"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye. B.

BABSKIY, Ye. B.

The restorative effect of adenosinetriphosphoric acid on the activity of the heart under anaerobic conditions. E. B. Babskii, A. E. Gurvich, and G. A. Urzina. *Doklady Akad. Nauk S.S.S.R.* 74, 631-4(1950).—Isolated frog heart was used. A detailed description and a schematic drawing are presented of the chamber used for keeping the frog heart and maintaining anaerobic conditions during various expt. steps. The Ringer soln. and chamber were satd. with N_2. In part of the expts. the Straub method for the study of isolated frog heart was used. Results were recorded kymographically. Twenty-three expts. were performed. Under anaerobic conditions the activity of the heart gradually weakened and the contraction amplitude was lowered after 8-20 min. In two expts. the heart activity completely ceased in 35 min. Occasionally fresh Ringer soln. (satd. with N_2) reestablished the automatic heart contractions. When heart contractions finally stopped, the Ringer soln. was replaced by 10^{-4} - 10^{-3} soln. of adenosinetriphosphoric acid (ATP). This caused a resumption of heart activity, the contraction amplitude being of a magnitude greater than that of the original control. Unless the ATP soln. was refreshed heart activity gradually grew fainter and stopped after 8-15 min. Renewal of or perfusion by ATP soln. again reawakened the heart activity, but not to the same height. Such renewed heart activity lasted for 2-5 hrs. In speculating on the possible mechanism of action of ATP two theoretical possibilities are offered.

B. S. Levine

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

CA BABSKIY, Ye. B.

11-M

Effect of adenosinetriphosphate on long muscle and tonomotor contraction. E. B. Babskii and V. A. Novi. *Doklady Akad. Nauk S.S.S.R.* 78, 1061-4(1951). Expts. with dog tongue musculature after motor denervation (one sided) with intraarterial administration of adenosinetriphosphate (ATP) show that a normal tongue gives no contraction after ATP but denervated tongue gives a pronounced contraction at 1.5-mg. level of the substance. The effect is similar to tonomotor contraction (diagrams shown); repetition leads to more and more pronounced contraction. ATP increases the regular tonomotor contraction and lasts for 10-15 min. ATP definitely increases or sensitizes the muscle reaction to acetylcholine. G. M. Kosolapoff

Inst. Clinical Physiology, AS UkrSSR

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.;GURFINKEL', V.S.;ROMEL', Ye.L.

New method and certain results of investigation of vestibular motor reflex in inadequate stimulation of the vestibular apparatus in man. Vest. otorinolar., Moskva 14 no. 5:19-22 Sept-Oct 1952.
(GLML 23:3)

1. Of the Laboratory of the Physiology of Movement, Central Scientific-Research Institute for Prostheses and Prostheses Manufacture.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; MYASNIKOV, A.L.; GURFINKEL', V.S.; ZAMYSLOVA, K.N.; ROMEL', Ye.L.

First results of clinical application of cardiohemodynamography.
Ter. arkh., Moskva 24 no.1:68-76 Jan-Feb 52. (CIML 21:4)

1. Of the Institute of Therapy (Director—Prof. A.L. Myasnikov, Active Member AMS USSR) of the Academy of Medical Sciences USSR and of the Physiological Laboratory (Head--Prof. Ye.B. Babskiy, Active Member of the Academy of Sciences Ukrainian SSR), Central Scientific-Research Institute for Prostheses.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye. B;GURFINKEL', V.S;ROMEL', Ye. L;YAKOBSON, Ya. S.

New method of investigation of cardiac function and respiration in man. Doklady Akad. nauk SSSR 83 no.6:952-960 21 Apr 1952. (CLML 22:2)

1. Presented by Academician A. I. Abrikosov 22 February 1952.
2. Institute of Animal Morphology imeni A. N. Severtsov.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye. B;VINOGRADOVA, T. S;GURFINKEL', V.S;ROMEL',
Ye. L;YAKOBSON, Ya. S.

New method of investigation on the vascular reactions in various parts of the body. Doklady Akad. nauk SSSR 84 no. 1:189-192 1 May 1952, (CLML 22:2)

1. Active Member of the Academy of Sciences Ukrainian SSR for Babskiy.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; VINOGRADOVA, T.S.; GURFINKEL', V.S.; MESHALKIN, Ye.N.

Physiological analysis of cardiohemodynamogram. Doklady Akad. nauk SSSR, 88 no. 2:365-368 11 Jan 1953. (CLML 24:1)

1. Active Member of the Academy of Sciences Ukrainian SSR for Babskiy.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.;VINOGRADOVA, T.S.;GURFINKEL', V.S.;YAKOBSON, Is.S.

Physical picture of cardiohemodynamography. Doklady Akad. nauk SSSR. 92 no.1:185-188 1 Sept 1953. (CLML 25:4)

1. Active Member Academy of Sciences Ukrainian SSR for Babskiy.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; VINOGRADOVA, T.S.; KARPMAN, V.L.

Application of cardiohemodynamography in surgical clinical practice. Khirurgiia no.1:60-67 Ja '54. (MLRA 7:5)

1. Iz laboratorii Akademii meditsinskikh nauk SSSR pri fakul'tetskoy khirurgicheskoy klinike im. S.I.Spasokukotskogo (zaveduyushchiy - deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR professor A.N.Bakulev) II Moskovskogo meditsinskogo instituta im. I.V.Stalina.
(Cardiovascular system)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B. (Moskva)

Some remarks on V.D.Dzhordzhikiia and E.E.Voitsekhovskii's article. Terap. arkh. 26 no.3:88-89 My-Je '54. (MLRA 7:9)
(CARDIOVASCULAR SYSTEM, physiology, graphic registration of funct.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; GURFINKEL', V.S.; ROMEL', E.L.; YAKOBSON, Ya.S.

Capsule for electric registration of slight fluctuations in pressure. Biul.eksp.biol.i med. 37 no.2:75-77 F '54. (MLRA 7:6)

1. Iz fiziologicheskoy laboratorii (zav. deystvitel'nyy chlen AN USSR prof. Ye.B.Babskiy) TSentral'nogo nauchno-issledovatel'skogo instituta protezirovaniya i protezostroyeniya, Moskva.
(BLOOD PRESSURE,
*appar. for electric registration of small oscillations)
(PHYSIOLOGY, apparatus and instruments,
electric registration of small oscillations of pressures)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY Ye. B.; GURFINKEL', V.S.

