classes of ailments is compared, and some general conclusions with regard to the incidence and treatment of varicose ailments are presented. [JPRS: 33,500]

SUB CODE: 06 / SUBM DATE: 30Apr65 / ORIG REF: 008 / SOV REF: 003  
OTH REF: 005

Card 1/1

PB

0916

0497

L 63411-65

ACCESSION NR: AP5023233

RU/0012/64/000/005/0703/0714

AUTHOR: Mares, E. (Doctor, Major General)

TITLE: Suprarenal glands and surgery

SOURCE: Revista sanitaria, no. 5, 1964, 703-714

TOPIC TAGS: gland, hormone, surgery

ABSTRACT: A survey article reviewing the function and activity of the medullar substance and suprarenal cortex, the characteristics of the principal mineral-corticoid and gluco-corticoid hormones, various suprarenal disturbances, and the use of surgery in suprarenal pathology.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NR REF SOV: 000

OTHER: 019

JPRS

Card 1/KC



L 64576-65

ACCESSION NR: AP5023129

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NR REF SOV: 000

OTHER: 000

JPRS

*KA*  
Card 2/2

I 64576-65

ACCESSION NR: AP5023129

RU/0012/64/000/004/0605/0610

22

B

AUTHOR: <sup>65</sup>Mares, E. (Major General, Physician); <sup>65</sup>Giurgiu, T. (Doctor of medical sciences, Major, Veterinary physician); <sup>65</sup>Suteu, I. (Colonel, Physician); <sup>65</sup>Vaidanu, C. (Lieutenant Colonel, Physician); <sup>65</sup>Danciuloiu, A. (Major, Physician)

TITLE: Use of large volumes of lyophilized homotransplants in corrective surgery of long bones <sup>55</sup>

SOURCE: Revista sanitara militara, no. 4, 1964, 605-610

TOPIC TAGS: tissue transplant, plastic surgery

ABSTRACT: Report of homotransplantation of large-size lyophilized cadaver-bones: distal part of femur to 25-year-old woman with osteolytic tumor, and distal part of radius to 38-year-old man following severe accident. The first case was complicated by infectious sequelae but the second went well throughout, with gradual formation of callus and eventual anatomic and functional integration. Photograph of surgical specimen, 14 roentgenograms. Orig. art. has: 15 figures.

Card 1/2

MARES, Emil, inz.; MICHE, Premysl, PhMr.

Preparation of synthetic fat for pharmaceutical purposes.  
Prum potravín 14 no.11:603-606 N°63.

1. Vyzkumny ustav tukoveho prumyslu, Usti nad Labem (for Mares). 2. Leciva, n.p., Dolni Mecholupy (for Michl).

RUMANIA

MARES, E., Maj-Gen, Dr, and OANCEA, Tr., Col, Dr [affiliation not given]

"The Treatment of Thoracic and Abdominal Traumatism in the Case of an Agglomeration of the Wounded."

Bucharest, Revista Sanitara Militara, Vol 59, No 3, May-Jun 63, pp 385-396.

Abstract: Discusses the physio-pathological complications that might occur in the mass treatment of abdominal and thoracic injuries in war, emphasizing the emergency measures that must be taken during the pre-operational first-aid stage. Describes the characteristics of the possible types of injuries and the appropriate treatment and emergency surgical interventions for each.

1/1

MARES, E.; POKORNY, J.

Various methods of manufacturing pure higher fatty acids. p. 202

PRYMSL, POTRAVIN. Praha, Czechoslovakia, Vol. 10, no. 4, April 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959.  
Uncl.

POKORNY, I., inzh.; MARESH, E., inzh.; MAKHANICHEK, A., inzh.

Using hydrogenated fats for the preparation of a cacao butter substitute. Masl.-zhir.prom. 24 no.11:17-19 '58.  
(MIBA 12:1)

1. Issledovatel'skiy institut rastitel'nykh masel i zhirov  
Usti-na-Labe, Strekov, Chekhoslovakiya.  
(Oils and fats) (Cacao butter)

CZECHOSLOVAKIA / Chemical Technology. Chemical Pro- H-15  
cesses and Their Applications. Indus-  
trial Organic Synthesis.

Abstracts Jour: Ref Zhur-Khimiya, No 3, 1959, 9201.

Abstract: of 200-760 mm mercury at 2300 and 3% KOH. Analy-  
tical control of the course of esterification was  
accomplished by changing the content of uncondensed  
II, hydroxyl number, indices of refraction and vis-  
cosity. The optimum conditions which can be utili-  
zied in industrial production of I from II were  
established. A simple and rapid analytical meth-  
od is suggested for control of the esterification  
process and determining the molecular weight of I  
by refractive index. The physical constants of  
di-II and tri-II are given. Bibl. 31 refs. --  
I. Yelinsk.

Card 2/2

/s/

MARES, E.

CZECHOSLOVAKIA / Chemical Technology. Chemical Prod- N-15  
ucts and Their Applications. In us-  
sion: Organic Synthesis.

Acta Jour: Ref Zhur-Khimiya, No 3, 1959, 2201.

Author : Mares, E.  
Inst : Not given.  
Title : Production of polyglycerine by Esterification of  
Glycerine.

Orig Pub: Prumysl potraviny, 1957, 3, No 3, 147-150.

Abstract: a) review of production methods of polyglycerine  
(I) and the areas of its use. b) study of glycer-  
ine (II) esterification in a CO<sub>2</sub> medium was made  
with the following variables: a) reaction temper-  
atures from 180-270° and use of 1% KOH as cat-  
alyst; b) catalyst quantity (0.05: 1.0; 3.0% KOH)  
at a temperature of 260°; c) pressure in the range

Cará 1/2



MARES, EMIL

Mixtures of partial esters of multivalent alcohols and their use for the production of alkylid resins. Bohumil Svoboda and Emil Mares (Usti on Elbe, Czech.). Chem. Tech. (Berlin) 8, 558-563 (1958). The probability of occurrence of individual partial esters formed from a univalent fatty acid and excess tri- or quadrivalent alc. is calcd. For a quadrivalent alc.  $P_1, P_{2,2}, P_{3,1}, P_{4,0}, P_0 = A^4 : 4A^3B : 6A^2B^2 : 4AB^3 : B^4$ , where  $P_n$  is the probable mole % unesterified alc.,  $P_{1,1}$  the monoester,  $P_{2,2}$  the diester,  $P_{3,1}$  the triester, and  $P_0$  the tetraester; and  $A$  is the mole % reacting alc. and  $B$  the mole % reacting acid. The ratios derive from the polynomial  $(A + B)^4$ . Similar ratios for a trivalent alc. and univalent acid derive from  $(A + B)^3$ . Conditions for which these equations have practical value are discussed. B. W. Hotten

