L 11259-63 EWT(m)/BDS--AFFTC/ASD

ACCESSION BR: AP5000596

8/0181/63/005/005/1238/1242

AMFHOR: Frantsevich, I. E.; Kalinovich, D. F.; Kovenskiy, I. I.; Smolin, M. D.

TIVE: Relative and total transfer of substance in metals under the influence of

direct current

SOURCE: Fizika tverdogo tela, v. 5, no. 5, 1963, 1238-1242

TCPIC TAGS: electrotransference, transference numbers, alloys, Ag, Zn

ABSTRACT: The total and fractional velocities of transference and the transference numbers were determined for Ag-Zn alloys. Measurements were made on alloys with 25, 35, and 50 atomic % zinc. Rods 1 mm in diameter and 70 mm long were used, the

trotransference is greater for silver than for zinc. In the third sample (the Cord 1/2

L 11259-63 ACCRSSION NR: AP3000596

Beta region of solid solution) the relations are reversed. The author concludes that in using radioactive tracers to measure the electrotransference of the two components of a binary alloy, it is sufficient to use tracer atoms of but one of the components. Only, art these of the components.

ASSOCIATION: Institut metallokeramiki i spetsial ny kh splavov, AN USSR, Kiev (Institute of Metal Ceramics and Special Alloys, Academy of Sciences UkrSSR)

SUBULTED: 110ct62

DATE ACQ: 11Jun63

ENCL: 00

SUB CODE: PH, ML

NO REP BOY: COL

OTHER: 002

1b/W/ Card 2/2

1 13029-63 EWT(1)/EWG(k)/EWP(q)/EWT(m)/BDS/EEC(b)-2 AFFTC/ASD/ ESD-3 Pz-4 AT/JD/HW-2/IJP(C) ACCESSION NR: AP3000625 S/0181/63/005/005/1423/1427

AUTHOR: Kovenskiy, I. I.

TITE: Electric displacement of injections in solid solutions

SOURCE: Fizika tyerdogo tela, v. 5, no. 5, 1963, 1423-1427

TOPIC TAGS: current carrier, conduction electron, conduction hole, alloy, C, Fe, Co, Ni, Ti, Ta, W, scattering

ABSTRACT: The author investigates the electric displacement of C in Fe, Co, Ni, current-carrier? lons: conduction electrons and holes. In these alloys the C was found to occur in the ionized state; the degree of ionization was determined for

found to occur in the ionized state; the degree of ionization was determined for each alloy (3.8, 2.6, 1.5, 4.0, 2.8, and 0.6 electron units respectively). The author considers the opinions of many investigators relative to the state and direction of displacement of C in various alloys, and he concludes that in austenite, at least, the ionization is positive and quadruple. By experiment and computation he finds the chief role in electrical displacement to occur by hole movement. In experiments at various temperatures (950-12000) the effect of holes proved to be greater than movement of electrons in all the alloys tested. Orig. art. has: 2 tables and 2 formulas.

Association: Inst. of Powder Metallurgy and Special Alloy, Academy of Cord 1/2/ Sciences, SSSR

samples, 0.5 mm in diameter and about 70 mm 1019, were proposed and in the middle part of each sample a thin layer of radioactive isotope and in the middle part of each sample a thin layer of radioactive isotope (Mo99 or W185) was deposited. The length of this coated segment was about 3 mm. The method of determining rate of movement of the radioactive zone has been described previously by D. F. Kalinevich, I. I. Kovenskiy, and M. D. Smolin (FIT, 3, 3367, 1961). Investigations were made in the temperature ranges 1773-2473K for W and 1973-2573K for Mo at 1000 intervals. At all temperatures the Mo ions migrated toward the anode, the W ions toward the cathode. The values for effective charges indicate that the predominant effect in transfer of W ions

Cord 1/2

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is hole movement, that of Mo ions, electron movement. The data show that a definite proportion of the electrons supplied to the collective fund by Mo atoms migrate to W atoms. These electrons apparently contribute to the partial builded up of an imperfect 3d band in the W atoms. Thus, a donor-acceptor interaction takes place in the alloy. Orig. art. has: 3 tables and 3 formulas.	A PROPERTY OF THE PROPERTY OF

Ukrainian SSR)	urgy and Special Alloys, Academy (
SUBMITTED: 02Jan63	DATE ACQs 01Ju163	ENCL: 00
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т. 111286 <u>-63</u> — Вир(q)/Бит	(m)/EDS AFFTC/ASD JD
ACCESSION ARE AP3003824	B/0185/63/008/007/0797/0798
AUTHOR: Kovens Lyty, I. I.	$\mathcal{L}^{\mathcal{L}}$
	on direction in titanium
SOURCE: Ukrayins'ky*y fizy*o	hmysy statrasl, v. 8, no. 7, 1963, 797-798

TOPIC TAGE: carbon diffusion, carbon-diffusion titanium-carbon alloy, hightemperature carbon-diffusion titanium alloy, carbon-diffusion temperature dependence, carbon-diffusion beta titanium, carbon-diffusion coefficient

ABSTRACT: The diffusion of carbon in a Ti-base solid solution containing 0.15 carbon has been investigated in the temperature range of 1293+1923K, i.e., above the temperature of the 8-to-0 transformation. The wire test specimens used were 0.5 mm in dismeter and 70 mm long and had a central some 10 mm long, which contained radioactive (1). Carbon distribution was uniform both along the length and cross section of the specimens. Table 1 of the Enclosure gives the values of the diffusion coefficient D calculated from the radioactivity-19 the values of the diffusion coefficient appearance of diffusion coefficients appearance can be expressed by the

SUBMITIKO: 09Feb63	DATE ACQ1 OSAUG63	ENGL: OL
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FRANTSEVICH, I.N. [Frantsevych, I.M.]; KALINOVICH, D.F. [Kalynovych, D.F.]; KOVENSKIY, I.I. [Kovens'kyi, I.I.]; SMOLIN, M.D.

Studying the diffusion of the components of a melybdenumtungsten alloy over a wide temperature range. Ukr. fiz. zhur. 8 no.9:1020-1025 S 63. (MIRA 17:8)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR, Kiyev.

ii 15557-63		ffro/ABD. 3D 8/0126/63/015/00	6/0940/094
accession NR: A			7
	kiy, I. I.; Samsonov, G. V.		70
TITLE: Electric	al resistivity of some transi	tion metals at high tempe	ratures
SOURCE: Fizika	metallov i metallovedeniye, i	v. 15, no, 6, 1963, 940-91	ď
TOPIC TAGS: tra	insition metal, electrical re	esistivity, high temperatu	irė
and compared. I	electrical conductivities of the samples were in the form	six transition metals were of wires. Their composit	measured Lon was:
1) 99,86%	Ni with C Co Cu Si Fe S		
2) 99.02%	NT N		
1.1 00.864	ri with C. W. Ni, Nb, Taly Zr;	Ur, U	
1 447 OX	Ta with C, Nb, W, Mg, Mo, Ni, W with C, Cu, Zn, Fe, Si, S,	亚亚亚亚州东部市共和国共和国共和国共和国共和国共和国共和国共和	
· · · · · · · · · · · · · · · · · · ·		상황원 5일 수 있다면 얼마가 되었다. 한 전 항상 하나 한 번 화원을 내려왔다. 그리고 아무리는 그 전기를	e. During
Electrical curre	ent was passed through the wi the temperature varied from	600 to 14000. The therma	l coeffi=

L 15557-63 ACCESSION NR: AP3002855		
and W-2.98. It was proviductivity is linear. The and electrical resistivit nickel and from titanium lowered accepting capacity	uctivity were calculated by the leagree): Fe-4.79; Co-4.29; M: 3.69; ed that the relation of temperature results showed that the magnitude y decreases at the transition from to tantalum to tungsten. This was to the d-electron levels of the magnitude of the magnitude.	Ti- 4.88; Ta- 3.73, to electrical con- of thermal coefficient iron to cobalt to explained by the
magnitude of the correspon	nding metals. Orig. art. has: 2 f	epting capacity igures.
magnitude of the correspon	oding metals. Orig. art. has: 211	epting capacity igures. row AN UkrSSR (<u>Institute</u> Ukrainian <u>SSR</u>)
magnitude of the correspon ASSOCIATION: Institut met of Powder Metallurgy and	nding metals. Orig. art. has: 2.f. callokeramiki i spatsial ny*kh splav Spacial Alloys, Academy of Sciences,	epting capacity igures.
magnitude of the correspon ASSOCIATION: Institut met of Powder Metallurgy and 5 SURMITTED: 27Nov62	nding metals. Orig. art. has: 2:f. callokeramiki i spatsial ny*kh splav Spacial Alloys, Academy of Sciences, DATE ACQ: 23Ju163	epting capacity igures. For AN UkrSSR (<u>Institute</u> Ukrainian SSR)

KALINOVICH, D.F.; KOVENSKIY, I.I.; SMOLIN, M.D.