New methods of registering pulse waves (electrosphygmography). Biul.eksp.biol. i med. 37 no.3:74-76 Mr '54. (MLRA 7:6)

1. Iz laboratorii AMN SSSR pri fakul'tetskoy khirurgicheskoy klinike (dir. chlen AMN SSSR prof. A.N.Bakulev) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.
(PULSE,
*electrosphygmography)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; YAKOBSON, Ya.S.

Method of investigating support reactions in man during standing and in various movements. Biul.eksp.biol.i med. 37 no. 4:70-74 Ap '54. (MLRA 7:7)

1. Iz fiziologicheskoy laboratorii (zav. deystvitel'nyy chlen AN USSR prof. Ye.B.Babskiy) TSentral'nogo nauchno-issledovatel'skogo instituta protezirovaniya i protezostroyeniya, Moskva.
(MOVEMENTS,
*registration of resist. reactions during standing & movements in man)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, YE. B.

BABSKIY, Ye.B.; SMOLYANSKIY, N.A.

Electrodynamographic method of measuring of maximum stress and fatique in isometric contraction of muscles in man. Biul. eksp. biol. i med. 37 no.6:68-70 Je '54. (MLRA 7:8)

1. Iz laboratorii fiziologii (zav. deystvitel'nyy chlen AN USSR prof. Ye.B.Babskiy) TSentral'nogo nauchno-issledovatel'skogo instituta protezirovaniya i protezostroyeniya.
(MUSCLES, physiology
force, electrodynamographic measurement)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, YE. B.

USSR/Medicine - Physiology

Card 1/1 Pub 33-14/29

Author : Babskiy, Ye. B.

Title : New methods of recording pulse volume and blood supply in a hand and in a finger

Periodical : Fiziol. zhur. 40, 347-348, May/Jun 1954

Abstract : An electroplethysmograph is described which is claimed to be superior to any other plethysmograph in sensitivity and accuracy in recording many physical processes. It offers possibility to determine fluctuations in pulse volume and to express quantitively any changes in blood supply in a finger, arm, or in a forearm. Diagrams. One Soviet and one non-Soviet reference.

Institution : Academy of Medical Science Laboratory under the Faculty Surgical Clinic of the 2nd Moscow Medical Institute imeni I. V. Stalin

Submitted : July 6, 1953

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, [redacted] Ye. B.

USSR/ Medicine - Physiology

Card 1/1 : Pub. 22 - 42/44

Authors : Babskiy, Act. Memb. of Ukr. Acad. of Sc., and Akulinichev, I. T.

Title : Determination of the equivalent force of mechanical processes connected with the activity of the heart and circulation of blood in the vessels

Periodical : Dok. AN SSSR 98/1, 159-162, Sep 1, 1954

Abstract : A method used in determing the equivalent force of the mechanical processes connected with cardiac activity and blood circulation in vessels of the human body is described. Cardiohemodynamograms showing the cycles of healthy human hearts in various positions of the body are included. One USSR reference (1952 and 1953).

Institution : .....

Submitted : April 21, 1954

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye. B.; GURFINKOL', V.S.; ROMEL', E.L.; YAKOBSON, Ya.S.

New method of studying the stability of man in an erect position; method of stabilography. Fiziol. zhur. 41 no.3:423-427 My-Je '55. (MLRA 8:8)

1.Iz Laboratorii fiziologii Tsentral'nogo nauchno-issledovatel'skogo instituta protezirovaniya i protezostroyeniya, Moskva.

(POSTURE,
registration of stability of man in erect position)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Yevgeniy Borisovich, akademik; BENYUMOV, O.M., redaktor; GUBIN, M.I., tekhnicheskiy redaktor

[Founder of the ion theory of excitation, Vasilii IUr'evich Chagovets] Osnovopolozhnik ionnoi teorii vozbuzhdeniia Vasilii IUr'evich Chagovets. Moskva, Izd-vo "Znanie," 1956. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. 3, no.47) (MLRA 9:12)

1. Akademiya nauk USSR. (for Babskiy)
(Chagovets, Vasilii IUr'evich Chagovets)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY Ye. B.

USSR/Human and Animal Physiology (Normal and Pathological). Heart. T-4

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74733

Author : Babskiy, Ye.B., Karpman, V.L.
Inst : [redacted]
Title : Temporary Correlations Between Electrical and Mechanical Phenomena of the Activity of the Ventricles of the Human Heart.

Orig Pub : Probl. sovrem. fiziol. nervn. i myshechn. sistem, Tbilisi, AN GruzSSR, 1956, 501-513.

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

USSR/General Division. History. Classics. Personnel. A-2

Abs Jour: Ref. Zhur. Biologiia, No 4, 1958, 14152.

Special significance was given by Chagovets to acids, particularly carbonic acid, which forms, according to his notion, a complex with protein. Biopotentials are formed on account of the different speeds of movement of the N+ ion and the anion. The condensation theory of irritation proceeds from the heterogeneity of a living system. The irritating action of a current is connected with the accumulation of positive ions on the surface membranes. On the basis of the condensor theory of Chagovets the laws of Pfluger and Dubois-Raymond can be explained.

Card : 2/2 -24-

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BAKULEV, A.N. (Moskva); BABSKIY, Ye.B. (Moskva); KARPMAN, V.L. (Moskva)

Cardiohemodynamography showing the effectiveness of surgery for mitral stenosis. Klin.med. 34 no.5:36-43 My '56. (MLRA 9:10)

1. Iz laboratorii Akademii meditsinskikh nauk SSSR pri fakul'tetskoy khirurgicheskoy klinike II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.

(MITRAL STENOSIS, surgery,
cardiohemodynamography of results (Rus))
(BALLYSTOCARDIOGRAPHY,
cardiochemodynamography after mitral stenosis surg. (Rus))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, E.B., akademik; KARPMAN, V.L.

Relation between the time of ventricle contraction and cardiac rhythm. Dokl. AN SSSR 109 no.2:407-410 Jl '56. (MIRA 9:10)

1. Akademiia nauk USSR (for Babskiy). 2. Institut grudnoy khirurgii Akademii meditsinskikh nauk SSSR.
(HEART)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

TEKUTOV, Petr Filippovich; BABSKIY, Ye.B., red.; MARKOV, N.G., red.; MAKHOVA, N.N., tekhn.red.