10m  
2 May

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MAJ

PM mx

MAREŠ EMIL

Relation between iodine values of fatty acids in vegetable oils and in soap stocks. Vladimír Jančík, Jan Pokorný, and Emil Mareš (Výzk. ústav. oleje a tuky, Ústí n.L., Crech.). *Průmysl. Potravin.* 7, 213-15 (1959).—Refining brings about a decrease in the I value of vegetable oils with the exception of linseed oil where I value is slightly increased. The I of the fatty acids isolated by acidifying the alk. refining soapstocks or extd. in refining the crude oil with MeOH was lower by 5-10 units (in linseed oil by 20-50 units) than the I value of the original oil (both calcd. to glyceride basis). L. J. Urbánek

MARES EMIL

MW  
Mixtures of mono-, di-, and triglycerides containing above 45% monoglycerides. Emil Mares, Czech, 28,770, June 15, 1956. The addn. of  $H_2PO_4$ ,  $KOH$ , or  $Ac_2O$  to products of esterification prevents, by inactivating the catalyst, disproportionation and raises yields of monoglycerides (I) from 41.0 to 53% on the av. Hydrogenated sunflower oil (m. 35°) (100 parts) is heated with 66 parts glycerol (II) and 0.3 part  $KOH$  under stirring and an atm. of N to 280°. When the mixt. has reached the max. content of I, 0.5 part  $H_2PO_4$  dissolved in 2 part II is added, and the reaction mixt. is cooled quickly under stirring to 170° and then slowly to 60°. After sepr. II, the product contains above 45% I and can be used for the prepn. of aldehyde resins.  
L. J. Urbánek

MARES, D. (Timisoara)

Rational territorial distribution of the industrial production.  
Probleme econ 17 no.12:3-18 D '64.

RUMANIA

MAREȘ, Dinu, Dr.

A.S.C.A.R.--Center for Heart Disease Treatment (Centrul  
de asistenta a cardiacilor).

Bucharest, Viata Medicala, No 13, 1 Jul 63, pp 903-905

"Some of the Aspects of Ocular Disturbances Occuring In  
Carotid Obliterating Atherosclerosis."

(1)

MARES, Antonin, nositel radu Rudeho praporu prace SSSR

Results of the development of low oil content circuit breakers  
for 110 kV, 3,500 MVA. El tech obzor 51 no.10:509-513 0 '62.

1. Ceskomoravska-Kolben-Danek Praha, n.p.

MARES, A., dr.; CONSTANTINESCU, Mariana, dr.

Poisoning with dichlorethane, with neurological symptoms.  
Neurologia (Bucur) 10 no.2:123-126 Mr-Ap'65.

1. Lucrare efectuata in Clinica de neurologie a Spitalului  
"Colentina", Bucuresti.

STOICHITA, S., dr.; BOICESCU, Lidia, dr.; STECLACI, A., dr.; DEBAU, M., dr.;  
MARINESCU, Eliza, dr.; ALMASAN, Eugenia, dr.; CONSTANTINESCU,  
Monica, dr.; In colaborare cu: BURLUI, D., conf.; RATIU, D., dr.;  
SIRKIS, A., dr.; MARES, A., dr.

Peutz-Jeghers syndrome. (Clinical study of 2 cases completed  
with the aid of radiocinematography, endophotocinematography  
and endobiospy with forceps and aspiration-section. Med. intern.  
15 no.10:1193-1206 '63.

1. Clinica a V-a medicala "Vasile Roaita" (for Stoichita,  
Boicescu, Steclaci, Debau, Marinescu, Almasan, Constantinescu).
2. Clinica de chirurgie "Bernat Andrei" (for Burlui, Ratiu).
3. Sectia de boli interne a Spitalului studentesc din Bucuresti  
(for Sirkis, Mares).

(INTESTINAL NEOPLASMS) (POLYPI)  
(RADIOGRAPHY) (MOTION PICTURES)  
(ENDOSCOPY)



SAGER, O., academician; MARES, A.

Control by the rhinencephalon of the vascularization of the digestive tract. Stud. cercet. endocr. 14 no.4/5/6:495-603 '63.

SAGER, O.; MARES, A.

Anatomical, clinical and electroencephalographic peculiarities in circulatory disturbances of the reticular formation. Rumanian med. rev. no.2:49-56 '62.

(RETICULAR FORMATION)

TEODORESCU, P., Prof.; LILIS, M., dr.; MARES, A., dr.; CONSTANTINESCU, D., dr.

Acute cerebral circulatory insufficiency. Med. intern., Bucur 11  
no. 5: 691-698 '60.

1. Lucrare efectuata in Clinica medicala, Spitalul "Dr. I. Cantacuzino",  
Bucuresti.

(BRAIN, blood supply)

HORNET, Th.; MARCOVICI, Gr.; VOINESCO, S.; MARES, A.

The role of Galen's veins in the pathogenesis of lesions of  
encephalitis caused by salversan. Rev. sci. med. 5 no.3/4:177-179

'60. (ARSPHENAMINES toxicol.) (ENCEPHALITIS etiol.)  
(BRAIN blood supply)

SAGER, O.; MARES, A.

Studies on the diencephalon. The connections of the dorsomedian nucleus. Rev. sci. med. 5 no.1/2:89-93 '60.

1. Corresponding member of the Academy of the R.P.R. (for Sager)

(DIENCEPHALON anat & histol)

ZAGER, O. [Sager, O.]; MARESH, A. [Mares, A.] .

Optic thalamus syndrome of vascular origin. Nauch. trudy Inst.  
nevr. AMN SSSR no.1:75-81 '60. (MIRA 15:7)

1. Institut nevrologii imeni I. P. Pavlova Akademii Ramynskoy  
Narodnoy Respubliki, Bukharest.

(OPTIC THALAMUS—DISEASES)

VASILESCU, N.; MARIU, A.

