

YUR'YEV, Yu.I., kand.tekhn.nauk; GERMET, G.M., inzh.

New developments in the field of circular saws. Der.prom. 10 no.5:
14-15 My '61. (MIRA 14:5)

1. Arkhangel'skiy lesotekhnicheskii institut im. V.V.Kirybysheva.
(Circular saws)

KONDRATOVICH, N.Ye.; GERNET, G.M.

Economic effectiveness of the use of pneumatic and hydraulic
mechanisms in sawmilling. Der. prom. 13 no.8:14-15 Ag '64.
(MIRA 17:11)

GERNET, G. Ye.

"Stars With Strongly Absorbing Shells." Cand Phys-Math Sci,
Main Astronomical Observatory, Acad Sci USSR, Leningrad, 1954.
(RZhAstr, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

GERNET, G. Ye. (Leningrad)

Efficiency of the tentative potential method in solving
Schrodinger's equation. Zhur. vych. mat. i mat. fiz. 2 no.5:
950-951 S-0 '62. (MIRA 16:1)

(Electronics--Scattering) (Functions)

L 33016-06 ENT(1)/T LFC

ACC NR: AP6015083

SOURCE CODE: UR/0020/66/168/001/0063/0064

AUTHOR: Gernet, G. Ye.ORG: Leningrad Electrical Engineering Institute of Communications im. M. A. Bonch-Bruyevich (Leningradskiy elektrotekhnicheskiy institut svyazi)

TITLE: Effect of radiation deceleration on the motion of a relativistic particle in a uniform magnetic field

SOURCE: AN SSSR. Doklady, v. 168, no. 1, 1966, 63-64

TOPIC TAGS: relativistic particle, particle motion, bremsstrahlung, homogeneous magnetic field

ABSTRACT: The trajectory of a charged particle changes during motion in a magnetic field due to loss of energy caused by magnetic bremsstrahlung (synchrotron radiation). The following equation is derived for the change in energy:

$$dw/dt = -\delta[(w/w_0)^2 - 1],$$

where

$$\omega = eH/mc, \quad \delta = \frac{2}{3}e^4 H^2 / m^3 c^3$$

Card 1/2

UDC: 538.691

L 33016-66

ACC NR: AP6015083

and

$$w_{\infty} = 1 / \sqrt{1 - u_i^2}$$

is the limiting value of w as $t \rightarrow \infty$. The integral of this equation is

$$w = w_{\infty} \operatorname{cth} (\delta t / w_{\infty} + C_0).$$

The constant C_0 is determined from the condition $w=w_0$ at $t=0$. It is shown that the transverse components of velocity are attenuated and disappear at $t \rightarrow \infty$. The energy is reduced to one half in time $v_1/w_0 \delta \sin^2 \theta$ where θ is the angle between the initial velocity vector and the direction of the field. I thank Professor L. E. Gurevich for discussing the work. Orig. art. has: 15 formulas.

SUB CODE: 20/ SUBM DATE: 03Jun65/ ORIG REF: 001/ OTH REF: 000

Card 2/2

GERNET, M. S.

Gernet, M. S. - "Equilibrium of returning masses of mill grinders", Trudy Vsesoyuz. nauch.-issled. in-ta zerna i produktov ego pererabotki, Issue 16, 1949, p. 5-51.

So: U-L110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

1. K. I. A.

Kernet, M. K. - "An analytic method of calculating the head profile of a high-speed bucket conveyor", Izv. Vsesoyuz. nauch.-issled. in-ta zerna i produktov ego pererabotki, Issue 16, 1949, p. 92-106.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'n, kh Statey, No. 19, 1949).

GERNET, M.M., professor.

Geometry of masses applied to the moving parts of milling
machinery. Trudy MTIPP 2:173-210 '52. (MIRA 9:2)
(Balancing of machinery) (Grain-milling machinery)

ARTOBOLEVSKIY, I.I., akademik; GERNET, M.M., doktor tekhn. nauk, prof.