[Practical work in human and animal physiology; a manual for pedagogical institutes] Praktikum po fiziologii cheloveka i zhivotnykh; posobie dlia pedagogicheskikh institutov. Pod red. E.B. Babskogo. Moskva, Gos.uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1957. 199 p. (MIRA 11:2)

1. Deystvitel'nyy chlen Akademii nauk USSR (for Babskiy)
(PHYSIOLOGY--LABORATORY MANUALS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

T-4

USSR/Human and Animal Physiology (Normal and Pathological).
Heart.

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74732

Author : Babskiy, Ye.B.

* Inst :

Title : Method and Some Results of Investigation of Mechanical Appearances of Cardiac Activity in Norma and Pathological Humans.

Orig Pub : Biofizika, 1957, 2, No 1, 20-34

Abstract : Method consisting of registration of transposition of the center of gravity of the chest cage by a wire pick up of electrical resistance. The vector dinamocardiogram (DCG) is a projection on a plane of the equal sum of the mechanical processes connected with the cardiac activity and movement of the blood in vessels of the part of the body investigated. Analysis of temporary relations of ECG and DCG allowed establishing the fact that the mechanical systole

* Institut grudnoy khirurgii Akademii meditsinskikh nauk SSSR, Moskva.

Card 1/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., KARPMAN, V.L.

Essential difference between ballistocardiographic and dynamocardiographic methods [with summary in English]. Biofizika 3 no.5:596-606 '58 (MIRA 11:10)

1. Institut grudnoy khirurgii AMN SSSR, Moskva.
(BALLISTOCARDIOGRAPHY,
differences with dynamocardiography (Rus))
(HEART,
dynamocardiography, differences from ballistocardiography (Rus))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

SOV-26-58-10-15/51

AUTHOR: Babskiy, Ye.B., Academician, Ukr SSR Academy of Sciences

TITLE: An Ardent Propagandist of Science (Plamennyy propagandist nauki). In Memory of V.V. Lunkevich (Pamyati V.V. Lunkevicha)

PERIODICAL: Priroda, 1958, Nr 10, pp 78-81 (USSR)

ABSTRACT: The article consists of a brief biographical sketch of V.V. Lunkevich, who died in 1941, his work and activity as a propagandist of science. Some of his popular scientific brochures and pamphlets are listed and described. There is 1 Soviet reference and 1 photo.

1. Scientific reports--USSR

I. Lunkevich, V V

Card 1/1

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; IVANITSKAYA, I.N.; KARPMAN, V.L.

Mechanism of cardiac function during inspiration and expiration; dynamocardiographic investigations [with summary in English]. Biofizika 4 no.2:198-203 '59. (MIRA 12:4)

1. Institut grudnoy khirurgii AMN SSSR, Moskva.
(RESPIRATION, physiol.
eff. of expiration & inspiration on heart funct. (Rus))
(HEART, physiol.
eff. of expiration & inspiration (Rus))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

AKULINICHEV, I.T.; BABSKIY, Ye.B.; GEL'SHTEYN, G.G.; PETROV, G.M.; SKACHKOVA, A.I.; UTEY, N.I.; USHAKOV, V.B.

Electronic modeling of the electricactivity of the heart. Biofizika, 4 no.3:354-360 '59. (MIRA 12:7)

1. Nauchno-issledovatel'skiy institut schetnogo mashinostroyeniya, Institut grudnoy khirurgii AMN SSSR, Moskva i Institut normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva.
(ELECTROCARDIOGRAPHY,
electronic model of electric activity of heart (Rus))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

AKULINICHEV, I.T.; BABSKIY, Ye.B.; GEL'SHTEYN, G.G.; PETROV, G.M.; SKACHKOVA, A.I.; UTEY, N.I.; USHAKOV, V.B.

Reproduction of the electrocardiogram by an electronic model system. Biofizika 4 no.5:589-594 '59. (MIRA 14:6)

1. Iz otdela elektromodelirovaniya Nauchno-issledovatel'skogo instituta schetnogo mashinostroyeniya, Instituta grudnoy khirurgii AMN SSSR i laboratorii klinicheskoy fiziologii Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva.
(ELECTROCARDIOGRAPHY)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; KARPMAN, V.L.; PETROV, G.M.; SKACHKOVA, A.I.

Use of an electronic differentiating unit in physiological research. Biofizika 4 no. 6:743-749 '59. (MIRA 14:4)

1. Institut normal'noy i patologicheskoy fiziologii Akademii meditsinskikh nauk SSSR, Moskva.
(ELECTRONIC APPARATUS AND APPLIANCES) (PHYSIOLOGY—RESEARCH)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B. (Moskva, Zh-172, Kotel'nicheskaya nab., d.25/8, kv.72); ZHMUR, V.A.; YEFUNI, S.N.

Electroencephalography in a surgical clinic. Vest. khir. 82 no.5: 48-58 My '59. (MIRA 12:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki im. S. I. Spasokukotskogo (dir. - prof. A.N. Bakulev) 2-go Moskovskogo meditsinskogo instituta im. N.I. Pirogova i laboratorii klinicheskoy fiziologii (zav. - prof. Ye. B. Babskiy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

(ELECTROENCEPHALOGRAPHY)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

17(1)

AUTHORS: Babskiy, Ye. B., Academician AS UkrSSR, Karpman, V. L. SOV/20-125-5-58/61

TITLE: An Analysis of the Phases of Cardiac Contractions According to Dynamocardiographic Data (Ob analize faz serdechnogo sokrashcheniya po dannym dinamokardiografii)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 5, pp 1166- 1169 (USSR)

ABSTRACT: The three research workers mentioned in reference 1 came to the conclusion that the intervals of the dynamocardiogram correspond to the phases of the heart cycle. This was confirmed later (Refs 2,3). However, data were collected according to which some elements of the dynamocardiogram are to be estimated differently from those of reference 1. For this reason the authors analyzed anew the systolic complex of the dynamocardiogram and found more precise criteria for estimating the duration of the systole phase.