Alterations of body picture during the thalamic syndrome. Rumanian M.  
Rev. 2 no.2:53-55 Apr-June 58.

(THALAMIC SYNDROME, manifest.  
body image disord.)

(AGNOSIA  
body image disord. in thalamic synd.)

MARES, A.

HORMER, Th.; BALACEANU-STOINICI, G.; MARES, A.

Hypertrophic arteritis & the cerebellar form of Schilder's disease.  
Rumanian M. Rev. 1 no.2:56-57 Apr-June 57.

(ENCEPHALITIS PERIAXALIS, differ. diag.  
hypertrophic cerebral arteritis)

(ARTERITIS, differ. diag.  
hypertrophic cerebral, differentiation from encephalitis  
periaxialis)



GOLDHAMMER, L.,; MARES, A.,; Sager, O.

Studies on the problem of sleep and muscle tonus. Bul stiint.,  
sect. med. 7 no.4:1281-1299 Oct-Dec 55.

1. Membru Corespondent al Academiei R.P.R. ( for Sager)

(SLEEP DISORDERS

insomnia, induced in dogs by diencephalic &  
mesencephalic lesions)

(MUSCLES, physiology

tonus, eff. of diencephalic & mesencephalic lesions,  
in dogs.)

(DIENCEPHALON, physiology,

eff. of exper. lesions on sleep & musc. tonus)

(MESENCEPHALON, physiology

(SAME)

MARES, A.

Development of rubber parts of pneumatic spring systems for our cars. p. 290

AUTOMOBIL. (Ministerstvo automobiloveho prumyslu a zemedeliskych stroju)  
Praha, Czechoslovakia, Vol. 3, No. 9, Sept. 1959.

Monthly List of East European Accessions, (EEAI), LC, Vol. 8, No. 12, Dec. 1959  
Uncl.

CSAPO, J.; MARER, V.; BUDAI, J.; GIAZ, A.; NYERGES, G.

Determination, quantity and significance of cerebrospinal fluid oxidizing substances in purulent meningitis. Acta med. hun. 15 no.1:79-86 '60.

1. II. Kinderabteilung des Laszlo-Krankenhauses, Budapest.  
(MENINGITIS cerebrospinal fluid)

MARER V.

GLAZ, Agnes, dr.; MARER, Veronika, dr.

Measles pneumonia in infant. Gyermekgyogyaszat 5 no.10:312-316  
Oct 54.

I. & Laszlo-korhaz (igazgato-foorvos: dr. Ferencz Pal) II.  
Gyermekosztalyanak (foorvos: dr. Csapo Jozsef) kozlemeny  
(PNEUMONIA, compl.  
measles in inf., ther.)  
(MEASLES, compl.  
pneumonia in inf., ther.)

MARER, V.; GIAZ, A.

The role of the newer antibiotics in the treatment of pertussis and its complications. Orv. hetil. 94 no.26:714-718 28 June 1953. (CINL 25:1)

1. Doctors. 2. Second Children's Department (Head - Head Physician --  
Dr. Jozsef Csapo), László Metropolitan Hospital (Director - Head Physician  
-- Dr. Pal Ferencz), Budapest.

00000

KYUREGYAN, S.K., kand.tekhn.nauk; MARENOVA, M.M.

Using the method of spectrum analysis in evaluating the wear of  
an engine. Avt.prom. 31 no.10:10-12 0 '65.

(MIRA 18:10)

MARENOV, V.F., inzh., red.; GROZOVSKIY, T.S., kand. tekhn.nauk;  
KLIMOVA, G.D., red. izd-va; GOL'BERG, T.M., tekhn. red.

[Instructions SN 207-62 for carrying out preventive maintenance of construction equipment]Instruktsiia po provedeniiu planovo-predupreditel'nogo remonta stroitel'nykh mashin SN 207-62. Moskva, Gosstroizdat, 1962. 74 p.

(MIRA 15:11)

1. Russia (1923- U.S.S.R.)Gosudarstvennyy komitet po delam stroitel'stva.

(Construction equipment--Maintenance and repair)

ACCESSION NR: AP4044418

ENCLOSURE: 03

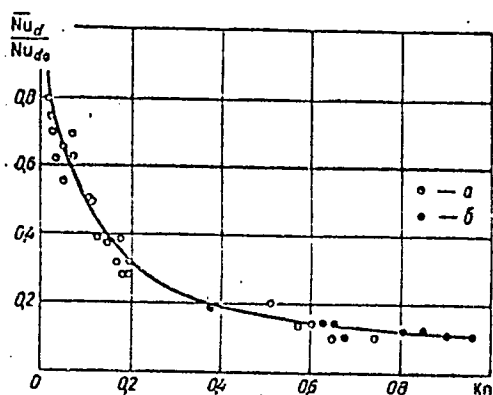


Fig. 3. Dependence of the relationship of the mean values of the parameter  $Nu_d$  to the limiting value  $Nu_{d0}$  to the parameter  $Kn$ .

Card 5/5



ACCESSION NR: AP4044418

ENCLOSURE: 02

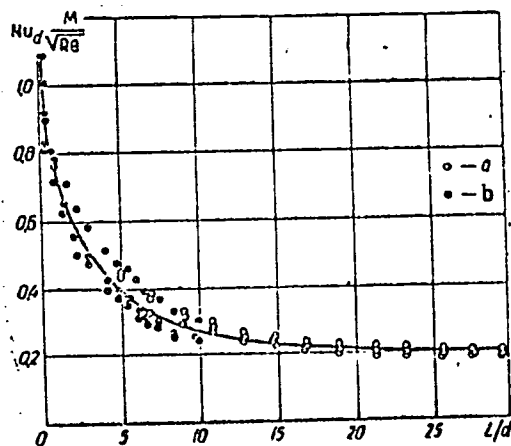


Fig. 2. Dependence of the product of the local parameter  $Nu_d M / \sqrt{Re}$  on the pipe length ratio  $L/d$ . a -  $L/d = 30$ ; b -  $L/d = 10$ .