Mechanism for plotting a trochoid and its possible use. Izv. vys.
ucheb. zav.; mashinostr. no.11/12:3-7 '58. (MIRA 13:3)

1.Moskovskiy aviatsionnyy institut im. S.Ordashonikida (for Artobolev-
skiy). 2.Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti
(for Gernet).

(Mathematical instruments)

VORONKOV, I.M., prof.; GERNET, M.M., prof.; DOBRONRAVOV, V.V., prof.;
KOSMODEM'YANSKIY, A.A., prof.; LOYTSYANSKIY, L.G., prof.;
SVESHNIKOV, G.N., prof.; SLOBODYANSKIY, M.G., prof.; YABLONSKIY,
A.A., prof.; POGOSOV, G.S., dotsent

[Program in theoretical mechanics for majors in machinery
designing, mechanics, instrument designing, electrical engi-
neering, and construction at advanced technical institutions
(220 hours)] Programma po teoreticheskoi mekhanike dlia mashino-
stroitel'nykh, mekhanicheskikh, priborostroitel'nykh, elektro-
tekhnicheskikh i stroitel'nykh spetsial'nostei vysshikh tekhnicheskikh uchebnykh zavedenii (220 chasov). Moskva, Gos.izd-vo
"Vysshaya shkola," 1959. 10 p. (MIRA 13:2)

1. Russia (1923- U.S.S.R.) Ministerstvo vysshego obrazovaniya.
(Mechanics, Analytical)

GERNET, M.M., doktor tekhn.nauk, prof.; DIKIS, M.Ya., doktor tekhn.nauk, prof.; LUK'YANOV, V.V., doktor tekhn.nauk, prof. [deceased]; POPOV, V.I., doktor tekhn.nauk, prof.; SOKOLOV, A.Ya., doktor tekhn.nauk, prof.; SOKOLOV, V.I., doktor tekhn.nauk, prof.; SURKOV, V.D., doktor tekhn.nauk, prof.; BARANOVSKIY, N.V., kand.tekhn.nauk, dots.; BROVDO, B.Ye., kand.tekhn.nauk, dots.; BUZYKIN, N.A., kand.tekhn.nauk, dots.; GOROSHENKO, M.K., kand.tekhn.nauk, dots.; GORTINSKIY, V.V., kand.tekhn.nauk, dots.; GREBINYUK, S.M., kand.tekhn.nauk, dots.; GUS'KOV, K.P., kand.tekhn.nauk, dots.; DEMIDOV, A.R., kand.tekhn.nauk, dots.; ZHISLIN, Ya.M., kand.tekhn.nauk, dots.; KARPIN, Ye.B., kand.tekhn.nauk, dots.; KOSITSYN, I.A., kand.tekhn.nauk, dots. [deceased]; GEYSHTOR, V.S., kand.tekhn.nauk, dots.; MARSHALKIN, G.A., kand.tekhn.nauk, dots.; MOLDAVSKIY, G.Ye., kand.tekhn.nauk, dots.; ODESSKIY, D.A., kand.tekhn.nauk, dots.; PELEYEV, A.I., kand.tekhn.nauk, dots.; RUB, D.M., kand.tekhn.nauk, dots.; SKOBLO, D.I., kand.tekhn.nauk, dots.; SHUVALOV, V.N., kand.tekhn.nauk, dots.; KIMEL'NITSKAYA, A.Z., red.; SOKOLOVA, I.A., tekhn. red.

[Principles of the design and construction of machinery and apparatus for the food industries] Osnovy rascheta i konstruirovaniia mashin i apparatov pishchevykh proizvodstv. Moskva, Pishchepromizdat, 1960.
741 p. (MIRA 14:12)

(Food industry--Equipment and supplies)

GERNET, Mikhail Mikheylovich, prof.; SVESHNIKOV, G.N., zasl.
deyatel' nauki prof., retsenzent; VESELOVSKIY, I.N.,
doktor fiz.-mat. nauk, prof., retsenzent; POGOSOV, G.S.,
kand. fiz.-matem. nauk, dots., nauchn. red.