Investigating electron transfer in binary metal alloys. Fiz. met. i metalloved. 16 no.2:232-235 Ag '63. (MIRA 16:8)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR. (Iron-aluminum alloys) (Electrons)

KOVENSKIY, I.I.

Diffusion of carbon in its solid solutions on an iron group metal base. Fiz. met. i metalloved. 16 no.4:613-614 0 '63.

(MIRA 16:12)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.

KALINOVICH, D.F.; KOVENSKIY, I.I.; SMOLIN, M.D.

Diffusion of the components of an iron-chromium alloy in a broad range of composition. Fiz. met. i metalloved. 16 no.4:619-620 0 '63. (MIRA 16:12)

1. Institut metallokeramiki i spetsial'nykh splavov AN UkrSSR.

ACCESSION FR: APACOGREA

8/0126/63/016/006/0904/0907

AUTHORS: Samsonov, G. V.; Kovenskiy, I. I.

TITIE: The state of carbon in the carbides of transition metals

SCHRCE: Firdka metrllov i metallovedeniye, v. 16, no. 6, 1963, 904-907

TOPIC TAGS: titanium, titanium carbide, tantalum, tantalum carbide, tungsten, tungsten carbide, iron, iron carbide, cobalt, cobalt carbide, nickel, nickel carbide, transition metal, carbide physical property

APSTRACT: The magnitude and the sign of the charges on carbon ions in solid alloys (on Ti, Ta, W, Fe, Co and Ni base) were calculated from the experimental data. It was desired to find the correlation between these values and certain physical properties of the corresponding carbides. It was determined that C atoms in these and C atoms. It was also established that: 1) the metallic bonds prevailed between the metal much smaller than that in Ti and Ta. This was explained by the nature of statistical electron redistribution; 2) in the series Fe-Co-Ni the C charge decreased with the amount of heat generated during the formation of carbides decreased from Ti to

Card 2/2

ACCESSION NR: AT4045011

B/0000/64/000/000/0171/0176

AUTHOR: Frantsevich, I. N.; D. F., Kalinovich; I. I. Kovenskiy; M. D. Smolin

TITLE: Study of the passage of electricity through metallic solid solutions

SOURCE: Soveshchaniye po probleme Izpol'zoyaniye atomnoy energii, Kiev, 1961. Radiatsionnaya avtomatika, izotopy* i yaderny*ye izlucheniya v nauke i tekhnike (Radiation automation control systems, isotopes, and nuclear radiation in science and technology); doklady* soveshchaniya. Kiev, Izd-vo AN UkrSSR, 1964, 171-176

TOPIC TAGS: electroconductivity, solid solution, solid solution conductivity, metal solid solution, ion migration, electron density, electron vacancy, hole

ABSTRACT: The Institut metallokeramiki i spetsial'ny*kh splavov AN USSR (Institute of Powder Metallurgy and Special Alloys, AN Ukr. SSR) has worked out a method for studying the passage of electricity through solids by means of radioactive isotopes. This method makes it possible to study such passage not only in extrinsic elements but also in basic alloys. Some of the binary systems studied were: iron-carbon, nickel-chromium, cobalttungsten, nickel-tungsten, molybdenum-chromium, silver-palladium, etc. The radioactive isotopes used included carbon-14, iron-55, nickel-63, silver-110, etc. The experimental method has been discussed in an earlier paper by the same authors. According to

Card 1/3 .

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825630002-5"

KALINOVICH, D.F. [Kalynovych, D.F.]; KOVERSKIY, I.I. [Kovens'tyl, I.I.]; SMOLIN, N.D.

Partial and total mass transfer in the nickel-chronium system.
Ukr. fiz. zhur. 8 no.11:1259-1260 N 164. (MIRA 17:9)

1. Institut metallokeramiki i spetsial'nykh splavov AH UkrSSR, Kiyev.

KALINOVICH, D.F.; KOVENSKIY, I.I.; SMOLIN, M.D.

Electrolysis in the system tungsten -- molyhdenum. Elektrokhimiia 1 no.12:1488-1490 D '65.

(MIRA 19:1)

1. Institut problem materialovedeniya AN UkrSSR. Submitted March 30, 1965.

I. LILESS-66 ENT (m)/T/ENP(t)/ENP(z)/ENP(D)/ENA(D) TUT(U) VENT

UR/0185/65/010/008/0917/0919

ACC NR: AP5020694

AUTHOR: Kalynovych, D. P.: Kovens'kyy, I. I.; Smolin, M. D.

TITIE: Diffusion mobility in solid solutions of nickel in iron

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no 8,71965, 917-919

TOPIC TAGS: nickel containing alloy, metal diffusion, solid solution

ABSTRACT: The diffusion of both components of two nickel-iron alloys with a nickel content of 2 and 4 at.% was investigated. A previously described method (Ukr. fizycha zh. v. 8, 1020, 1963) was used, employing wires 0.05 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing wires 0.05 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing wires 0.05 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing wires 0.05 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing wires 0.05 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing vires 0.5 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing vires 0.5 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing vires 0.5 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing vires 0.5 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. V. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. v. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. V. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. V. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. V. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. V. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. V. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. V. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. V. 8, 1020, 1963) was used, employing vires 0.05 mm in diameter and about 70 mm zh. V. S. V. V. V. V. V. V. V. V.

ASSOCIATION: Instytut problem materialoznavstva AN URSR [Institut problem materialovedeniya AN UkrSSR] (Materials Research Institute, AN UkrSSR)

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"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5

CC NR: AP5020694 SUBMITTED: 15Mar65	ENCL: 00	SUB CODE! SS, MM
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EWT(m)/T/EWP(t)/EWP(b)/EWA(c) DIAAP/IJP(c) L 13116-66 JD/JG ACC NRI AP6002030 SOURCE CODE: UR/0185/65/010/012/1365/1367 AUTHORS: Kalynovych, D. F. (Kalinovich, D. F.); Kovens'kyy, I. I. (Kovenskiy, I. I.); Smolin, M. D. ORG: Institute of Materials Science Problems AN UkrSSR, Kiev (Instytut problem materialoznavstva AN URSR) TITLE: The mobility of atoms, in a molybdenum-tungsten alloy SOURCE: Ukrayins kyy fizychnyy zhurnal, v. 10, no. 12, 1965, 1365-1367 TOPIC TAGS: molybdenum alloy, tungsten containing alloy, physical diffusion ABSTRACT: Radioactive isotopes of Mo99 and W185 were used to study the diffusion of the two components of an alloy of molybdenum and 35 at. % tungsten every 1000 in a temperature range 1500 -- 24000. The samples were in the form of wires 0.5 mm in diameter and about 70 mm long, the central portions of the surfaces of which were specially treated and then electrolytically covered with the radioactive isotope whose diffusion was studied. After heating of the samples with alternating current in a helium atmosphere at a certain temperature which assured a sufficiently high diffusion mobility of the investigated component, a uniform distribution of this isotope over the cross section was obtained 1/2

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ACC NR: AP6002030

The distribution of the radioactivity was then determined along the sample. After additional annealing at another temperature the activity distribution was measured along the sample. Two diffusion curves were thus obtained for each sample. In spite of the considerable range of temperature, the diffusion coefficients fit well the usual relation $D = D_0 \exp(-E/RT)$, with $D_0 = 6.9$ and 28 and E = 85,000 and 92,000 for W and Mo, respectively. The data indicate an increase in the activation energy of diffusion of tungsten with increasing tungsten content in the alloy. Orig. art. has: 2 tables and 3 formulas.

SUB CODE: 20/ SUB DATE: 26Dec64/ ORIG REF: 006/ OTH REF: 003

Cord 2/2

ACC NR: AP6012441

SOURCE CODE: UR/0364/65/001/012/1488/1490

AUTHOR: Kalinovich, D. F.; Kovenskiy, I. I.; Smolin, M. D.