Card 4/5

ACCESSION NR: AP4044118

ENCLOSURE: 01

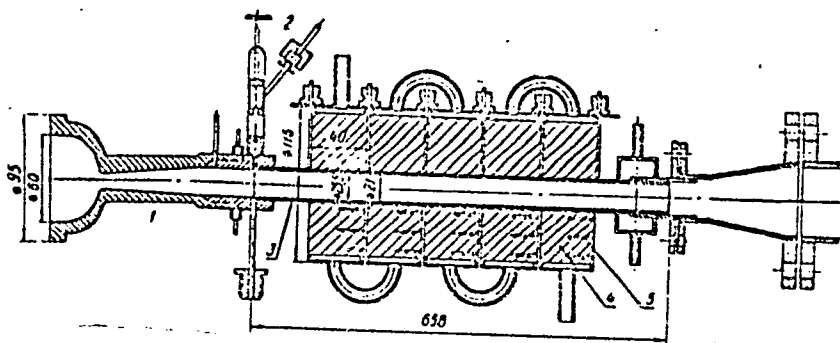


Fig. 1. Experimental section with a pipe  $L/d = 30$ . 1- supersonic orifice; 2- moving pitot tube; 3- experimental tube; 4- bronze ring for heat transfer measurement; 5- thermocouple for measuring ring temperature.

Card 3/5

ACCESSION NR: AP4044418

specific heat flows,  $q$ , versus the pipe length ratio  $L/d$ . Figures 2 and 3 on the Enclosures show the test measurements obtained. In the figures  $Kn = M/\sqrt{Re}$  is the Knudsen coefficient,  $Nu_d$  is the local Nusselt number,  $\overline{Nu_d}$  is the mean Nusselt number considering the entire pipe length observed, and  $Nu_{do}$  is Nusselt's number for continuous flow. It was found that heat transfer from gas to pipe wall is considerably lower in slip flow than in continuum flow, and that heat transfer coefficients depend upon the rarefaction parameter. Orig. art. has: 3 equations and 4 figures.

ASSOCIATION: Institut mekhaniki AN SSSR, Moscow (Institute of Mechanics AN SSSR)

SUBMITTED: 29Nov63

ENCL: 03

SUB CODE: ME

NO REF SOV: 008

OTHER: 001

Card 2/5

ACCESSION NR: AP4044418

S/0170/64/000/008/0093/0096

AUTHOR: Marenov, A. Ye.

TITLE: Heat exchange in pipes with a slipping laminar flow

SOURCE: Inzhenerno-fizicheskii zhurnal, no. 8, 1964, 93-96

TOPIC TAGS: laminar flow, pipe flow, fluid pressure, heat exchange, Nusselt number, Knudsen number, Prandtl number

ABSTRACT: Experimental investigations of heat exchange for rarefied air flow with slippage through pipes were conducted in order to determine the coefficients of heat exchange for supersonic flow of rarefied gas in pipes. Two experimental pipes were used in the tests, the first being of steel with a length-to-diameter ratio  $L/d = 10$ , and the other of copper with  $L/d = 30$ . Figure 1 on the Enclosures is a sectional view of the test apparatus for the copper pipe. Local heat flow through the pipe wall was determined by the stationary heat register method and regular heat register method. In the first test case the thermal gradients were determined by thermocouples placed in a special bronze measuring ring soldered to the pipe; in the second case the heat exchange coefficients were determined by the rate of heating of the bronze rings. A graph was made showing the distribution of

Card 1/5

MAREN OV, A. Ye.

Heat transfer in tubes in a laminar flow with slip. Inzh.-fiz. zhur.  
7 no.8:93-96 Ag '64. (MIRA 17:10)

1. Institut mekhaniki AN SSSR, Moskva.

Determining heat transfer...

S/124/62/000/001/008/046  
D237/D304

referred to the diameter of the tube. Experimental results are presented graphically. [Abstracter's note: Complete translation.]

B

Card 2/2

S/124/62/000/001/008/046  
D237/D304

117430  
AUTHOR:

Marenov, A. Ye.

TITLE:

Determining heat transfer coefficients in the supersonic flow of rarefied gas in a tube

PERIODICAL:

Referativnyy zhurnal, Mekhanika, no. 1, 1962, 19, abstract 1B124 (Inzhenernyy sb., 1960, 30, 139-148)

TEXT: A detailed description is given of an aerodynamic tube intended for setting-up slip flows of rarefied gases and of recording instruments. The methods of G. M. Kondrat'yev (Teplovyye izmereniya (Thermal Measurements). M.-L., Mashgiz, 1957) of steady and regular thermal behavior are used to determine the coefficients of heat transfer. Mean parameters of flow are determined only in transverse cross-section. The degree of rarefaction of flow is determined, using theoretical values of Mach No. at the point of emergence from the nozzle and Reynold's No. ✓B

Card 1/2

MARENOV, A.Ye.

Heat transfer in a laminar boundary layer in supersonic gas  
flow along a tube. Zhur.tekh.fiz. 31 no.8:1001-1011 Ag '61.  
(MIRA 14:8)

1. Institut mekhaniki AN SSSR, Moskva.  
(Heat--Transmission) (Boundary layer) (Gas flow)



Determining the coefficients ...

28009 S/508/60/030/000/012/013  
D234/D306

$$Nu_x = 0,274 \frac{\sqrt{Re_x}}{\left(1 + \frac{k-1}{2} M_x^2\right)^{1/4}} (T_{00}/T_{st}), \quad (12)$$

the index  $x$  denoting local values of the parameters along the pipe;  $T_{st}$  is the temperature of the wall and  $T_0$  that of the gas at the wall. The experimental values are always lower than those determined from the formula. There are 7 figures and 8 Soviet-bloc references.