M a t e r i a l a n d m e t h o d. 85 persons were examined, 25 were sound and 60 ill (35 persons suffered from mitral stenosis, 5 mitral insufficiency, etc.). The dynamo- and electro-phonocardiogram, as well as the curve of the pulse beat of the carotid artery were recorded synchronously. Figure 1 shows the

Card 1/3

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

An Analysis of the Phases of Cardiac Contractions According to Dynamocardiographic Data SOV/20-125-5-58/61

interrelations with respect to time of these results. Table 1 gives the average duration of the intervals of the systolic complex of the dynamocardiogram in seconds in the case of sound and ill persons. Table 2 shows the same for the phases of the systole of the heart ventricle after a polycardiographic examination. The authors drew the following conclusion: dynamocardiography permits a detailed phase analysis of the systole of the left ventricle. The time between the point q of the dynamocardiogram (or the peak Q of the ECG) and the point B corresponds to the duration of the electro-mechanical period of the ventricle (phase of form change). The time between the point B and z corresponds to the phase of isometric contraction, whereas the time between z and E corresponds to the phase of the pumping out from the left ventricle. The sum of the intervals II, III, and IV (B - E) corresponds to the duration of the mechanical systole. There are 1 figure, 2 tables, and 11 references, 4 of which are Soviet.

ASSOCIATION: Institut normal'noy i patologicheskoy fiziologii Akademii meditsinskikh nauk SSSR (Institute of Normal and Pathological Physiology of the Academy of Medical Sciences USSR)

Card 2/3

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

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BARSKIY, Ye.B.; VENEDIKTOV, A.B.; KARPMAN, V.L.; TISHCHENKO, M.I.

Dynamocardiograph. Biofizika 5 no. 5:620-626 '60. (MIRA 13:10)

1. Institut normal'noy i patologicheskoy fizilogii AMN SSSR, Moskva i Konstruktorsko-tekhnologicheskoye byuro "Biofizpribor", Leningrad.

(CARDIOGRAPHY)

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BABSKIY, Ye.B.; ROZANOVA, L.S.; UL'YANINSKIY, L.S.

The phenomenon of rhythm accomodation during electrical stimulation of the heart. Fiziol. zhur. 46 no.10:1195-1202 O '60. (MIRA 13:11)

1. Laboratoriya klinicheskoy fiziologii Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, laboratoriya biofiziki Vsesoyuznogo instituta meditsinskogo instrumentariya i oborudovaniya, fiziologicheskaya gruppa chlena-korrespondenta AMN SSSR A.I.Smirnova, Moskva.
(HEART) (ELECTROPHYSIOLOGY)

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RABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.

Respiratory atrioventricular block. Dokl.AN SSSR 133 no.3:716-718 Jl '60. (MIRA 13:7)

1. Institut normal'noy i patologicheskoy fiziologii Akademii meditsinskikh nauk SSSR.
(HEART BLOCK) (RESPIRATION) (VAGUS NERVE)

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BABSKIY, Ye.B., akademik; IOFFE, L.A.; KARPMAN, V.L.

Frontal vectordynamocardiogram. Dokl.AN SSSR 134 no.2:485-488 S '60. (MIRA 13:9)

1. Institut normal'noy i patologicheskoy fiziologii Akademii nauk SSSR. 2. AN USSR (for Babskiy).
(VECTORCARDIOGRAPHY)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Yevgeniy Borisovich; UL'YANINSKIY, Lev Sergeyevich; KARPMAN, V.L., red.izd-va; ASTAF'YEVA, G.A., tekhn.red.

[Electric stimulation of the heart] Elektricheskaia stimuliatsiia serdtsa. Moskva, Izd-vo Akad.nauk SSSR, 1961. 159 p. (MIRA 14:6)

(ELECTROPHYSIOLOGY) (HEART)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye. B. and KARPMAN, V.L.

Institute of Normal and Pathological Physiology,
Academy of Sciences USSR, Moscow - "Dynamocardiography"

Report to be submitted for the 4th Intl. Conf. on
Medical Electronics, New York, N.Y., 16-21 July 1961

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; UL'YANINSKIY, L.S.

Some principal problems in the physiology of the heart arising during a study of the effects of electrical stimulation. Vest. AMN SSSR 16 no.5:25-31 '61. (MIRA 14:12)

1. Laboratoriya klinicheskoy fiziologii (zav. - akademik AN USSR Ye. B.Babskiy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR V.V. Parin) i Instituta biologicheskoy fiziki AN SSSR (dir. - chlen-korrespondent AN SSSR G.M.Frank).
(HEART) (ELECTROCARDIOGRAPHY)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

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BABSKIY, Ye.B.; MUZYKANTOV, V.A.

One of the tasks of the leading institute is the advanced training of research workers. Vest. AMN SSSR 16 no.5:85-87 '61. (MIRA 14:12)

(PHYSIOLOGY--STUDY AND TEACHING)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; PARIN, V.V.

Achievements in medical electronics (as revealed by results of the 3d International Conference on Medical Electronics). Vest. AMN SSSR 16 no.5:88-93 '61. (MIRA 14:12)
(MEDICAL ELECTRONICS--CONGRESSES)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.

Effect of the sympathetic nerve on the assimilation of different rhythms of electric stimulation by the myocardium of heart ventricles. Dokl. AN SSSR 139 no.3:752-754 Jl '61. (MIRA 14:7)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR i Institut biofiziki AN SSSR. 2. AN USSR (for Babskiy).
(HEART--MUSCLE) (NERVOUS SYSTEM, SYMPATHETIC)
(ELECTROPHYSIOLOGY)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.

Relation between electric and hemodynamic alternation of the heart. Dokl. AN SSSR 140 no.2:503-506 S '61. (MIRA 14:9)

1. Institut normal'noy i patologicheskoy fiziologii Akademii meditsinskikh nauk SSSR i Institut biologicheskoy fiziki AN SSSR. 2. AN USSR (for Babskiy).
(ARRHYTHMIA) (ELECTROCARDIOGRAPHY)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.

Relationship between electrical and mechanical manifestations of cardiac activity. Dokl. AN SSSR 140 no.6:1460-1462 O '61. (MIRA 14:11)

1. Institut normal'noy i patologicheskoy fiziologii Akademii meditsinskikh nauk SSSR i Institut biofiziki AN SSSR. 2. AN USSR (for Babskiy).