ORG: Institute of Problems of Materials Science, Academy of Sciences UkrSSR (Institute problem materialovedeniya Akademii nauk SSSR)

TITLE: Electrolysis in the tungsten-molybdenum system

SOURCE: Elektrokhimiya, v. 1, no. 12, 1965, 1488-1490

TOPIC TAGS: tungsten containing alloy, molybdenum containing alloy

ABSTRACT: An investigation was made of partial and total transport of matter in tungsten alloys containing 0.1, 15, 20, 25, 35 and 50 atm % of Mo. Specimens in the form of wire segments 0.5 mm in diameter and about 70 mm long were electroplated in their central part with a thin film of radiotracer Mo⁹⁹ or W¹⁸⁵. The length of the deposited layer was 2-3 mm. A special homogenizing annealing of the specimens insured uniform distribution of atoms along the cross section. The starting position of the tagged zone was measured with respect to the end of the specimen. A marker was made in order to measure the total transport in the center of the specimen. Constant current was passed through specimens in an inert atmosphere. The magnitude of current was regulated by rheostats and the temperature was controlled by an optical pyrometer. After completion of the heating, the distribution of tagged atoms was again measured

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Card 1/2

ACC NR: AP6012441

along the length of the wire. On the basis of these measurements it was possible to calculate the rate of transport v^4 , where the total rate of transport v consists of two components

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where w is the rate of displacement of the central part. In all the investigated alloys, molybdenum migrated to the anode and tungsten to the cathode. In tungsten alloys containing 15, 20 and 25% No the latter is predominantly involved in transport. In the first alloy (0.1% Mo) almost all of the material transport occurs due to tungsten. In tungsten alloys containing 35 and 50% No at 2000°C, inversion of the sign of the overall transport takes place. Below this temperature transport of molybdenum predominates and above it the transport of tungsten becomes predominant. In the first of these two alloys, transport of both components is practically equal to 2200°C.

SUB CODE: 11,07/ SUBH DATE: 30Har65/ ORIG REF: 004/ OTH REF: 005

Card 2/2

ACC NR. AP6036901 (A) SOURCE CODE: UR/0226/66/000/011/0057/0061
APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5"
AUTHOR: Kalinovich, D. F.; Kovenskiy, I. I.; Smolin, M. D.

ORG: Institute for Problems in Science of Materials, AN UkrSSR (Institut problem materialovedeniya AN UkrSSR)

TITLE: High-temperature mobility of atoms of components in a molybdenum-tungsten system

SOURCE: Poroshkovaya metallurgiya, no. 11, 1966, 57-61

TOPIC TAGS: molybdenum, tungsten, high temperature effect

ABSTRACT: An investigation was made of the diffusion of two components in eleven alloys of the molybdenum-tungsten system, containing 0.1, 15, 20, 25, 35, 50, 65, 75, 80, 85, and 99.9 at % of tungsten. The temperature range of experiments, carried out with the aid of Mo⁹⁹ and W¹⁸⁵ tracers, was 600—1000C. The values of D_O and E (in cal/mol) were calculated for all the alloys used for the investigation. Orig. art. has: 3 formulas and 3 tables. [Based on authors' abstract]

SUB CODE: 11/SUBM DATE: 03Mar66/ORIG REF: 006/OTH REF: 002/

KOVENSKIY, Ye.

Utilization of State Bank loans is an important lever in technical progress. Rech. transp. 21 no.12:47 D '62.

(MIRA 15:12)

1. Inzhener po novoy tekhnike sluzhby promyshlennykh predpriyatiy Volzhskogo ob"yedinenhogo rechnogo parokhodstva. (Credit)

KOVENSKIY, Ye.

Develop a power supply network for ship repair enterprises. Rech. transp. 22 no.5:53 My *63. (MIRA 16:8)

1. Starshiy inzh. tekhnicheskogo otdela Volzhskogo obwyedinennogo rechnogo parokhodstva.

(Ships-Maintenace and repair)

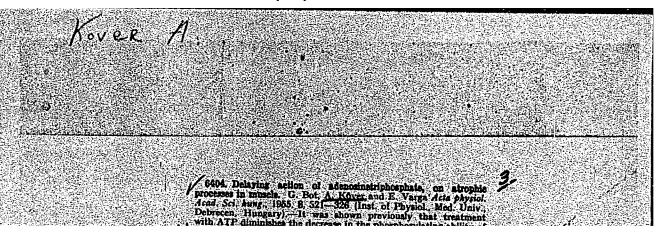
(Electric power)

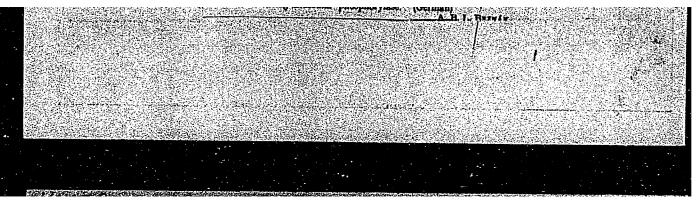
KOVER, A.

Went, I.; Varga, E.; Kover, A.

"Blood Histamine Contents of Chronic Hypertensive Dogs." p. 62. (Acta Physiologica. Supplement to v. 4, 1953, Budapest)

SO: Monthly List of East European Accessions. Vol 3 No 6 Library of Congress, Jun 54, Uncl.





SZENTIVANYI, Matyas; KOVER, Andras

Influence of gangliotropic substances on the bi-phasic effect of acetylcholine and epinephrine. Kiserletes orvostud. 8 no.2: 140-148 March 56.

HUNGARY/Human and Animal Physiology - Metabolism. Ferments.

T-1

Abs Jour

: Ref Zhur - Biol., No 18, 1958, 83947

Author

: Varga, E., Kover, A., Kovacs, T., Hetenyi, E.

Inst

: Hungarian Academy of Sciences.

Title

: Changes of Cholinesterase Activity in Striated Muscles

after Denervation,

Orig Fub

: Acta physiol. Acad. sci. hung., 1957, 11, No 3-4, 235-242

Abstract

: At various times after unilateral severence of sciatic nerves in dogs and rabbits, quantity of myosin, activity (Λ) of myosincholine-sterase (Ι), i.e., ability of myosin to hydrolize acetylcholin into the sum total of Λ cholinesterase (ΙΙ) of muscles, were determined in intact and denervated gastrochemius muscles. According to the difference between the last two measurements, Λ of true cholinestear-

se (III) was inferred. It was shwon that it is

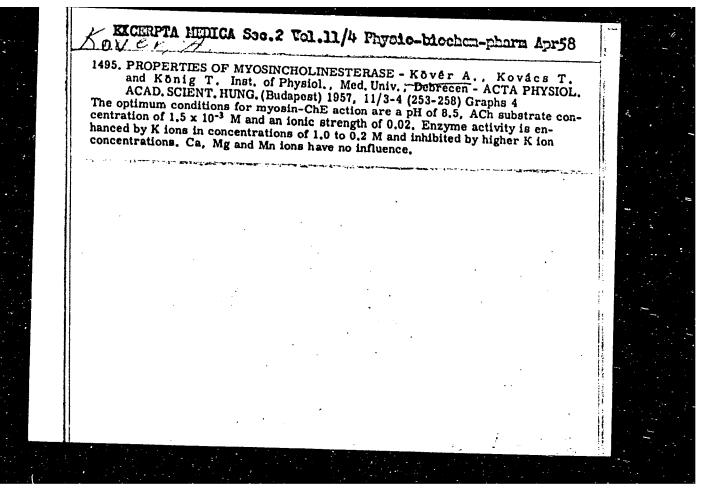
Card 1/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5

B-4 COUNTRY : Hungary CATEGORY ABS. JOUR. : RZBiol., No. / 1959, No. 281 AUTHOR IMST. : Changes in the Acetylcholine-Sensitivity and TIPLE Cholinesterase Activity of Skeletal Muscles in the Course of Ontogenesis. ORIG. PUB.: Acta physiol. Acad. sci. hung., 1957, 11,

No 3-4, 243-251

ABSTRACT: During the first days of postembryonic life the activity of acetyl-cholinesterase (I) of striated skeletal muscles of rabbit is considerably increased, reaching a maximum by the 7th day, after which is drops gradually, although on the 46th day it exceeds by about 3 times the norm which has been determined in adult animals. Relatively lesser changes are exhibited by the myosin-cholinesterase (II); its activity exceeds by about 3 times the norm during the first days following birth, it reaches a relatively constant level, without a sharply manifested maximum, then decreases gradually. However, on the 46th day it still exceeds the norm. Total activity of CARD: 1/2 Ind. Physiology, Wed Unio Debrecen



KOVER, A.; BALLA, L.B.; PUSZTAI, L.