SUBMITTED: June 30, 1959

H

Card 2/2

28009  
S/508/60/030/000/012/013  
D234/D306

26.5100

AUTHOR: Marenov, A.Ye. (Moscow)

TITLE: Determining the coefficients of heat loss in super-sonic flow of rarefied gas in pipes

PERIODICAL: Akademiya nauk SSSR. Institut mekhaniki. Inzhenernyy sbornik, v. 30, 1960, 139 - 148

TEXT: The experiments were carried out in the domain of flow with sliding, the parameter of rarefaction varying between 0.13  $M/\sqrt{Re_d} < 2$ . The interval of M was 3.5 to 5.5; the rarefaction of working air flow - 0.02 to 2 mm Hg,  $Re_d$  between 10 and 850. The devices used in the experiments are described in detail, and many theoretical formulae are quoted. Graphs of heat flow, velocity distribution and dependence of M on the length of the pipe are given (each for one or two of the experiments only). The author offers an empirical formula

Card 1/2

MAREN OV, A.Ye. (Moskva)

Investigating heat exchange during supersonic air flow in pipes.  
Inzh. sbor. 25:179-187 '59. (MIRA 13:2)  
(Pipe--Hydrodynamics) (Heat--Transmission)

137  
KOSTERIN, S. I.\*; MARENKO, A. G.; MOTULEVICH, V. P.; SERGEYEV, A. S.; YAKUSHIN, M. I.

"Wind tunnel with a gas heated by a high-frequency discharge."  
report submitted for 2nd All-Union Conf on Heat & Transfer, Minsk, 4-12 May  
1964.

Mechanics Inst, AS USSR.

MARENCOV, A. G.

"Influence of the Temperature Factor on the Coefficients of Heat Loss and Hydraulic Resistance in Turbulent Flow." Thesis for degree of Cand. Technical Sci. Sub 16 Mar 50, Power Engineering Inst imeni G. M. Krzhizhanovskiy, Acad Sci USSR

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950.

MA BERNY, Ya.I., inzh.

Pneumatic transportation of the concrete mix. Mekh. stroi.  
19 no.5:13-15 My '62 (MIRA 15:5)  
(Concrete--Transportation)  
(Pneumatic-tube transportation)

MARENYY, Ya. I., inzh.

Pneumatic units for transporting building mixes. Mekh. stroi.  
17 no.6:24-25 Je '60. (MIRA 13:6)  
(Pneumatic-tube transportation)  
(Mortar--Transportation)  
(Concrete--Transportation)

MARENYY, Ya.I., inzh.

Pneumatic systems for transporting concrete mixes. Prom.stroi.  
37 no.10:55-60 0 '59. (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut transportnogo  
stroitel'stva Ministerstva transportnogo stroitel'stva.  
(Pneumatic-tube transportation)  
(Concrete--Transportation)



MARENYY, Ya.I., inzh.

Concrete placers to be used in lining tunnels. Transp.stroi.  
9 no.10:27-30 0 '59. (MIRA 13:2)  
(Tunneling) (Mixing machinery)

MARENYY, Ya.I., kand. tekhn. nauk

Using vacuum grabs in construction. Prom. stroi. 36 no.11:12-15  
N '58. (MIRA 12:1)  
(Hoisting machinery) (Vacuum apparatus)

*MARENNYY, Ya. I.*

MAKOVSKIY, V.L., doktor tekhn.nauk; MARENNYY, Ya.I., kand.tekhn.nauk;  
ZAKANDYRIN, B.G., inzh.

Using vacuum apparatus in tunneling. Transp. stroi. 8 no.2:19-21  
F '58. (MIRA 11:2)

(Vacuum apparatus)  
(Tunneling)

MARENYY, YA.I.

MARENYY, Ya.I., inzhener

Calculating the engine output of the main drive of concrete pumps.  
Stroi.1 dor.mashinostr.2 no.9:10-14 S '57. (MIRA 10:11)  
(Electric driving) (Pumping machinery) (Concrete)

MARENYY, Ya. I.

Marenyy, Ya. I.

"Investigation of problems of the structure of concrete tunnel facings using concrete pumps." Min Transport Machine Building USSR. All-Union Sci Res Inst of Transport Construction. Moscow, 1956.  
(Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis'  
No. 21, 1956. Moscow.

ACC NR: AT6036599

energy of the incident ion. A mylar film  $5 \mu$  thick which divided the vacuum part of the chamber from atmospheric air was used for electron absorption. Calculations showed that the contribution of secondary radiation to the total dose absorbed by the biological object did not exceed 1%.

Since the experimental biological objects were not more than  $5-10 \mu$  thick, their absorbed dose was calculated by ionization losses in polyethylene, a substance with braking ability similar to moist tissue.

[W. A. No. 22; ATD Report 66-116]

SUB CODE: 06,20 / SUBM DATE: 00May66

Card 3/3

ACC NR: AT6036599

Experiments were conducted on the U-150 cyclotron at Dubna, which produces beams of accelerated carbon, nitrogen, and oxygen atoms with energies around 7 Mev per nucleon with currents up to 10  $\mu$ amp. Irradiation of biological objects in these direct beams is impossible, since the dose power would be measured in megarads. In order to decrease the dose power to 2-5 rad/sec, the required level for irradiation of biological objects, a special device was used. The ion flux was decreased  $10^6$  times by the process of scattering heavy ions on gold foil (1-2  $\mu$  thick) fixed in a vacuum chamber. The angle between beams of primary and scattered ions reached 90°. This arrangement ensured convenience of operation and the necessary uniformity of the radiation field with respect to intensity and ion energy.

A special collimator (consisting of a system of concentric sleeves) was used to further equalize the radiation field. The collimator produces some decrease in the dose power received by the biological object, which can be compensated by increasing ion currents. Irradiation monitoring was accomplished with a special ion current integrator.

During ion scattering on gold foil secondary electrons are generated, which have a spectrum with a maximum in the region of 3 kev for a 60 Mev

Card 2/3

ACC NR: AT6036599

SOURCE CODE: UR/0000/66/000/000/0234/0236

AUTHOR: Kudryashov, Ye. I.; Maronnyy, A. M.; Popov, V. I.; Portman, A. I.;  
Solyanov, B. I.; Sychkov, M. A.

ORG: none

TITLE: A method of irradiating biological objects on a multicharge ion  
accelerator [Paper presented at the Conference on Problems of Space Medicine held  
in Moscow from 24-27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy  
kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii,  
Moscow, 1966, 234-236

TOPIC TAGS: ion accelerator, synchroocyclotron, ionizing radiation biologic effect,  
radiation tissue effect

ABSTRACT:

RBE values for heavy ions can be determined from experiments with  
irradiation of tissue and plant cultures. RBE determinations are necessary  
for calculations of the total dose received by cosmonaut and life-support  
system on a long spaceflight. At present the RBE values for heavy ions  
are set at 20-30, indicating the great radiation hazard presented by galactic  
rays.