(HEART) (ELECTROPHYSIOLOGY)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

RABSKIY, YE.B., ULYANINSKIY, L.S.

"Reflex changes of the functional state in the suricles and ventricles, related to the respiratory cycle."

Report submitted, but not presented at the 22nd International Congress of Physiological Sciences.
Leiden, the Netherlands 10-17 Sep 1962

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B. ; UL'YANINSKIY, L.S.

Reflex changes in the functional state of the auricles and ventricles connected with the respiratory cycle. Trudy Inst. norm. i pat. fiziol. AMN SSSR 6:121-122 '62 (MIRA 17:1)

1. Laboratoriya klinicheskoy fiziologii (zav. - akademik AN UkrSSR Ye. B.Babskiy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; KARPMAN, V.L.; SADOVSKAYA, G.V.; TISHCHENKO, M.I.

Physicophysiological study of the high-frequency ballistocardiogram of a healthy man. Kardiologiia 2 no.1:44-52 Ja-F '62. (MIRA 15:5)

1. Iz laboratorii klinicheskoy fiziologii (zav. - akademik AN USSR Ye.B.Babskiy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V.Parin) i Instituta terapii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov).

(BALLISTOCARDIOGRAPHY)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; IVANOV, V.S.; NIKISHIN, G.V.

Use of cardiocyclography in physiological and clinical investigations. Kardiologiia 2 no.6:77-81 N-D'62. (MIRA 17:8)

1. Iz laboratorii klinicheskoy fiziologii (zav. - akademik AN UkrSSR Ye.B. Babskiy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; UL'YANINSKIY, L.S. (Moskva)

Experimental reproduction of cardiac arrhythmia. Pat. fiziol. i eksp. terap. 6 no.1:10-15 Ja-F '62. (MIRA 15:3)

1. Iz laboratorii klinicheskoy fiziologii (zav. - akademik AN USSR Ye.B. Babskiy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

(ARRHYTHMIA)

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NIKITIN, V.N.; NOVIKOVA, A.I.; TSIKALO, A.P.

Changes with age in the tissue fractions of phosphorus and phosphorus fractions of "structural proteins" (liponucleoprotein complexes extracted by Edsall's reagent) in the heart, kidneys, and intestines of white rats. Uch. zap KHGU 108:81-94 '60. (MIRA 14:3)

1. Kafedra fiziologii cheloveka i zhivotnykh Khar'kovskogo gosudarstvennogo universiteta.
(NUCLEOPROTEINS) (AGE)
(PROTEIN METABOLISM)

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BABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.

Reflex changes in the rhythmical adaptation of the heart auricles and ventricles, related with respiration. Dokl. AN SSSR 144 no.5:1189-1191 Je '62. (MIRA 15:6)

1. Institut normal'noy i patologicheskoy fiziologii Akademii meditsinskikh nauk SSSR. 2. Akademiya nauk USSR (for Babskiy).
(HEART BEAT) (RESPIRATION)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; SAL'M'ANOVICH, V.S.; DONSKIKH, Ye.A.

Physiological mechanisms underlying the alternation of electric and mechanical phenomena of cardiac activity. Dokl. AN SSSR 146 no.6:1452-1455 O '62. (MIRA 15:10)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
2. AN UkrSSR (for Babskiy).

(ELECTROCADRIOGRAPHY)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; BARANOVSKIY, A.L.; GANELIN, G.Z.; UL'YANINSKIY, L.S.; USHAKOVA, I.A.

Electric stimulation of the heart by radio-frequency pulse transmission. Dokl. AN SSSR 147 no.1:255-258 N '62. (MIRA 15:11)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR. 2. AN UkrSSR (for Babskiy).
(ELECTROCARDIOGRAPHY)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Yevgeniy Borisovich; KARPMAN, Viktor L'vovich; GOLUBYKH, L.I., red.; MATVEYEVA, M.M., tekhn. red.; CHULKOV, I.F., tekhn. red.

[Dynamocardiography] Dinamokardiografiia. Moskva, Medgiz, 1963. 167 p. (MIRA 16:12)

(CARDIOGRAPHY)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik, red.; PARIN, V.V., red.; GOLUBYKH, L.I., red.; PARAKHINA, N.L., tekhn. red.

[Modern methods of investigating the functions of the cardiovascular system] Sovremennye metody issledovaniia funktsii serdechno-sosudistoi sistemy. Pod red. E.B. Babskogo i V.V.Parina. Moskva, Medgiz, 1963. 205 p. (MIRA 16:9)

1. Akademiya meditsinskikh nauk SSSR, Moscow. 2. AN Ukr.SSR (for Babskiy). 3. Deystvitel'nyy chlen AMN SSSR (for Parin).
(CARDIOVASCULAR SYSTEM)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

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CHAZOV, Ye.I.; ANDREYENKO, G.V.; SPEKTOROVA, Z.G.; RAYEVSKAYA, V.V.; MOISEYEV, S.G.; BABSKIY, Ye.B.; BREDIKIS, Yu.I.; KUSHKIY, R.O.; KALITEYEVSKAYA, V.F.; BEREZOV, Ye.; POKROVSKIY, A.V.; MEL'NIK, I.Z.; AGRANENKO, V.A.; VINOGRADOVA, I.L.; SKACHILOVA, N.N.; VIKHERT, A.M.; ZAMYSLOVA, K.N., prof.; SOKOLOVSKIY, V.P., prof.; BEYUL, Ye.A., kand.med.nauk; SOLOV'YEV, V.V.

Minutes of the meetings of the Moscow Society of Therapeutists. Terap.arkh. 35 no.1:112-118 Ja'63. (MIRA 16:9)
(THERAPEUTICS--ABSTRACTS)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; SORIN, A.M.; BELOUSOV, A.S.; ZHUKOV, Yu.S.; DIMANIS, V.I.

Radiotelemetric investigation of temperature in the digestive tract of man. Dokl. AN SSSR 149 no.5:1213-1216 Ap '63. (MIRA 16:5)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR i Terapevticheskaya klinika TSentral'nogo instituta usovershenstvovaniya vrachey. 2. AN UkrSSR (for Babskiy).
(ALIMENTARY CANAL) (BODY TEMPERATURE)
(TELEMETER (PHYSIOLOGICAL APPARATUS))

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.; KOSHARSKAYA, I.L.