[Course in theoretical mechanics] Kurs teoreticheskoi me-
khaniki. Moskva, Vysshaya shkola, 1965. 406 p.
(MIRA 18:7)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche im. N.Ye.
Baumana (for Veselovskiy).

4

GARNET, E.V.

Hydrogen in electrolytic chromium. H. GARNET. *J. Applied Chem. (U. S. S. R.)* 4, 429-47(1931).—In the electrolysis solns. contg 250 g. CrO₃ and 2 g. SO₂ / l. at 0.05" and with c. ds of 5-10 amps / sq in., the Cr obtained begins to evolve H₂ in situ at 135-150°, and most of the gas is evolved at below 350°. Temp. abn. the rate of evolution of H₂. One vol. of Cr may contain 40-100 vols. of H₂, the ratio being un- affected by the c. d., provided the yield of Cr stays const. At low temps. the yield depends on c. d., and the higher is the yield of Cr, the lower the yield of H₂. The H₂ content is independent of time of electrolysis. V. KALCHURVSKY

METALLURGICAL LITERATURE CLASSIFICATION

GERNET, E.V.

The silver oxides used in the production of cesium photoelectric cells. B. V. Gernet and K. K. Dyakov. *J. Tech. Phys. (U. S. S. R.)* 4, 1807 (1934). Surface cathodic oxidation of Ag in air by a silent discharge gives an oxide layer of the formula Ag_2O independent of the thickness of the oxide layer. The color of the layer is golden brown at 0.6V, violet at 1.5V, blue at 2.1V, deep blue at 2.8V, gray-blue at 3.3V and green at 3.5V vs. cm.

Thermal decompn. of Ag_2O obtained by discharge takes place at 250° to 350°, of that obtained by chemical methods, at 300° to 420°. Ag_2O decomposes at 170-220° to $2Ag_2O + O_2$. O₂ and Ag do not react either at 450° or at -181°. Differences in the properties of Cs-Ag photoelectric cells prepd. by various means are due not to differences in chem. compn. but to difference in physical structure. F. H. R.

ASH 56.8 METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS PROCESSES AND PROPERTIES INDEX

CERNET, EV *B-I 3*

13C

Preparation of magnesium oxide from brinn.
 A. V. GAVRIL (J. Chem. Ind. Russ., 1934, 10, No. 6, 61--65).—A product containing MgO 86.5, CaO 6.8, SiO₂ 0.7, and Cl 0.6% is obtained by adding CaO to brinn containing 1.2% of Mg, and calcining the ppt. at 800--900°.
 R. T.

ASH-15-A METALLURGICAL LITERATURE CLASSIFICATION

REPORT NO.	ISSUE NO.	DATE	AUTHOR	TITLE	SYNOPSIS

GERNET, E.V.

117 AND 118 BOOKS

POSITIONS AND PROPERTIES INDEX

E. H.

2

Acrochemical survey of the Esapatoria and Molokai health resorts. H. S. Burkner and H. V. Gernert. *Izv. Akad. sci. USSR. S. S. R. S. No. 3, 6-21 (in English, 31) (1940).*—Air coming from the Black and Syvash Seas had the following NoCl contents: over the health resort, 834 γ per cu. m.; over the beach, 813 γ ; over Molokai Lake, 801 γ ; and to the west 804 γ . P. H. Rathmann

AS & SLA METALLURGICAL LITERATURE CLASSIFICATION

6-21

117 AND 118 BOOKS

117 AND 118 BOOKS

GERNET, Ye.V., kand.khim.nauk

"Determination of harmful substances in the air." Reviewed by
E.V. Gernet. Gig.truda i prof. zab. 2 no.5:62-63 S-0 '58
(AIR--ANALYSIS) (MIRA 11:11)

GERMET, Ye.V., starshiy nauchnyy sotrudnik

Comparing the retaining capacity of various filters for the
determination of gravimetric smoke concentration. Gig. i san.
23 no.2:77-83 P '58. (MIRA 11:4)

1. Iz Gor'kovskogo nauchno-issledovatel'skogo instituta gigiyeny
truda i professional'nykh bolezney.

(SMOKE,

gravimetric concentration, determ. with various
filters (Rus))

GERBERT, Ye.V.; RUSSKIKH, A.A. (Gor'kiy)

Rapid method for the determination of hydrogen sulfide in the
air. Gig.truda i prof.zab. 3 no.3:51-54 My-Je '59.