Automatic apparatus for biological titration. Acta physicl. hung. 11 no.3-4:363-370 1957.

1. Physiologisches institut der medizinischen universitat, Debrecen.
(BIOCHEMISTRY, appar. & instruments
automatic appar. for titration of substances on surface
of isolated organs (Ger))

KOVER, A.

Changes of cholinesterase activity of cross-striated muscles after motor denervation. Acta physiol. hung. 11(Suppl):14-15 1957.

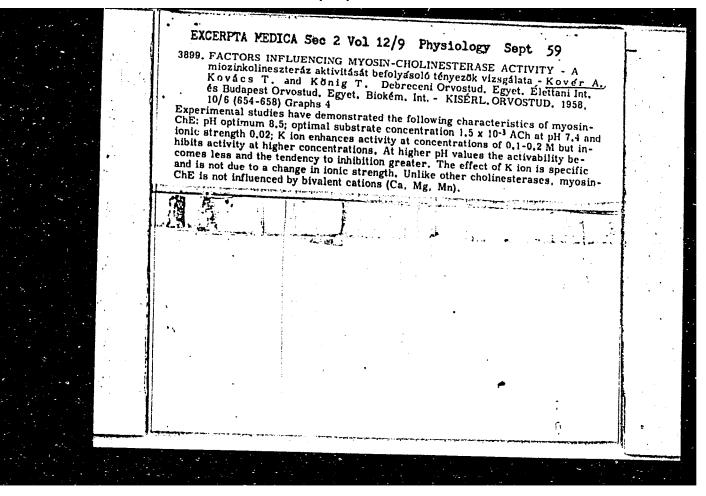
1. Physiologisches Institut der Medizinischen Universitat, Debrecen. (MUSCIES, physiol. eff. of motor denervation on cholinesterase activity in cross-striated musc. (Ger))

(CHOLINESTERASE

in cross-striated musc., eff. of motor denervation on activity (Ger))

Specificity of myosin-cholinesterase. Acta physiol. hung. 11(Suppl): 16-17 1957. 1. Physiologisches Institut der Medizinischen Universitat, Debrecen. (CHOLINESTERASE myosin-cholinesterase inhibitors & specificity (Ger)) (MUSCLE PROTEINS, metab. same)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5



SZILAGYI, Tibor; KOVER, Andras; CSABA, Bela

Effect of hypothermia on histamine liberation under the influence of adrenalin. Kiserletes Orvostudomany 12 no.1:26-29 F '60.

1. Debreceni Orvostudomanyi Egyetem Korelettani es Elettani Intezetei.

(HISTAMINE physical) (HYPOTHERMIA INDUCED eff) (EPINEPHRINE pharmacol)

KOVER, A.; BEREGSZASZY, Gy.; NOLNAR, Gy.; WENT, I.

Pressor-depressor counterregulation in experimental hypertension induced by various methods. Acta physiol.hung. 18 no.1:37-45 '60.

1. Institute of Physiology, Medical University, Debrecen.
(HYPERTENSION exper)
(BLOOD PRESSURE, physiol)

CSABA, Bela; BEREGSZASZI, Gyula; KOVER, Andras; CSONGOR, Jozsef; SZILAGYI, Tibor

The histamine content of guinea pig ileum in Schultz-Dale reaction. Acta physiol Hung 20 no.2:165-170 '61.

1. Institute of Pathophysiology and Institute of Physiology, Medical University, Debrecen.

1

HUNGARY

VARCA, S.; KCVER, A.; KOVACS, T.; JCKAY, I.; SZILAGYI, T.; Medical University of Debrecen, Institute of Physiology and Pathology (Debreceni Drvostudomanyi Egyetem Elettani es Korelettani Intezete)

"Differentiation of Myosias Extracted From Tonic and Tetanic Muscles Rused on Their Antigenic Properties."

Sudapest, Kiserletes Orvostudomany, Vol XIV, No 6, 1962, pp 593-599.

<u>ibstract</u>: [Authors' summary] Based on immunological determinations, the <u>Buthors</u> concluded that

l. myosin is a class-specific antigen,

2. the myosin which exhibits a relatively high cholinesterase and a low adenosinetriphosphatase activity and is obtained from tonic muscles had a structure different from that of the myosin obtained from tetanic muscles.

[Of 25 references, about 9 are Soviet-bloc, 16 Western]

1/1

25

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5

VARGA, E.; KOVER, A.; KOVACS, T.; JOKAY, I.; SZILAGYI, T.

Differentiation of myosins extracted from tonic and tetanic muscles on the basis of their antigenic properties. Acta physiol. acad. sci. hung. 22 no.1:21-28 162.

1. Institute of Physiology and Institute of Pathophysiology, Medical University, Debrecen.

(ADENOSINE TRIPHOSPHATASE) (ANTIGENS) (MUSCLES)

VARGA, E.; KOVER, A.; KOVACS, T.; SZABOLCS, M.; JOKAY, I.

The myosin structure of the different types of muscle. Acta physiol. acad. sci. hung. 22 no.2:119-123 '62.

l. Institute of Physiology, Central Research Laboratory, Institute of Pathophysiology, Medical University, Debrecen.

(ADENOSINE TRIPHOSPHATE) (MUSCLES)

1./1.

KOVER, A.; KONYA, L.; KOVACS, L.; SZOOR, A.

Positive inotropic action of cholinesterase on the hypodynamic frog heart. Acta physiol. acad. sci. hung. 22 no.2:145-153 762.

1. Institute of Physiology, Medical University, Debrecen. (CHOLINESTERASE) (HEART)

CSABA, Bela; SZILAGYI, Tibor; KOVER, Andras; CSONGOR, Jozsef

Data on the mechanism of action of 48/80. Kiserl. orvostud. 15 no.5:457-464 0 '63.

1. Debreceni Orvostudomanyi Egyetom Korelottani es Elettani Intezete.

(SYMPATHOMIMETICS) (BLOOD PRESSURE DETERMINATION)
(HISTAMINE LIBERATION) (ACETYLCHOLINE)
(HYPOTENSION, CONTROLLED)

CSABA, Bela; SZILAGYI, Tibor; DAMJANOVICH, Sandor; KOVER, Andras

The role of histamine in anaphylactic shock in the dog. Kiserl. orvostud. 15 no.5:465-470 0 163.

1. Debreceni Orvostudomanyi Egyetem Korelettani es Elettani Intezete.

(ANAPHYLAXIS) (HISTAMINE LIBERATION)
(LIVER FUNCTION) (BLOOD CHEMICAL ANALYSIS)
(LUNG) (HYPOTENSION, CONTROLLED)

HURGARY

OSARA, Bela, MITLAGYT, Tibor, KCVTA, Andras, CSONGCR, Jozsef; Medical University of Debrecen, Institute of Physiology and Pathophysiology (Debreceni Orvostudomanyi Egyetem, Elettani es Korelettani Intezete).

"Data on the Action Mechanism of 48/80."

Budapest, Kiserletes Cryostudomany, Vol XV, No 5, Oct 63, pages 457-464.

Abstract: [Authors' Hungarian summary modified] The effect of \$h6/80\$ has been investigated in various animals and some data obtained on its mechanism of action. On frog heart, \$48/80\$ is ineffective by itself but adheres firmly to the acetylcholine receptors. The decrease of acetylcholine sensitivity after pre-treatment with \$48/80\$ can be explained by this property. If \$48/80\$ is given after the acetylcholine, the effect of the latter ceases promptly. On the intestines of rabbits, \$48/80\$ has an effect similar to acetylcholine. There is a competitive inhibition between the effect of \$48/80\$ and acetylcholine. Previous treatment with hexamethonium bromide or atropine inhibits the effect of both compounds. Guinea pig ileum, with added \$48/80\$, exhibits an increased motor activity. The Schulz-Dale reaction of the passively sensitized intestine is not influenced by an incubation with \$48/80\$. In dogs, i.v. infusion of \$48/80\$ causes a severe drop of blood pressure which is caused by the liberated histamine that enters the blood stream. 2 Hungarian, 20 Western references.

1/1

ĆSABA, Bela; SZILAGYI, Tibor; DAMJANOVICH, Sandor; KOVER, Andras

The role of histamine in peptone shock in the dog. Kiserl. orvostud. 15 no.5:471-477 0 *63.