Preautomatic pause as a consequence of the suppression of the automatism of the rhythm conducers of the cardiac ventricles by high-frequency stimulations. Dokl. AN SSSR 150 no.1:203-206 My '63. (MIRA 16:6)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
2. AN UkrSSR (for Babskiy).

(HEART) (ELECTROPHYSIOLOGY)

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BABSKIY, Ye.B., akademik; DONSKIKH, Ye.A.

Rate of the conductance of a stimulus in the myocardium and cardiac rhythm. Dokl. AN SSSR 150 no.2:424-427 My '63. (MIRA 16:5)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
2. AN UkrSSR (for Babskiy).
(HEART BEAT) (ELECTROPHYSIOLOGY) (HEART--MUSCLE)

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BABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.

Effect of electric stimulation of the sinoauricular ganglion on atrioventricular conduction in excitation of the vagus nerve. Dokl. AN SSSR 150 no.4:942-944 Je '63. (MIRA 16:6)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
2. Akademiya nauk UkrSSR (for Babskiy).
(NERVES, CARDIAC) (VAGUS NERVE)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.

"Escape" of the heart from the effect of the vagus nerve and the Tarkhanov-Puelma phenomenon. Dokl. AN SSSR 151 no.5:1232-1235 Ag '63. (MIRA 16:9)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
2. AN UkrSSR (for Babskiy).

(VAGUS NERVE) (HEART--INNERVATION)

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BABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.

Mechanism of the stoppage of the ventricles of the he-- by stimulation of the vagus nerve. Dokl. AN SSSR 152 ..5:1263-1266 O '63. (MIRA 16:12)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
2. AN UkrSSR (for Babskiy).

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BABSKIY, Ye.B., akademik; SAL'MANOVICH, V.S.; DONSKIKH, Ye.A.

Wenkebach's periodicity in frequent rhythmical stimulation of a strip of myocardium from the ventricle of a frog. Dokl. AN SSSR 153 no.4:966-969 D '63. (MIRA 17:1)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR. 2. AN UkrSSR (for Babskiy).

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

ACCESSION NR: AP4012877 S/0248/64/000/002/0008/0026

AUTHOR: Parin, V. V.; Babskiy, Ye. B.

TITLE: Main trends and perspectives for application of modern technology to medicine

SOURCE: AMN SSSR. Vestnik, no. 2, 1964, 8-26

TOPIC TAGS: new clinical equipment, new investigation methods, electronic equipment, diagnostic electronic computer, radiotelemetry, synchronous body process recording, automatic control equipment, echographia, television, radioactive isotope, medical data processing, heart pace maker, surgical equipment

ABSTRACT: The article is a general survey of Soviet attainments and goals in the field of medicine. New methods and equipment based on recent technological developments are described in reference to gathering, measuring, storing, and automatic processing of medical data for use in diagnosis, therapy, preventive medicine, and automatic control of body functions. Orig. art. has: None.

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ACCESSION NR: AP4012877

ASSOCIATION: Institut normal'noy i patologicheskoy fiziologii AMN SSSR, Moscow (Institute of Normal and Pathological Physiology AMN SSSR)

SUBMITTED: 00 DATE ACQ: 02Mar64 ENCL: 00

SUB CODE: LS NO REF SOV: 000 OTHER: 000

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye. B., akademik; SORIN, A. M.; BELOUSOV, A. S.; MALKIMAN, I. I.; NESTEROVA, A. P.

Radiotelemetric study of the pH in the digestive tract. Dokl. AN SSSR 156 no. 1:222-224 My '64. (MIRA 17:5)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR i TSentral'nyy institut usovershenstvovaniya vrachey. 2. AN UkrSSSR (for Babskiy).

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

ACCESSION NR: AP4038532

S/0020/64/156/003/0719/0720

AUTHOR: Babskiy, Ye. B.; (Academician); Belousov, A. S.; Malkiman, I. I.; Nesterova, A. P.; Sorin, A. S.

TITLE: Application of radiotelemetry for investigation of the evacuating function of the stomach

SOURCE: AN SSSR. Doklady*, v. 156, no. 3, 1964, 719-720

TOPIC TAGS: radiotelemetry, stomach evacuation function, physiology, duodenum, stomach ulcer

ABSTRACT: The authors have previously described (DAN 156, #1 (1964)) a method for investigation of pH of the content of the stomach and intestines by a radio-capsule. In the present paper, they compare the recording of pH of the duodenum of healthy people with that of people with ulcers, taken both on empty stomach and after a breakfast of bread. The pH content follows in time a different pattern in healthy and in ill people. The method permits the investigation of the stomach evacuation in people in a similar way as it is done in dogs with the fistula of the duodenum. Orig. art. has: 2 figures.

Card 1/2

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ACCESSION NR: AP4038532

ASSOCIATION: Institut normal'noy i patologicheskoy fisiologii Akademii meditzinskikh nauk SSSR (Institute for Normal and Pathological Physiology). Vtoraya terapevticheskaya Klinika Central'nogo instituta usovershenstvovaniya vrechey (Second Therapeutic Clinic of the Central Institute for the Advancement of Physicians)

SUBMITTED: 27Feb64 DATE ACQ: 09Jun64 ENCL: 00

SUB CODE: LS NO REF SOV: 001 OTHER: 000

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

B[illegible]KIY, Ye.B.; UL'YANINSKIY, L.S.

Mechanism of the influence of the vagus nerve on the cardiac ventricles. Fiziol. zhur. 50 no.8:1000-1007 Ag '64. (MIRA 18:12)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; KARPMAN, V.L.; IVANITSKAYA, I.N.

Normal duration of electric systole in man. Dokl. AN SSSR 156 no.6:1472-1475 Je '64. (MIRA 17:8)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
2. Akademiya nauk UkrSSR (for Babskiy).

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L 13637-65 EWG(j)/EWG(r)/EWT(1)/FS(v)-3/EWG(v)/EWG(a)/EWG(c) Pb-4/Pe-5/Pb-4
AMD/AFMDC/AFTC(b)/ESD(c) DD
ACCESSION NR: AP4047333 S/0020/64/158/004/0993/0996

AUTHOR: Babskiy, Ye. B. (Academician AN UkrSSR); Sorin, A. M.; Belousov, A. S.; Dimanis, V. I.; Malkiman, I. I.