(MIRA 12:10)

1. Institut gigiyeny truda i profbolezney.
(HYDROGEN SULFIDE)

9(6)

AUTHORS:

Gernet, Ye.V., Grigor'yev D.P.

SOV/32-25-2-57/71

TITLE:

Production of Screens for the Electron Microscope
(Polucheniye setok dlya elektronnoho mikroskopa)

PERIODICAL:

Zavodskaya Laboratoriya, 1959. Vol 25. Nr 4. pp 497-498 (USSR)

ABSTRACT:

To produce high-quality preparations plane metal screens to be used with the electron microscope EM-5 must be available. In the case of a method already described (Ref 1) some difficulties arise, and the article therefore gives a description of a new method for the production of these metal screens. In order to produce a negative, a thin copper screen (50-55 openings per mm^2) was contact-photographed on a diapositive film (light sensitivity 0.7 according to GOST). The source of light was a point lamp of the lighting fixture OI-7. After carefully cleaning a glass plate (6 x 9 cm), a silver film of 0.2 - 0.5 μ thickness is applied. Then the plate is dipped into a chrome tanned albumin solution and dried. The process, which is to be carried out in darkness, is repeated twice. The negative mentioned above is then printed on the glass plate prepared in the above way and the screen structure developed (with 10% K_3FeCy_6 and 12% $\text{Na}_2\text{S}_2\text{O}_3$ 1:3).

Card 1/2

Production of Screens for the Electron Microscope

SOV/32-25-4-57/71

The albumin is removed by hot water. Copper is then applied electrolycally on this screen structure, the copper screen which forms in this way is removed, and nickel is applied electrolytically. A punch (Fig 1) is used to cut screens with a diameter of 2 mm from this screen (6 x 9 cm, thickness 25-35 μ). Since the screens might be soiled or damaged during storage and handling a special case has been designed (Fig 2). It is of cylindrical shape and contains 12 rod magnets which hold the metal screens in the sheaths in which they are kept. There are 2 figures and 3 references. 2 of which are Soviet.

ASSOCIATION: Gor'kovskiy institut gigiyeny truda i profzabolevaniy
(Gor'kiy Institute of Industrial Hygiene and Occupational Diseases)

Card 2/2

GERMET, Ye. V.; RUSSKIKH, A.A.

Determination of aniline vapors in air. Zav.lab. 26 no.1:
58 '60. (MIRA 13:5)

1. Gor'kovskiy nauchno-issledovatel'skiy institut gigiyeny truda
i profbolezney.
(Aniline) (Air--Analysis)

PEREGUD, Yeva Abramovna; BYKHOVSKAYA, Mariya Solononovna; GERNET, Yelena Vladimirovna; KORENMAN, I.M., doktor khim. nauk, prof., red.; ODERBERG, L.N., red.; KOGAN, V.V., tekhn. red.

[Rapid methods for the determination of noxious substances in the air] Bystrye metody opredeleniia vrednykh veshchestv v vozdukh. Pod red. I.M.Korenmana. Moskva, Goskhimizdat, 1962.
(MIRA 15:7)
272 p.
(Air--Analysis) (Gases, Asphyxiating and poisonous)

PEREGUD, Ye.A.; GERMET, Ye.V.; KORENMAN, I.M., *zani. deyat. nauki*
prof., red.; PIASTRO, V.D., red.

[Chemical analysis of the air in industrial enterprises;
recommended methods for determining the permissible toxic
substances concentration in the air] Khimicheskii analiz
vozdukh promyshlennykh predpriatii; rekomenduemye metody
opredeleniia predel'no dopustimyykh koncentratsii vrednykh
veshchestv v vozdukhe. Moskva, Khimiia, 1965. 363 p.
(MIRA 18:7)

GERNGARDT, N.E.