Card 1/3



L 10975-66 EWT(1)/EWA(1)/EWA(b)-2 JK

ACC NR: AP5028390

SOURCE CODE: UR/0016/65/000/009/0015/0021

AUTHOR: Marennikova, S. S.; Solov'yev, V. D.

35  
B

ORG: Moscow Institute of Viral Preparations (Moskovskiy institut virusnykh preparatov);  
Central Institute of Advanced Training for Doctors (Tsentral'nyy institut usovershenstvovaniya vrachey)

TITLE: Present state of smallpox prevention

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1965, 15-21

TOPIC TAGS: epidemiology, infectious disease, disease control, disease incidence

ABSTRACT: The authors discuss recent progress made in the prevention of smallpox and the problems still facing researchers. The danger of importation of smallpox through cultural and economic exchange visitors and across land boundaries bordering on less developed countries is emphasized. Research and practical studies on the problem of smallpox should encompass an improvement of smallpox vaccine and vaccination studies of the smallpox virus, methods of its rapid indication, and particular attention should be devoted to a study of the epidemiological features of imported smallpox outbreaks and the development of the proper antioepidemiological measures meeting the new conditions. The material presented in the article indicates that, despite the progress made, many questions in the problem of smallpox prevention are still unsolved and unclear.

SUB CODE: 06 / SUBM DATE: 07Jul64 / ORIG REF: 015 / OTH REF: 008

Card 1/1

UDC: 616.912-084

GURVICH, E.B.; MARENNIKOVA, S.S.

Laboratory diagnosis of smallpox and similar viral diseases by means of tissue culture methods, III. additional modes of differentiating viruses of the pox group in tissue culture. Acta virol. 8 no.5:435-442 S '64.

1. Scientific Research Institute of Viral Preparations, Moscow, U.S.S.R.

MARENNIKOVA, S.S.; SOLOV'YEV, V.D.

Current state of the prevention of smallpox. Zhur.mikrobiol., epid.  
i immun. 42 no.9:15-21 S '65.

(MIRA 18:12)

1. Moskovskiy institut virusnykh preparatov i Tsentral'nyy institut  
usovershenstvovaniya vrachey. Submitted July 7, 1964.

MARENNIKOVA, S.S.; MAL'TSEVA, N.N.; YUMASHEVA, M.A.

Origin of vaccinia virus. Vop. virus. 10 no. 6:110-119 K-D  
'65 (MIRA 1961)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh prepara-  
ratov. Submitted April 12, 1964.

MARENNIKOVA, S.S., AKATOVA-SHFIRKHINA, E.M., GURVICH, E.B.

Some properties of alastriz virus. Vop. virus. 10 no.4:  
439-447 J1-Ag '65. (MIRA 18.8)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh  
preparatov.

MARSHNIKOVA, S.S.; MAL'ISEVA, N.M.

Selection and the properties of genetically homogenized variants of  
the smallpox vaccine virus. *Vet. virus. 10 no. 1:10-14, 1965.* (MIRA 18:10)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh preparatov.

MARENNIKOVA, S.S.; KAPTSOVA, T.I.

Age-dependence of susceptibility of white mice to variola virus.  
Acta virol. (Praha) [Eng] 9 no.3:230-234 My'65.

1. The Moscow Scientific Research Institute of Viral Preparations,  
Moscow, U.S.S.R.

MARENNIKOVA, S.S.; MAL'TSEVA, N.N.

Comparative study of some strains of vaccine virus. Report No.2:  
Pathogenicity for laboratory animals. Vop. virus. 9 no.3:287-291  
My-Je '64. (MIRA 18:1)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh pre-  
paratov.



MARENNIKOVA, S.S.; MAL'TSEVA, N.N.

Comparative study of some strains of vaccine virus. Report No.1:  
Characteristics in chick embryos, hemagglutinating activity and  
thermoreistance. Vop. virus. 9 no.3:280-286 My-Je '64.

(MIRA 18:1)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh prepa-  
ratov.

MARENKOVA, S.S.; GURVICH, E.B.; YUMASZEVA, M.A.

Laboratory diagnosis of smallpox and similar viral diseases by means of tissue culture methods. II. Differentiation of smallpox virus from varicella, Vaccinia, cowpox and herpes viruses. Acta virol. (Praha) [Eng.] 8 no.2:135-142 Mr'64.

1. Research Institute of Viral Preparations, Moscow, USSR.

\*

MARENNIKOVA, S.S.; GURVICH, E.B.; YUMASHEVA, M.A.

Laboratory diagnosis of smallpox and similar viral diseases by means of tissue culture methods. Acta virol. 7 no.2:124-130 Mr '63.

1. The Mechnikov Scientific Research Institute of Vaccines and Sera, Moscow, U.S.S.R.

(SMALLPOX)	(SMALLPOX VIRUS)	(VIRUS CULTIVATION)
(TISSUE CULTURE)		(DIAGNOSIS, LABORATORY)

MARENNIKOVA, S.S.; AKATOVA, E.M.

Study of biomyacin action in experimental smallpox infection.  
Vop.virus. 7 no.6:743 N-D '62. (MIRA 16:4)

1. Moskovskiy institut vaktsin i syvorotok imeni I.I.Mechnikov.  
(SMALLPOX) (AUREOMYCIN)

MARENNIKOVA, S.S.; GURVICH, E.B.; OGORODNIKOVA, Z.I.

Comparative study of Soviet and foreign smallpox vaccines.  
Vop. virus 7 no.1:62-68 Ja-F '62. (MIRA 15:3)

1. Moskovskiy nauchno-issledovatel'skiy institut vaktsin i  
syvorotok imeni I.I. Mechnikova.  
(SMALLPOX) (VACCINES)

MARENNIKOVA, S.S.; YEREMYAN, A.V.; OGORODNIKOVA, Z.I.

Treatment of patients with smallpox with antismallpox. globullin.  
Zhur.mikrobiol. epid. i immun. 32 no.4:84-87 Ap '61.

(MIRA 14:6)

1. Iz Moskovskogo instituta vaktsin i syvorotok imeni Mechnikova,  
2-y klinicheskoy infektsionnoy bol'nitsy i kliniki Instituta  
virusologii imeni Ivanovskogo AMN SSSR.  
(SMALLPOX) (GAMMA GLOBULIN)

MARENNIKOVA, S.S.