1. Debreceni Orvostudomanyi Egyetem Korelettani es Elettani Intezete.

(SHOCK, TOXIC) (PEPTONES)
(HISTAMINE LIBERATION)
(BLOOD CHEMICAL ANALYSIS)
(LIVER FUNCTION TESTS)
(BLOOD PRESSURE DETERMINATION)
(ANAPHYLAXIS) (HYPOTENSION, CONTROLLED)

CSABA, Bela; SZILAGYI, Tibor; DAMJANOVICH, Sandor; KOVER, Andras

Effect of 48/80 on anaphylactic and peptone shock in the dog. Kiserl. orvostud. 15 no.5:478-484 0 163.

1. Debreceni Orvostudomanyi Egyetem Korelettani es Elettani Intezete.

(HISTAMIN LIBERATION) (ANAPHYLAXIS)
(SHOCK, TOXIC) (PEPTONES)
(ANTIGEN-ANTIBODY REACTIONS)
(BLOOD CHEMICAL ANALYSIS)
(LIVER FUNCTION TESTS)
(ANTIHYPERTENSIVE AGENTS)
(SYMPATHOMIMETICS)
(HYPOTENSION, CONTROLLED)

CSABA, Bela; SZILAGYI, Tibor; DAMJANOVICH, Sandor; KOVER, Andras

Effect of hypothermia on anaphylactic and peptone shock in the dog. Kiserl. orvostud. 15 no.5:485-491 0 63.

l. Debreceni Orvostudomanyi Egyetem Korelettani es Elettani Intezete.

(HYPOTHERMIA, INDUCED) (ANAPHYLAXIS) (SHOCK, TOXIC) (PEPTONES) (CHLORPROMAZINE) (HISTAMINE LIBERATION)

KOVER, A.; SZABOLCS, M.; BENKO, K.

-Studies of the physicochemical and enzymochemical properties of structural proteins extracted from fish muscle. I. Lability, enzymochemical and structural properties of fish myosin. Acta physiol. acad. sci. hung. 23 no.3:229-237 163.

1. Institute of Physiology and Central Laboratory, Medical University, Debrecen.

(ADENOSINE TRIPHOSPHATASE) (CHOLINESTERASE)
(MUSCLE PROTEINS)

SZABOLCS, M.; KOVER, A.; BENKO, K.

Studies of the physicochemical and enzymochemical properties of structural proteins extracted from fish muscle. II. The effect of changes in the conditions of extraction of the homogeneity and enzymatic activity of fish myosin preparations. Acta physiol. acad. sci. hung. 23 no.3:239-245 63.

1. Central Laboratory and Institute of Physiology Medical University, Debrecen.

(ADENOSINE TRIPHOSPHATASE) (MUSCLE PROTEINS) (CHOLINESTERASE) (MAGNESIUM)

HUNGARY

SZOOR, Arpad, KOVER, Andras, KOVACS, Tibor; Medical University of Debrecen, Institute of Physiology (Debreceni Orvostudomanyi Egyetem, Elettani Intezet).

"Preparation of True Cholinesterase From the Striated Muscle of the Rabbit."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIII, No 4, 1963, pages 333-337.

Abstract: [English article, authors' English summary] Myosin-free cholinesterase has been prepared from the striated muscle of rabbits. The overall purification was about 20-fold. As regards substrate specificity and substrate inhibition, the purified preparation belongs to the group of true cholinesterases. 12 Western, 5 Eastern European references.

1/1

Anaphylactic shock and peptone shock in the dog. I. The role of histamine in anaphylactic shock. Acta physiol. acad. sci. hung. 23 no.4:363-369 *63.

1. Institute of Pathophysiology and Institute of Physiology, Medical University, Debrecen.
(ANAPHYLAXIS) (PEPTONES) (HISTAMINE LIBERATION

(ANAPHYLAXIS) (PEPTONES) (HISTAMINE LIBERATION)
(HISTAMINE) (BLOOD PRESSURE) (KYMOGRAPHY)
(LIVER CIRCULATION) (LUNG) (BLOOD CHEMICAL ANALYSIS)

Anaphylactic shock and peptone shock in the dog. III. Effect of compound 48/80 on anaphylactic shock and peptone shock. Acta physiol. acad. sci. hung. 23 no.4:379-385 '63.

1. Institute of Pathophysiology and Institute of Physiology,
Medical University, Debrecen.

(ANAPHYLAXIS) (PEPTONES)

(ANAPHYLAXIS) (PEPTONES)
(ANTIHYPERTENSIVE AGENTS) (HISTAMINE LIBERATION)
(BLOOD PRESSURE) (LIVER CIRCULATION)
(HEPATIC ARTERY) (IMMUNE SERUM)
(HISTAMINE) (BLOOD CHEMICAL ANALYSIS)

Anaphylactic shock and peptone shock of the dog. IV. Effect of hypothermia on anaphylactic shock and peptone shock. Acta physiol. acad. sci. hung. 23 no.4:387-395 163.

1. Institute of Pathophysiology and Institute of Physiology, Medical University, Debrecen.

(ANAPHYLAXIS) (PEPTONES) (HYPOTHERMIA, INDUCED)
(HISTAMINE LIBERATION) (ANTIGENS)
(BLOOD PRESSURE) (LUNG) (CHLORPROMAZINE)
(BODY TEMPERATURE) (IMMUNE SERUM) (LIVER)
(HISTAMINE) (BEGOD CHEMICAL ANALYSIS)

HUNGARY

CSABA, Bela, SZILAGYI, Tibor, KOVER, Andras, CSONGOR, Jozsef; Medical University of Debrecen, Institutes of Pathophysiology and Physiology (Debreceni Orvostudomanyi Egyetem, Korelettani es Elettani Intezetei).

"Data on the Mode of Action of 48/80."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIII, No 4, 1963, pages 397-405.

Abstract: [English article, authors' English summary] The effects of 48/80 have been examined in various tests and information has been obtained as to its mode of action. It has been shown that, in the frog's heart, 48/80 by itself is inactive, but it is linked firmly to the acetylcholine receptors. This property may explain the decrease of sensitivity to acetylcholine after pretreatment with 48/80. Given after the administration of acetylcholine. 48/80 promptly suspends its effect. The compound acts on the rabbit's intestine like acetylcholine. 48/80 and acetylcholine inhibit each other's actions competitively. Pretreatment with hexamethonium bromide or atropine blocks the effect of 48/80 and of acetylcholine. Added to the guinea pig ileum, 48/80 increases motor activity, presumably by dual action: by causing a release of histamine from the intestinal wall, a small part of which escapes into the bath, and by stimulating the intramural ganglia of the intestine. After incubation with 48/80, the Schultz-Dale reaction takes place in the passively sensitized intestine. After the Schultz-Dale reaction or incubation with 48/80, as well as after incubation with 48/80 and the specific antigen, the histamine content of the passively sensitized ileum seg-1/2

HUNGARY

APPROVED FOR RELEASE : 2060414/12000 ienteraurispes 138000825630002-5"
4. 1963, pages 397-405.

ments is significantly more than in the control segments. Dogs anaesthetized with chloralose respond to the intravenous administration of 1 mg/kg of 48/80 with a considerable fall of blood pressure. This hypotension is produced by the histamine released in large quantities by 48/80 and entering the blood stream. 2 Hungarian, 20 Western references.

SZOOR, A.; KOVER, A.; POHANKA, O.

Studies of the specificity of muscle. Cholinesterases. I. The role of active anionic sites. Acta physiol. acad. sci. Hung. 24 no.2:157-163 *63.

1. Institute of Physiology, Medical University, Debrecen.

(CHOLINESTERASE)
(DECAMETHONIUM COMPOUNDS)
(PENTAMETHONIUM COMPOUNDS)
(CHEMISTRY) (MUSCLE PROTEINS)
(HYDROGEN-ION CONCENTRATION)
(MUSCLES)

Anaphylactic shock and peptone shock in the dog. II. The role of histamine in peptone shock. Acta physiol. acad. sci. hung. 23 no.4:371-378 63.