New gold finds in the southern Timan Ridge. Razved.i okh.nedr 28
no.3:9-10 Mr '62. (MIRA 15:4)

1. Tsentral'naya poiskovo-revizionnaya ekspeditsiya.
(Timan Ridge--Gold ores)

GERNGARDT, N.E.

Leucoxene in oil sands in fields of the southern Timan Ridge. Izv.
vys.ucheb. zav.; geol.i razv. 5 no.6;50-55 Je '62. (MIRA 15:7)

1. Tsentralizovannaya ekspeditsiya geologorazvedochnogo tresta
No. 1.
(Timan Ridge—~~Leucoxene~~) (Timan Ridge—Oil sands)

GERNGARDT, N.E.

Titanium and rare-metal mineralization in reservoir sandstones
of some oil fields in the southern Timan Ridge. Sov. geol. 6
no.5:115-121 My '63. (MIRA 16:6)

(Timan Ridge--Oil sands)

(Timan Ridge--Ore deposits)

USSR / Virology

USSR / Virology. Human and Animal Viruses

E-2

Abs Jour: Ref Zhur - Bicl., No 6, 1958, 23994

Author : Gerngross, O. G.

Inst : Institute of Virology, Academy of Medical Sciences, USSR

Title : Characteristics of Influenza Epidemic Caused by Type D Virus in Vladivostok in 1956.

Orig Pub: Vopr. virusologii, 1957, No 2, 73-77

Abstract: In March of 1956 in Vladivostok an influenza epidemic was reported, where incidence of the disease doubly exceeded the maximal influenza infections for the past 12 years. A thorough study of the epidemic was conducted in one of the large factories. In some of the shops up to 50% of the workers were ill at one time. Predominantly the influenza cases were of a light or medium form. Serological examinations and diagnostics of types A, A' and B

Card 1/2

USSR / Virology. Human and Animal ...

GIERNSKAS, G. J.

USSR / Virology. Human and Animal Viruses

E-2

Abs Jour: Ref Zhur. Biol., No 6, 1958, 23995

Author: Gerbunova, A. S., Gerngross, O. G., Gnorizova, V. M.,
Bukinskaya, A. G.

Inst: Not given

Title: Grippe Type D Virus Strains Isolated in Vladivostok
and Their Role in the Outbreak of 1956. (Prelimi-
nary Communication).

Orig Publ: Vopr. virusologii, 1957, No 2, 77-86

Abstract: At the time of the influenza outbreak in Vladivos-
tok in 1956, five virus strains which agglutinated
chick erythrocytes and were apathogenic to mice on
initial passage, were isolated from nose and throat
washings of sick persons. Hemagglutination brought
about by the isolated strains was not inhibited by
standard anti-influenza sera A, A¹, B and C, but

Card 1/2

Grigorenko, I.G., Cand. med. Sci. -- (Title) "Etiology and epidemiology
of influenza in the city of Vladivostok." Vladivostok, 1968, 12
p. (Khabarovsk State Univ. Inst.) 100 copies (HL, 2, 48, 11)

- 194 -

GERNGROSS, O.G.; PYSIN, T.V.

Features of the influenza epidemic in Vladivostok in 1959. Vop.
virus. 5 no. 6:751 N-D '60. (MIRA 14:4)
(VLADIVOSTOK—INFLUENZA)

GERNGROSS, O.G., PYSINA, T.V.

Some characteristics of influenza epidemiology in Vladivostok in relation with the variability of viruses and immunity of the population. Trudy VladIEMG no.2:129-132 '62. (MIRA 16:3)

1. Iz Vladivostokskogo nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii i gigiyeny.

GERENKOV, V.I., PYSINA, T.V., SEREBRNIKOVA, I.N.

Characteristics of the influenza outbreak in Vladivostok in 1967.
Trudy Vind'EMC no.24133-136. 1967.

1. In Vladivostokskogo nauchno-issledovatel'skogo instituta
epidemiologii, mikrobiologii i gigieny.

GERNGROSS, G.S.