TITLE: Radiotelemetric investigation of pressure in the human gastrointestinal tract

SOURCE: AN SSSR. Doklady*, v. 158, no. 4, 1964, 993-996

TOPIC TAGS: biotelemetry, radio capsule, gastrointestinal pressure, bioinstrumentation

ABSTRACT: A radiotelemetric device for studying pressure along the gastrointestinal tract is presented, consisting of a radio transmitter, an endoradiosonde, and a receiver-analyzer with an antenna and a recording instrument. The endoradiosonde for registering pressure consists of an inductance pickup, a high-frequency generator, and a feed source. The overall dimensions of this device are: 1) length, 18—20 mm; 2) diameter, 8 mm; 3) weight, 2.1 gm. The pressure pickup consists of an inductance coil with two ferrite rings on end plates and a mobile ferrite rod suspended by a spiral spring and attached to

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ACCESSION NR: AP4047333

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a hermetically sealed membrane which, in turn, is connected to the end plates of the capsule. During pressure fluctuations between 0 and 200 cm (water column), displacement of the ferrite rod does not exceed 0.5 mm. Some of the radiocapsules can measure pressure from -50 to +200 cm. The generator operates at a frequency of 2 mc. The feed source serves a miniature 1.35-v, mercury-oxide unit, with a capacitance which ensures continuous operation of the generator for 100 hr. The capsule is enclosed in a thin, hermetic shell and takes 1—4 days to pass through the human GI tract. The position of the capsule in the GI tract is determined by x-ray. The construction of the capsule is such that it can register pressure variations and duration of muscle contraction along the entire GI tract. Orig. art. has: 4 figures.

ASSOCIATION: Institut normal'noy i patologicheskoy fiziologii Akademii meditsinskikh nauk SSSR (Institute of Normal and Pathological Physiology, Academy of Medical Sciences, SSSR); Tsentral'ny*y institut usovershenstvovaniya vrachey (Central Institute of Graduate Medicine)

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L 13637-65
ACCESSION NR: AP4047333

SUBMITTED: 28Apr64 ENCL: 00 SUB CODE: LS, EC

NO REF SOV: 000 OTHER: 004 ATD PRESS: 3130

Card 3/3

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; UL'YANSKIY, L.S.

Direct proof of the suppression of the automaticity of ventricular rhythm conductors by means of a frequent rate of stimulation. Dokl. AN SSSR 159 no.5:1187-1190 D '64 (MIRA 18:1)

1. An UkrSSR (for Babskiy).

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; SAL'MANOVICH, V.S.; KOSHARSKAYA, I.L.

Interrelationship between the duration of the phases of cardiac cycle and the rate of pressure change in right and left ventricles. Dokl. AN SSSR 161 no.4:986-988 Ap '65. (MIRA 18:5)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.

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[Physiology, medicine and technical progress] Fiziologiia, meditsina i tekhnicheskii progress. Moskva, Nauka, 1965. 137 p. (MIRA 18:4)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.

Effect of the cardiac activity rhythm on the length of the pause of the ventricles following stimulation of the vagus nerve. Dokl. AN SSSR 159 no.2:461-463 N '64. (MIRA 17:12)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
2. AN SSSR (for Babskiy).

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B.; UL'YANINSKIY, L.S.

Mechanism of ventricular asystole following stimulation of the vagus nerve. Trudy Inst.norm.i pat.fiziol. AMN SSSR 7:16-18 '64. (MIRA 18:6)

1. Laboratoriya klinicheskoy fiziologii (zav. - akademik AN UkrSSR Y.B.Babskiy) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye.B., akademik; UL'YANINSKIY, L.S.

Mechanism of the effect of the vagus nerve on the ventricular extra-systole. Dokl. AN SSSR 163 no.1:254-257 Jl '65. (MIRA 18:7)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABSKIY, Ye., akademik; SORIN, A., inzh.

Radio pills. Radio no.8:31-32 Ag '65. (MIRA 18:7)

1. AN UkrSSR (for Babskiy).

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BABSKIY, Ye.B., akademik, red.; PARIN, V.V., red.; GOLUBYKH, L.I., red.

[Achievements of modern technology in medicine] Dostizheniia sovremennoi tekhniki v meditsine. Moskva, Meditsina, 1965. 171 p. (MIRA 18:9)

1. Akademiya nauk Ukr.SSR (for Babskiy). 2. Deystvitel'nyy chlen AMN SSSR (for Parin).

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BABSKIY, Ye.B.; PARIN, V.V.

Problems and methods of clinical physiology. Vest. AMN SSSR no.4:52-63 '65. (MIRA 18:10)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva.

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BABSKIY, Ye.B., akademik; DONSKIKH, Ye.A.

Effect of $NiCl_2$ on electric and mechanical activity of the myocardium of a frog. Dokl. AN SSSR 164 no.5:1197-1200 O '65. (MIRA 18:10)

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BABSKIY, Ye.B.; [illegible]FENOV, Yu.V.; RABINOVICH, N.I.

Summary amplitude of body fluctuations as an index of the stability of the standing posture in man. Biul. eksp. biol. i med. 60 no.8:122-125 Ag '65. (MIRA 18:9)

1. Laboratoriya klinicheskoy fiziologii (zav.- akademik AN UkrSSR Ye.B. Babskiy) Instituta normal'noy i patologicheskoy fiziologii (dir.- deystvitel'nyy chlen AMN SSSR V.V. Parin) AMN SSSR, Moskva.

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L 35003-66 EWP(k)/EWT(d)/EWP(h)/T/EWP(1)/EWP(v) RH

ACC NR: AP6019570 SOURCE CODE: UR/0115/66/000/004/0003/0006

AUTHOR: Arutyunov, V. O. (Doctor of technical sciences); Babskiy, Ye. V.; Dzharak'yan, T. K; Krotkov, I. N.; Tishchenko, M. I.