1. Institute of Pathophysiology and institute of Physiology,
Medical University, Debrecen.

(ANAPHYLAXIS) (PEPTONES) (HISTAMINE LIBERATION)

(LIVER CIRCULATION) (BLOOD PRESSURE)

(HISTAMINE) (SURGERY, OPERATIVE) (TISSUE CULTURE)

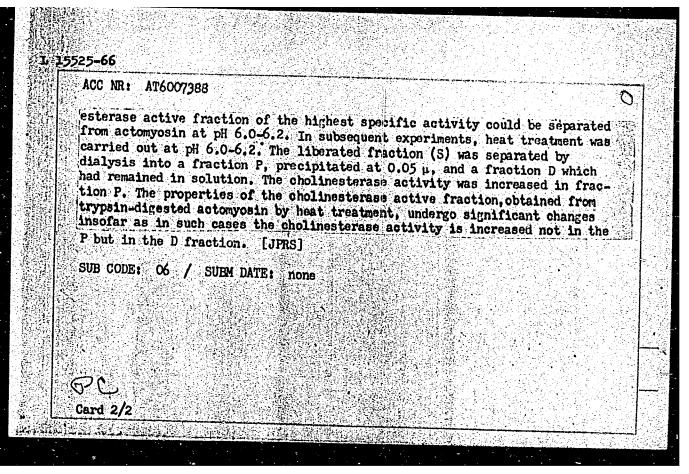
(HEPATIC ARTERY) (LUNG) (IMMUNE SERUM)

SZOOR, A.; KOVER, A.; KOVACS, T.

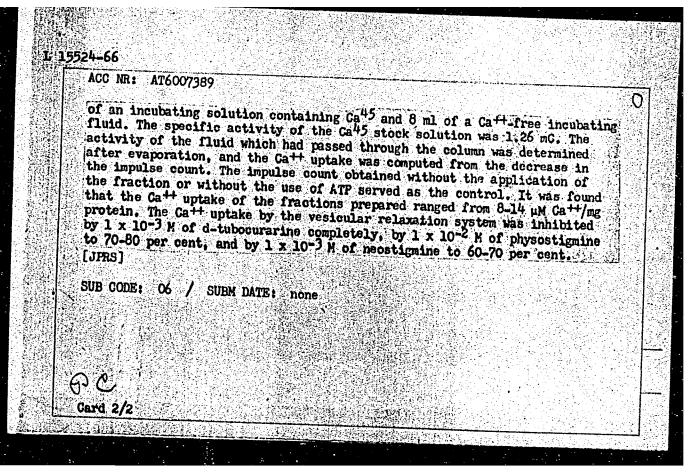
Studies of the specificity of muscle cholinesterases. Acta physiol. acad. sci. Hung. 24 no. 2:165-169 '63.

1. Institute of Physiology, Medical University, Debrecen.

EWA(j)/EWA(b)-2 RO SOURCE CODE: HU/2505/65/026/00X/0016/0017 ACC NR: AT6007388 AUTHOR: Szoor, A.; Szabolcs, M.; Kover, A. ORG: Institute of Physiology and Central Laboratory, Medical University of Debrecen (Debreceni Orvostudomanyi Egyetem, Elettani Intezet es Kozponti Laboratorium) Laboratorium) Effect of heat on the cholinesterase activity of actomyosin [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July: 1964] SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 16-17 TOPIC TAGS: muscle physiology, protein, heat biologic effect, enzyme, rabbit, biochemistry It has been investigated whether the presence of actin would modify the ultracentrifugal homogeneity and the distribution of cholinesterase activity of the fractions obtained by heat treatment from a myosin solution. Pure actomyosin with a cholinesterase activity between 15-30 µg acetylcholine/mg protein/hr was prepared from striated muscles of the rabbit. On exposure to 530 at pH 5.0-8.0 for 5 minutes, the cholin-Card 1/2



EWA(j)/EWA(b)-2L 15524-66 RO ACC NR: AT6007389 SOURCE CODE: HU/2505/65/026/00X/0017/0017 AUTHOR: Kover, A.; Szabolcs, M.; Dezso, Cy. ORG: Central Research Laboratory, Institute of Physiology, Medical University of Debreceni Orvostudomanyi Egyetem, Elettani Intezet, Kozponti Kutato Laboratorium); Institute of Pathophysiology, Medical University of Debrecen (Debreceni Orvostudomanyi Egyetem, Kopplettani Intezet)
TITLE: Effects of cholinesterase inhibitor and receptor blocking agents on the Ca sup ++ uptake of the vesicular relaxation system [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July: 1964] SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 17 TOPIC TAGS: calcium, enzyme, radioisotope, drug effect, pharmacology, animal physiology ABSTRACT: The vesicular relaxation system was prepared according to the method of NAMAI et al. (1960). From the fraction, 0.1 mg of protein was applied to a cellulose column followed by 5 ml Card 1/2



070

L 31089-66

ACC NR: AT6022817

SOURCE CODE: HU/2505/65/028/003/0217/0225

AUTHOR: Szoor, Arpad-Ser, A.; Szabolcs, Marton-Sabol'ch, M.; Kover, Andras-Kever, A. CRG: Institute of Physiology, Medical University, Debrecen (Orvestudomanyi Egyetem Elettani Intozote); Contral Laboratory, Medical University, Debrecen (Orvestudomanyi Egyetem Kozponti Laboratoriuma)

TITLE: Effect of heat treatment on the cholinesterase activity of actomyosin B+1 SOURCE: Academia scientiarum hungaricae. Acta physiologica. v. 28, no. 3, 1965, 217-225 TOPIC TAGS: enzyme, protein

ABSTRACT: The effect of heat treatment has been studied on the cholinesterase activity of actomyosin and of actomyosin digested briefly with trypsin. 1) On heat treatment in the pH range 5.0-8.0, a higher proportion of the total cholinesterase activity remained in solution at the higher pll values. Supernatant solutions with the highest specific activity were obtained at pH 6.0-6.2. 2) The fractions with cholinesterase activity which were liberated from actomyosin solutions can be separated by dialysis into a fraction precipitated at 0.05-0.07 μ (P) and another which remains in solution (D). Fractions P and D have about the same cholinesterase activity. Ultracentrifugal studies indicate that fraction P shows a tendency for aggregation; this is attributed to the presence of actin. 3) The properties of the cholinesterase fractions liberated by heat treatment were greatly altered by trypsin digestion. When the ionic strength of the supernatant liquid was reduced, almost 80 per cent of the total cholinesterase activity remained in solution at 0.05-0.07 u. The authors thank Dr. E. Varga for his interest and helpful suggestions. Orig. art. has: 3 figures and 3 tables. Orig. art. in Eng. / JPRS/ SUB. CODE: 06 / SUBM DATE: 25Nov64 / ORIG REF: 006 / OTH REF: 0915

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5

KOVER, B. 1948

(Pediatric Clinic, U. of Debrecen)

"Acute Yellow Atrophy of the Liver in Childhood."

Annales Paedritrici, Basle, 1948, 170/6(299-303) Abst: Exc. Med. V. Vol. 11, No. 8, p. 602

SZEKELY, Katalin, dr.; KOVER, Bela

haperiences in interstitial pneumonia in newborn and atrophic infants. Gyermekgyogyassat 5 no.4:122-129 Ap 154. (EEAL 3:8)

1. A Debreceni Orvostudomanyi Egyetem Gyermekklinikajanak (Igazgato: Kulin Iaszlo dr. egy. tanar) koslemenye, (PNEUMONIA, in inf. & child

*interstitial, plasma cell in newborn & atrophic inf.)
(INFANT, NEWBORN, dis.

*pneumonia, interstitial plasma cell)

KOVER, Bela, dr.; KECSKES, Jossef, dr.

Cerebrospinal fluid diagnosis in tuberculous meningitis. Gyermekgyogyaszat 5 no.10:303-308 Oct 54.

1. A debreceni Orvostudomaniu Egyetem Gyemekklinikajanak koslemenye (igasgato: dr. Kulin Laszlo egyetemi tanar) (TUHERCULOSIS, MENINGEAL, CSF in diag. value) (CEREBROSPINAL FLUID, in various dis. tubers., meningeal, diag. value)

KULIN, Laszlo, dr.; KOYKR, Bela, dr.; LENGYKL, Ferenc, dr.; LUDMANY, Konrad, dr.; POLYA, Imre, dr.; SZEKELY, Katalin, dr.

Cyclic penicillin therapy of scarlet fever as a prophylaxis against complications due to superinfection. Orv hetil 95 no.17:449-453

Ap 154. (REAL 3:8)

1. A Debreceni Orvostudomanyi Egyetem Gyermekklinikajanak (igazgato: Kulin Laszlo dr. egyetemi tanar) kozlemenye.

(PENICILLIN, ther. use

*scarlet fever, cyclic ther. in prev. of compl. (SCARLET FEVER, ther.

*panicillin, cyclic ther. in prev. of compl.)

KOVER, Bela, Dr.

Nutrition of atrophic and dystrophic infants. Gyermekgyogyassat 9 no.4-6: 158-161 Apr-June 58.