Isolation and study of the properties of the smallpox virus. Report  
No. 2: Susceptibility of laboratory animals to the smallpox virus.  
Vop. virus. 7 no. 1:75-78 Ja-F '61. (MIRA 14:4)

1. Moskovskiy institut vaktsin i syvorotok imeni I.I. Mechnikova.  
(SMALLPOX)

MARENNIKOVA, S.S.; MAL'TSEVA, N.N.

Use of the slide agar precipitation reaction in the diagnosis of  
smallpox. Vop.virus. 6 no.2:204-207 Mr-Ap '61. (MIRA 14:6)

1. Institut vaktsin i syvorotok imeni I.I.Mechnikova, Moskva.  
(SMALLPOX) (AGAR)



MARENNIKOVA, S.S.

Smallpox ovovaccine and specific gamma globulin. Nauch. ozn. proizv.  
bakt. prep. 10:24-32 '61. (MIRA 18:7)

1. Moskovskiy institut vaktsin i syvorotok im. Mechnikova.

MARENNIKOVA, S.S.

Isolation of smallpox virus on chick embryos. Zhur. mikrobiol.  
epid i immun. 31 no.6:102-106 Je '60. (MIRA 13:8)

1. Iz Moskovskogo instituta vaktsin i syvorotok im. Mechnikova.  
(SMALLPOX) (BACTERIOLOGY, MEDICAL)

MARENNIKOVA, S.S.; GURVICH, E.B.; YUMASHEVA, M.A.

Isolation and studies on the properties of the smallpox virus. Report  
No.1: Isolation of the smallpox virus in tissue culture. Vop.virus.  
4 no.6:703-710 N-D '59. (MIRA 13:3)

1. Moskovskiy institut vaktsin i syvorotok imeni Mechnikova.  
(SMALLPOX virol.)

MARENNIKOVA, S.S.; KALININA, L.I

New strains of influenza virus. Vop.virus. 4 no.4:411-416 JI-Ag '59.  
(MIRA 12:12)

1. Moskovskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok  
imeñi I.I. Mechnikova.  
(INFLUENZA VIRUSES)

MARENNIKOVA, S.

Conference on meeting the international demand for smallpox  
vaccine. Vop.virus. 4 no.3:381-382 Ky-Je '59. (MIRA 12:8)  
(SMALLPOX)

MARENNIKOVA, S. S., MASTYUKOVA, YU. N., SOLOV'YEV, V. D.

"Virus vaccines and problems of smallpox vaccination."

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

MARENNIKOVA, S.S., AKATOVA, E.M.

The hemagglutinating activity of the smallpox virus [with summary in English]. Biul. eksp. biol. i med. 45 no.4:88-91 Ap '58  
(MIRA 11:5)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta vaktsin i syvorotok imeni I.I. Mechnikova (dir. A.P. Muzychenko).  
Predstavlena deystvitel'nym chlenom AMN SSSR L.D. Zil'berom.

(SMALLPOX, virus

hemagglutinating activity with blood from various animal species (Rus))

(HEMAGGLUTINATION,

activity of smallpox virus on blood from various animal species (Rus))

MARENNIKOVA, S.S.; PONOMAREVA, N.A.; OGORODNIKOVA, Z.I.; DURASOVA, M.N.

Experimental preparation and studies of antismallpox gamma globulin  
[with summary in English]. Vop.virus, 3 no.6:338-341 H-D '58.  
(MIRA 12:1)

1. Institut vaktsin i sverotok imeni Mechnikova, Moskva.

(SMALLPOX, immunology,  
anti-smallpox globulin (Rus))  
(GAMMA GLOBULIN,  
anti-smallpox (Rus))



EXCERPTA MEDICA Sec 4 Vol 12/5 Med. Micro. May 59

1379. USE OF THE HAEMAGGLUTINATION-INHIBITION TEST FOR DIAGNOSIS  
OF SMALLPOX (VARIOLA VERA) (Russian text) - Marennikova S. S.  
VOPR. VIRUSOL. 1958, 2 (74-78) Tables 3

The titres of haemagglutination-inhibition tests in patients increase in the course  
of illness, reach their peak by the 12-26th day from the onset and then gradually  
decline. Especially high titres are noted between the 12th and 15th day of illness.  
(IV. 17)

USSR / General Problems of Pathology. Immunity.

U

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102399.

Abstract: streptomycin were added. In all cases, a decrease of antibody production was noted. In introduction of penicillin in the course of 7 days, 24 hours after vaccination, the decrease of the intensity of antibody production was also observed.

Card 2/2

USSR / General Problems of Pathology. Immunity.

U

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102399.

Author : Marennikova, S. S.; Akatova, E. M.

Inst : Moscow Scientific Research Institute of Vaccines  
and Sera.

Title : On the Problem of the Influence of Antibiotics  
on the Production of Antibodies in Animals (Prelim-  
inary Report).

Orig Pub: Tr. Mosk. n.-i. in-ta baktsin i syvorotok, 1957,  
9, 208-213.

Abstract: Rabbits were immunized subcutaneously and intra-  
venously with the virus of smallpox vaccine, which  
was adapted to chicken embryos. 10-30 min. before  
introduction, per 1 ml of smallpox vaccine, 250-  
1000 units of penicillin, and up to 1000 units of

Card 1/2

17

USSR / Virology. Human and Animal Viruses. Viruses of the Pox Group. E-3

Abs Jour : Ref Zhur- Biol., No 20, 1958, No 90648

Authors : Marennikova, S. S.; Mastyukova, Yu. N.; Ogorodnikova, Z. I.

Inst : Moscow Scientific Research Institute of Vaccines and Sera

Title : A Study of Inoculability of the Smallpox Vaccine Virus Cultivated in Developing Chicken Embryos.

Orig Pub : Tr. Mosk. n.-i. in-ta vaktsin i syvorotok, 1957, 9, 144-147.

Abstract : The smallpox vaccine virus was cultivated in chicken embryos in the course of 319 consecutive passages. The virus retained its high inoculability, for children. The vaccination process proceeded as in immunization with dermovaccine.