ORG: none

36
30
B

TITLE: Role and problems of metrology in biology and medicine

SOURCE: Izmeritel'naya tekhnika, no. 4, 1966, 3-6

TOPIC TAGS: ~~medical~~ metrology, biological ~~metrology~~, medical equipment, ~~standards~~, ~~biological equipment standards~~, ~~medical instrumentation specifications~~, ~~biological instrumentation specifications~~ medical science

ABSTRACT: Particular need is felt for standardizing medical equipment used for the automatic control, registration, and regulation of biological functions, as well as for designing artificial organs. The importance of standard criteria in diagnosing, treating, and preventing disease requires that physical parameters be measured with maximum accuracy which is difficult to achieve without universally accepted standards. The ever-expanding mass and use of quantitatively evaluated, stored, and processed data calls for the development and establishment of a system of standard measurement units functionally related to units of physical and chemical measurement, as well as the consolidation of

Card 1/2 UDC: 389.0 : 61

Card 2/2 af

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABST, G. (Berlin)

Containers in maritime transportation of the German Democratic Republic. Tech gosp morska 13 no.12:381-382 D'63.

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ATABEKOVA, I.; BABT, G.

Small and large molecules with a skeleton of carbon atoms. IUn. tekh. 2 no.8:31-32 Ag '58. (MIRA 12:7)
(Molecules)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABT, G., prof.

Voyage to "P.F. land" (conclusion). IUn.Tekh. 4 no.5: 32-35 My '60. (MIRA 13:7)
(Electricity)

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BABTSOVA, A.P.

Striving for the technological progress. Tekst.prom. 23 no.11:15-16 N '63. (MIRA 17:1)

1. Zamestitel' predsedatelya Ukrainskogo respublikanskogo pravleniya Nauchno-tekhnicheskikh obshchestv.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABTSOVA, A.P.; MALINSKIY, M.M. [Malyns'kyi, M.M.]

Scientific and technical society of the light industry and production. Leh. prom. no.2:59-61 Ap-Je '63. (MIRA 16:7)

(Ukraine—Technological innovations)

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CIBIRAS, P., kand. med. nauk; DAKTARAVICIENE, E., kand. med. nauk; JARZEMSKAS, J., kand. med. nauk [deceased]; JOCEVICIENE, A., kand. med.nauk; KRIKSTOPAITIS, M., kand. med. nauk; NENISKIS,J., kand. med. nauk; STEPONAITIENE, L., kand. med. nauk; SURKUS, J., kand. med. nauk; SIIMANAS, S., kand. biolog. nauk; CEPULIS, St., prof.; KUPCINSKAS, J., prof.; LASAS, Vl., prof.; SIDERAVICIUS,Br., prof.; KANOPKA, E.,dots.; KVIKLYS, V.,dots.; LABANAUSKAS, K., dots.; POLUKORDAS, H., dots.; BABUBLYS, P., doktor; CAPKEVICIUS,V., doktor; MAKARIUNAS, P., doktor; PAKONAITIS, P., doktor; STUOKA.R., doktor; SURGAILIS, H., doktor; PAULIUKONIENE, J., red.; ANAITIS,J., tekhn. red.

[Health and diseases] Antrasis pataisytas leidimas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1961. 356 p. (MIRA 15:3)

(HYGIENE) (PATHOLOGY)

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BABUDER, C. (DR)

SURNAME (in caps); Given Names

Country: Yugoslavia

Academic Degrees:

Affiliation:

Source: Belgrade, Veterinarski glasnik, No 10, 1961, pp 799-860.

Data: "Veterinary Services of Yugoslavia in 1960."

Editors:

MIHAJLOVIC, S., Dr., Director of the Federal Administration for Veterinary Affairs (Director Savezne uprave za poslove veterinarstva);
BUGARSKI, M., Executive Head (nacelnik);
VIDRIC, K., Dr.
BABUDER, C., Dr.
POPOVIC, M.
JAKSIC, D.
PETROVIC, D.
ILIC, V.
PIRUZE, P.

Federal Veterinary Inspectors and Arbitrators (Savezni veterinarski inspektori i referenti)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

RABUDSKIY B.D

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[illegible] the stained lymphatics. Passive movement of the extremities brings about a more rapid distribution of the dye. Analagous results were obtained with human subjects. The rate of distribution of the dye depends not only on the condition of the skin but also on the rate of blood and lymph flow. In carrying out the test, standard conditions must be observed. (Russian) H. ASHER

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YEL'YASHKEVICH, Samuil Abramovich; PEVZNER, I.M., inzh., retsenzent; BABUK, G.V., inzh., retsenzent; PEVZNER, I.N., red.; ZHITNIKOVA, tekhn. red.

[Elimination of faults in television receivers] Ustranenie neispravnostei v televizore. Izd.3., perer. i dop. Moskva, Gos. energ. izd-vo, 1961. 205 p. (Massovaia radiobiblioteka, no. 387)
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BABUK, Georgiy Vladimirovich; FINOGEYEV, Gennadiy Maksimovich; MATLIN, I.I., red.; SHEFER, G.I., tekhn. red.

[Conversion of the PTP-1 block for operation in the 174-230 mc. band] Peredelka bloka PTP-1 dlia raboty v diapazone 174-230 Mgts. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1961. 45 p. (MIRA 15:2)
(Television--Receivers and reception)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000102910020-6

BABUK, Georgiy Vladimirovich; FINOGEYEV, Gennadiy Maksimovich; MATLIN, I.I., red.; SHEFER, G.I., tekhn. red.

[Conversion of the PTP-1 block for operation in the 174-230 mc. band] Peredelka bloka PTP-1 dlia raboty v diapazone 174-230 Mgts. Moskva, Sviaz'izdat, 1961. 45 p. (MIRA 15:5)
(Television--Receivers and reception)

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BABUK, G.V., konstruktor; FINOGEYEV, G.M., inzh.

PNP-1 device for tuning the high-frequency stages of television receivers. Vest. sviazi 22 no.3:11-12 Mr '62. (MIRA 15:2)
(Television--Receivers and reception)

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BABUK, Georgiy Vladimirovich; VEYTSMAN, G.I., red.; SLUTSKIN, A.A., tekhn. red.

[Tuning of high-frequency television receiver stages] Nastroika vysokochastotnykh blokov televizionnykh priemnikov. Moskva, Sviaz'izdat, 1962. 78 p. (Biblioteka "Televizionnyi priem," no.2) (MIRA 15:7)

(Television—Receivers and reception)

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