1. A Debreceni Orvostudomanyi Egyetem Gyermekklinikajanak (igazgato: Kulin Iaszlo dr. egyetemi tanar* kozlemenye.

(INFANT NUTRITION DISORDERS

nutrition of atrophic & dystrophic inf. (Hun))

KOVER, B.; BEREGSZASZI, Gy.

On the 24-hour rhythm of heat production in premature infants. Acta pediat. 4 no.1:23-31 '63.

1. Kinderklinik (Direktor: Prof. Dr. L. Kulin) der Medizinischen Universitat Debrecen.

(BODY TEMPERATURE) (INFANT, PREMATURE)

(PERIODICITY)

KOVER, B.; KISS SZABO, A.

Contribution to the question of the specific dynamic action of glycocoll loading in premature infants. Acta pediat. 4 no.1: 33-40 '63.

1. Kinderklinik (Direktor: Prof. Dr. L. Kulin) der Medizinischen Universitat Dabrecen.
(GLYCINE) (METABOLISM) (INFANT, PREMATURE)

KOVES, Bela; KISS, Pal, dr.; LENCSEPETI, Jeno

Questions relating to the settlement of meat industry plants. Elelm ipar 17 no.12:361-367 D '63.

1. Husipari Igazgatosag (for Koves). 2. Elelmiszeripari Ipargazdasagi es Uzemszervezesi Intezet (for Kiss). 3. Orszagos Husipari Kutatointezet (for Lencsepeti).

SZEKELY, Katalin; KOVER, B.; ZOLNAI, V.

Cytomegalovirus: Clinical observation of newborn and infantile excreters. Acta paediat. acad. sci. Hung. 6 no.3/4:313-322 165.

1. Department of Paediatrics, University Medical School, Debrecen. Submitted March 11, 1965.

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5

KOVER

RUMANIA / Chemical Technology, Chemical Products and Their

Application. Pharmaceuticals. Vitamins. Antibiotics.

H-17

Abs Jour

: Ref Zhur - Khimiya, No 5, 1959, No. 16475

Author

: Schreiber, L.; Kovor, C.

Inst

: Not given

Title

: Calculation Formula for Pharmacists

Orig Pub

: Farmacia (Romin), 1957, 5, No 4, 353-356

Abstract

: Presented are examples in the use of the "cross" formula for solving problems related to dilutions or concentra-

tions of drug proparations. -- E. Natkhan

Card 1/1

#-47

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5

H-17

RUMANIA / Chemical Technology, Chemical Products and Their

Application. Pharmaceuticals. Vitamins. Antibiotics.

Abs Jour

: Ref Zhur - Khimiya, No 5, 1959, No. 16535

Author

: Schreiber, L.; Kover, C.

Inst

: Not given

Title

: Use of Standard Control Methods Discussed in the New

Issue of the Romanian Pharmacopoeia

Orig Pub

: Farmacia (Romin), 1958, 6, No 2, 171-175

Abstract

: Evaluation of the improved testing and analysis standards imposed on pharmacists by the VII issue of the Romanian

pharmacopoeia is presented. -- E. Natkhan

Card 1/1

H-63

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5

MANDACHE, F.; PRODESCU, V.; CONSTANTINESCU, S.; KOVER, G.; STANCIULESCU, P.

Sympathectomy associated with adrenalo-omentopexy. A method for portal derivation of the circulation of the adrenal glands. Rumanian med. rev. no.2:63-70 '62.

(SYMPATHECTOMY) (ADRENAL GLANDS) (PORTAL SYSTEM)

TURAI, I.; MANDACHE, Fl., Assistant Prof.; KOVER, Gh., Dr.

Rev. 3 no.1:45-48 Jan-Har 59.

1. Correspondent member of the R.P.R. Academy (for Mandache).

(ARTERITIS, surg.

lumbar sympathectomycombined with chem.-induced adrenal medullosclerosis)

(SYMPATHECTOMY, in various dis.

lumbar, in arteritis, with chem-induced adrenal medullo-

(ADRENAL MEDULIA, eff. of drugs on chem.-induced sclerosis in ther. of arteritis, with lumbar sympathectomy)

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5

SURVANE, CIVER, G 14

Country: Rumania

Academic Degrees: -not given-

Affiliation: *)

Source: Timiso are, Timiso are Modicale, Vol VI, No 1, Jan-Jun 1961, pp 33-37.

Data: "Reanimation in Torminal Collapse State With Transfusions of Oxygonated Blood Through Artificial Heart-Lungs."

Authors:

MANDACHE, F.

MATEZSOU, D.

CIOPATA, E.

CANTARGIU. Sofia

CONSTANTINESCU, S.

TANCIU, I.

"> Work performed at the Surgical Clinic of "Brincovenese" Hospital (Clinica de Chirurgie a Spitalului "Brincovenese"), Director: F.

MANDACHE, Fl.; MATEESCU, D.; KOVER, Gh.; POPESCU, M.

Role of the adrenal glands in hemodynamic disorders in shock patients. Stud. cercet. endocr. 15 no.3:233-240 '64.

VEGHELYI, Peter, dr.; HARSIEG, Laszlo, dr.; KABAT, Maria; KOVER, Gyorgy; FONYODY, Lajoene, dr., technikai segitsegevel.

Hypothermia and hibernation. III. Renal function in hypothermia. Orv. hetil. 96 no.1:14-15 2 Jan 55.

1. A Budapesti Orvostudomanyi Egyetem I. Gyermekklinikajanak (igazgato: Gegesi-Kiss, Pal dr. egyetemi tanar) es Elettani Intezetenek (igazgato: Balint, Peter dr. egyetemi tanar) kozlemenye.

(BODY TEMPERATURE, hypothermia, kidney funct. tests in dogs.)

(KIDNEY FUNCTION TESTS, in hypothermia in dogs.)

HARSINO, Lassic; JELLIHEK, Harry; KOVER, Gyorgy; LASZIO, Katalin; VECHELYI, Peter; FONYODI, Sarcita.

Effects of hypothermia on ischemic kidney lesions. Kisérletes orvostud. 8 no.1:85-92 1956.

1. Budapesti Orvostudomanyi Egyetem Elettani Intezete, II. sz. Korbonctani Intezete es I. sz. Gyermekklinikaja.

(KIDNEYS, blood supply ischemia, exper., prev. of consequent fatal lesions by hypothermia in dogs (Hun))

(BODY TEMPERATUES hypothermia, controlled, in prev. of fatal kidney lesions after exper. ischemia of kidneys in dogs (Hun))

HARSING, L.; JELLINEK, H.; KOVER. GV.; LASZLO, K.; VEGHELYI, P.; FONYODY, S.

The effect of hypothermia on ischaemic changes in the kidney. Acta physiol. hung. 10 no.2-4:429-436 1956.

1. Institute of Physiology 2nd Institute of Pathology and 1st Department of Pediatrics, University Medical School, Budapest. (HYPOTHERMIA, exper.

eff. on exper. ischemic changes in dog kidneys.)
(KIDNEYS, blood supply
ischemia, exper., eff. of exper. hypothermia on ischemic changes in dogs)

HARSING, L.; FONYODI, S.; KARAT, M.; KOVER, Gy.

Effect of phlorizin and of mercurial diuretics on renal hemodynamics.
Acta physiol. hung. 12 no.4:363-371 1957.

1. Institute of Physiology, Medical University, Budapest.

(PHIORIZIN, eff.

on renal hemodynamics in dogs)

(DIURETICS, MERCURIAL, eff.

same)

(KIDNEYS, eff. of drugs on

mercurial diuretics & phlorizin on hemodynamics in dogs)

HARSING, Laszlo; DUBECZ, Erzsebet; KOVER, Cyorgy; NAGY, Janos; es GERBER, Katalin; TAKACS, Eva, technikai segedletevel

Effect of hypothermia on the level of substituted Na. Kiserletes orvostud. 13 no.4:373-380 Ag *61.

1. Budapesti Orvostudomanyi Egyetem Elettani es Orvosfizikai Intezete.

(BODY TEMPERATURE) (SODIUM metab)

HARSING, Laszlo; KOVER, Gyorgy; DUBECZ, Erzsebet; NENES, Byorgy

Effect of hypothermia on the inulin space. Kiserletes orvostud. 13 no.4:381-384 Ag '61.

1. Budapesti Orvostudomanyi Egyetem Elettani Intezete.

(BODY TEMPERATURE) (INULIN metab)

HARSING, Laszlo; NAGY, Janos; KOVER, Gyorgy; DUEECZ, Erssebet; es GERBER, Katalin; TAKACS, Eva technikai segedletevel

Effect of hypothermia on transcapillary Na substitution. Kiserletes orvostud. 13 no.4:385-391 Ag '61.