Card 1/1

USSR / Virology. Human and Animal Viruses. Viruses of the Pox Group. E-3

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 90662

Authors : Marennikova, S. S.; Uspenskiy, F. N.; Maksimova, H. A.  
Inst : Moscow Scientific Research Institute for Vaccines and Serums.

Title : An Experiment in the Mass Application of a New Smallpox Vaccine (Egg Vaccine) in the City of Yaroslav.

Orig Pub : Tr. Mosk. n.-i. in-ta vaktsin i syvorotok, 1957, 9, 141-143.

Abstract : No abstract.

Card 1/1

MARENNIKOVA, S.S.

USSR / Virology. Human and Animal Viruses. Viruses of the Pox Group. E-3

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 90654

Author : Marennikova, S. S.  
Inst : Moscow Scientific Research Institute for Vaccines and Sera.  
Title : Theoretical Foundations for Smallpox Ovovaccinia Production.

Orig Pub : Tr. Mosk. n.-l. in-ta vaktsin i syvorotok, 1957, 9, 129-140.

Abstract : Ovovaccinia (OV) was obtained from chick embryos (CE) infected with high concentration vaccine virus on the chorioallantoic membrane (CAM) or in the allantoic cavity. OV was no less active than dermovaccine. In drying OV horse serum was used as a stabilizing agent. As a preserving agent penicillin, streptomycin or their combination (300 and 250 units per one milliliter respectively) were used. OV retained its activity during  $12\frac{1}{2}$  -  $14\frac{1}{2}$  months of storage at  $4-20^{\circ}$ . At  $37^{\circ}$ , the

Card 1/2

MARENKOVA, S.S.; MASTYUKOVA, Yu.N.

Methods for a laboratory diagnosis of smallpox. Vop.virus. 2  
no.2:115-117 Mr-Ap '57. (MLBA 10:6)

1. Moskvoskiy institut imeni I.I.Mechnikova i kafedra virusologii  
TSentral'nogo instituta usoverashenstvovaniya vrachey, Moskva.  
(SMALLPOX, diag.  
laboratory methods (Rus))

MARENNIKOVA, S S

EXCERPTA MEDICA Sec.4 Vol.11/4 Med.Microb. etc. April 58

950. CULTURE OF SMALLPOX VIRUS AND VACCINE IN DEVELOPING CHICK EMBRYO (Russian text) - Marennikova S. S., Mastiukova Yu. N., Akatova E. M. and Ogorodnikova Z. I. I. M. Mechnikova Vaccine and Serum Inst. and Dept. of Virology of the Centr. Inst. for the Advancement of Med., Moscow - VOP. VIRUS. 1956, 6 (36-40) Tables 2 Illus. 2

Culture was carried out on 12-day-old chick embryo by placing the material on the chorio-allantoic membrane. During culture a difference in the pathogenicity of the 2 viruses to the chick embryo was detected. At a time when the vaccine virus starting from the first passage caused death in 100% of embryos, the smallpox virus was pathogenic to them only after the 3rd-6th passage. The lesions in the chorio-allantoic membrane varied during the first passage. Whereas the vaccine virus induced scattered whitish flat formations with irregular margins, the smallpox virus produced regularly distributed, dense, raised, clearly defined formations. In the further passages these differences were not observed. After a number of passages the smallpox virus, in contradistinction to the vaccine virus, showed complete or almost complete loss of ability to agglutinate chick erythrocytes. The infectivity of the smallpox virus in rabbits (Grot's intracutaneous test) was considerably less marked than that of the vaccine virus. The stated differences in the action of the 2 viruses can be of help in the differential diagnosis.

Kaulen - Moscow (S)



MARENNIKOVA, S.S.;

MARENNIKOVA, S.S.; MASTYUKOVA, Yu.N.

Methods of determining virulence of smallpox vaccine. Zhur.  
mikrobiol.epid. i immun. no.8:86-91 Ag '55. (MLRA 8:11)

1. Iz otdela virusov (zav.--prof. V.D.Solov'yev) Gosudarstvennogo kontrol'nogo instituta syvoretok i vaktsin( dir.--S.I.Didenko)  
(SMALLPOX, immunology,  
vaccine, determ. of virulence)  
(VACCINES AND VACCINATION,  
smallpox vaccine, determ. of virulence)

MARENHIKOVA, S.S.

Culture of vaccinia virus in chick embryo. Zhur.mikrobiol. epid.  
i immun. no.6:99-102 Je '55. (MLRA 8:9)

1. Iz Moskovskogo instituta vaktsin i syvorotok imeni I. I. Mechni-  
kova (dir.-A.P. Muzychenko)

(VACCINIA, viruses,  
culture in chick embryo)

(VIRUSES

vaccinia virus, culture in chick embryo)

MARENINKOVA, S S

Activity of acid phosphatase of the blood serum and organs, as well as of nucleotidases of mouse organs, under conditions of toxic action of the grippé virus on the organism. M. Kh. Khazanov, S. S. Marenikova, and T. D. Slavko. *Doklady Akad. Nauk S.S.S.R.* 4, 725-6 (1954).--The grippé virus, introduced intravenously, causes a considerable (up to 88%) increase of activity of acid phosphatase of the blood serum for some strains of the virus, and up to 3-fold increase for others. The acid phosphatase activity in the liver is unchanged in its activity, as is that of the spleen. The nucleotidases may show an increase of activity (liver and spleen) of up to 120%, but this occurs only with pure virus cultures. Amylase activity of the pancreas increases substantially under the action of grippé virus. G. M. K.

MARENNIKOVA, S. S.

KHAZANOV, M.Kh.; MARENNIKOVA, S.S.

~~Effect of influenza on activities of nucleotidase and acid phosphatase in mouse organs. Biol. eksp. biol. i med. 37 no.4: 43-47 Ap '54.~~  
(MERA 7:7)

1. Iz laboratorii biokhimii (zav. prof. V.I.Tovarnitskiy) Instituta virusologii (dir. prof. M.P.Chumakov)AMN SSSR i otdela virusov (zav. prof. V.D.Solov'yev) Kontrol'nogo instituta syvorotok i vaktsin (dir. S.I.Didenko)

(INFLUENZA, experimental,

\*metab. of nucleotidase & acid phosphatase in)  
(PHOSPHATASES,

\*acid phosphatase & nucleotidase, metab. in exper.  
influenza)