1. Budapesti Orvostudomanyi Egyetem Elettani es Orvosfizikai Intezete.

(BODY TEMPERATURE) (SODIUM blood)

MAI YUSE, May POVOR, Gy.

The effect of papaverine on the function of renal limiter calls. Acts physical Aced. set. Hung. 27 no.1859-(3 20)

1. Institute of physiology, University medical Public Budglest.

KOVER, G.; MALYUSZ, M.; KLLO, Erzsebet; SZOCS, Eva

The effect of antiotensin on renal circulation. Acta physiol. acad. sci. Hung. 28 no.1:53-57 165.

1. Institute of Physiology, University Medical School, Budapest. Submitted November 24, 1964.

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5

1-15475-66 ACC NR: AT6007434 SOURCE CODE: HU/2505/65/026/00X/0042/0043 AUTHOR; Kover, G.; Ello, Erssebet; Szocs, Eva ORG: Institute of Physiology, Medical University of Budapest, Budapest (Budapesti Orvostudomanyi Egyetem, Klettani Intezet) TITIE: Effect of angiotensin on renal circulation /This paper was presented at the 29th Meeting of the Hungarien Physiological Society held in Szeged from 2 to 4 July 196<u>1</u>7 SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 42-43 TOPIC TAGS; amino acid, blood circulation, animal physiology, biologic secretion, ABSTRACT: fusion of angiotensin II, at a rate of 0.1-1.0 µg/minute, was followed by It has been noted that the inan intense vasocostriction in the kidney. The directly measured renal blood flow decreased by about 40 per cent both in kidneys with intact nerve Card 1/2

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5

per cent whill spectively. I per cent, the	isolated kidneys deprived in the in situ kidneys the the EPAH and Eoreat. inc the isolated kidneys, the	in it and it		
by angiotensi renal artery.	that there may exist in to the functioning parts, a in the first place. When the blood pressure of the to the technique used.	he kidney the kidney that these are the angiotensin is	per cent. All these pathways which aver see ones constricted into the	
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ACC NR: AT6025180

SOURCE CODE: HU/2505/65/028/001/0053/0057

AUTHOR: Kover, Gyorgy-Kever, D. (Budapest); Malyusz, Miklos-Melyus, M. (Budapest); Ello, Erzsebet-Elle, E. (Budapest); Szocs, Eva-Sech, E. (Budapest)

ORG: Institute of Physiology, Medical University of Budapest (Budapesti Orvostudomanyi Egyetem, Elettani Intezet)

TITLE: Effect of angiotensin on renal circulation

SOURCE: Academia scientiarum hungaricae. Acta physiologica , v. 28, no. 1, 1965, 53-57

TOPIC TAGS: hormone, endocrinology, animal physiology

ABSTRACT: The effect of angiotensin II on "in situ" and "isolated" kidneys has been studied. 1) When infused into the renal artery of the in-situ kidney, angiotensin increased the renal resistance and decreased the RBF_{dir}, CPAH and Ccreat. There was a significant increase in Ecreat and EPAH. 2) In the isolated kidney, renal resistance was increased and RBF_{dir} was diminished by angiotensin. There was no change in the CPAH and Ccreat. Whereas Ecreat and EPAH increased significantly. 3) The increase in EPAH in response to angiotensin may be ascribed to an improvement in the PAH-secreting activity of the tubular cells. Another possibility is the presence of shunts in the kidney which may be constricted by angiotensin more than the blood vessels of the functioning renal substance are. Orig. art. has: 2 tables. Crig. art. in Eng. 7/JPRS: -33.5007

SUB CODE: 06 / SUBM DATE: 24Nov64 / ORIG REF: 002 / OTH REF: 007

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APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825630002-5"

L 27439-66 ACC NR. AP6001960 SOURCE CODE: HU/0018/65/017/001/0088/0092 AUTHOR: Harsing, Laszlo-Kharshing, L.; Kover, Gyorgy-Kever, D.; Malyuss, Miklos-Mayus, M.; Toth, Gigella-Tot, G. 2/ ORG: Institute of Physiology, Medical University of Budapest, Budapest (Orvostudomanyi Egyetem Elettani Intezet) TITIE: Function of the isolated kidney SOURCE: Kiserletes Orvostudomany, v. 17, no. 1, 1965, 88-92 TOPIC TAGS: urology, biochemistry, excretion, blood, hematology, internal medicine ABSTRACT: In the isolated kidney, renal resistance was found to be higher, diuresis, PAH and creatinine clearances as well as Na excretion lower than in the in situ kidneys used as controls. The hemodynamic changes can be explained by the increase in preglomerular resistance. The lesser water and Na excretion is presumably related to a decrease in glomerular filtration. Orig. art. has: 8 formulas and 2 tables. ZPRS7 SUB CODE: 06 / SUBM DATE: 12May64 / OTH REF: 014

L 43640-66 RO

ACC NR: AT 6032348

SOURCE CODE: HU/2505/65/027/001/0059/0063

AUTHOR: Malyusz, Mikios; Kover, Gyorgy

5 341

ORG: Institute of Physiology, Medical University of Budapest, Budapest (Budapesti Orvostudomanyi Egyetem, Elettani Intezet)

TITIE: Effect of papaverine on the function of the renal tubular cells

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 27, no. 1, 1965, 59-63

TOPIC TAGS: pharmacology, animal physiology

ABSTRACT: The PAH transport and oxygen consumption by rat kidney cortex slices was studied at 28° and 37° C. At 28°, the oxygen uptake was 2.% µl/h/mg and the S/M ratio was 18.34. At 37°, the oxygen consumption averaged 4.26 µl/h/mg with an S/M value of 6.89. The release of PAH from the tubular cells into the tubular lumen was inhibited at 28°. With an unchanged PAH uptake, this fact resulted in an increased PAH accumulation and an increased S/M ratio. Papaverine decreased the PAH accumulation and the oxygen uptake at both temperatures. The oxygen consumption showed a linear decrease while the S/M ratio decreased exponentially. This effect of papaverine can be accounted for by the drug-induced uncoupling of oxidative phosphorylation. Orig. art. has: 3 figures and 1 table. Orig. art. in Eng. [JPRS]

SUB CODE: 06 / SUBM DATE: 28Nov63 / OTH REF: 012

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HUNGARY

KOVER, Gyorgy, and PUSKOPI, Gabriella, Institute of Physiology at the Medical University (Orvostudomanyi Egyetem Elettani Intezete) in Budapest.

"Effect of Antidiuretic Hormone on Cell Membrane Permeability"

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol 29, No 3-4, 8 Jun 1966, pp 219-223.

Abstract: [English article] The purpose of these studies is the investigation of the permeability-increasing action of vasopressin on inulin transport in rats. Any inulin introduced into the organism is supposed to remain in the extracellular compartment. In the tests described, the amount of inulin introduced into rats increased in the kidneys and in the urinary tract if antidiuretic hormone was introduced. Since inulin is not secreted in the kidney, the introduced antidiuretic hormone must have either reduced glomerular filtration or caused a reabsorption of inulin at some point of the nephron or in the renal pelvis, owing to increased permeability. 15 references, including 2 Hungarian, 1 German, and 12 Western. (Manuscript received 10 Jul 1965).

- 68 -

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825630002-5"

KOVER, Gyorgy, HARZA, Tibor, PUSPCKI, Gabriella; Medical University of Eudapest, Institute of Physiology (Budapesti Orvostudomanyi Egyetem, Elettani Intezet).

"Renal Function in the Rat During Obstruction of the Ureter."

Budapest, Kiserletes Orvostudomany, Vol XVIII, No 5, Oct 66, pages 531-535.

Abstract: [Authors' Hungarian summary] 1) The extent of GFR was studied in the rat during ureteral obstruction in the presence of various degrees of hydration. 2) It was found that non-hydrated (control) animals had a GFR value of 0.131 ml/min; in physiological salt diuresis, the GFR value was ... 0.129 ml/min and in water diuresis it was 0.106 ml/min. 3) In osmotic diuresis produced with Mannit, the GFR value in the kidney with obstructed ureter drops to 7-8 per cent of the normal value (0.0237 ml/min). 4) The mechanisms are discussed which may insure glomerular filtration during ureteral obstruction. 5) A simple method is described which is suited for the study of glomerular filtration during ureteral obstruction and the nature of the necessary calculations is also presented. 3 Hungarian, 12 Western references. [Manuscript received 17 Nov 65.]