Strains of influenza virus isolated in Vladivostok in 1957-
1958. Trudy VladIEMG no.2(136-140) '62. (MIRA 18:3)

1. In Vladivostok Yugo nauchno-issledovatel'skogo instituta
epidemiologii, mikrobiologii i gig'iyeny.

3383h
S/137/62/000/001/169/237
A006/A101

189100

AUTHORS: Mantea, St., Geru, N., Gernica, E.

TITLE: Magnetic metallography

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 67, abstract 11477
("An. Rom.-Sov. Ser. metalurgie" 1961, v. 15, no. 2, 91-95; Roum.,
Russian summary)

TEXT: On the basis of experimental results obtained by Yeremin, Kittel, Akulov, and Bitter, the authors studied independently a new method, called magnetic metallography, which is intended to reveal various types of defects in the crystal lattice structure of Fe, steel and alloys. The method makes it possible: a) to reveal failure of metal compactness (porosity, inclusions, cracks etc); b) to indicate characteristics of the initial structure in the cast metal; c) to determine chemical inhomogeneity of the metal, arising due to primary crystallization conditions; d) to study structural or chemical inhomogeneity, caused by heat treatment, resulting in a simplified and accelerated analysis of defects in the metal. The magnetic method of analyzing defects in the metal consists in the examination of patterns, arising on the surface

Card 1/2

©ERNIGOJ, Boris, prof.inz. (Ljubljana)

"Machine tools" by F.J.Weber. Vol. 1: "Piston pumps and piston condensers." Reviewed by B.Cernigoj. Stroj vest 8 no.1/2:33 Ap '62.

1. Clan Urednistva, "Strojanski vestnik."

GERNIK, V.V.; FOTAPOV, V.G.

Using the magnetic prospecting method in calculating a volcanic
layer in the Polar Urals. Geofiz. razved. no.6:59-72 '61.

(MIRA 15:4)

(Ural Mountain region--Rocks, Igneous) (Copper ores)
(Magnetic prospecting)

BAYTIN, Ayzik Abramovich, dots.; MOTOVILOV, German Petrovich; GERNITS, Osva'd Ottovich, dots.; BARANOV, Nikolay Ivanovich, dots., [deceased]; KRESLIN, Ernst Petrovich, dots. [deceased]. Primal uchastiye MOTOVILOV, M.P., prof.; ZAKHAROV, V.K., prof., re-tsenzent; GORYACHEV, I.V., red.; FUKS, Ye.A., red. izd-va; LOBANKOVA, R.Ye., tekhn. red.

[Forest management] Lesoustroistvo. [By] A.A. Eitin i dr. Izd. 2., perer. i dop. Moskva, Goslesbumizdat, 1961. 283 p.

(MIRA 15:3)

1. Belorusskiy lesotekhnicheskiy institut (for Zakharov).
(Forest management)

MOTOVILLOV, German Petrovich; BAYTIN, A.A., dots., retsenzent;
LEVDIK, F.F., retsenzent; GEMITS, O.G., red.; L'KHONICH,
Ye.A., red.iad-va; GRECHISHCHEVA, V.I., tekhn. red.

[Forest management] Lesoustroistvo. Ind.3., perer. Mo-
skva, Goslesbumizdat, 1963. 249 p. (MIRA 17:3)

1. Leningradskaya lesotekhnicheskaya akademiya im. S.S.
Kirova (for Baytin). 2. Krasno-Bakurd'y lesnyy tekhnikum
(for Levdik).

GORCHAKOV, Ye.V.; GERNOVSKAYA, M.V.

Angular and spatial distribution of particles in the radiation belt.
Geomag. i aer. 1 no.6:897-901 N-D '61. (MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova,
Institut yadernoy fiziki.
(Cosmic rays)

GERNSTEIN I. L.

USSR/Electricity

Card : 1/1

Authors : Gernshtein, I. L., Laboratory Eng. of the Kiev DRTS.

Title : Determining the depth for laying underground cables

Periodical : Vest. Svyaz, 5, 16 - 17, May 1954

Abstract : The article deals with determining the depth for laying underground cables with polychlorovinyl coatings. A simple method of determination, based on sound-wave oscillations picked up through a telephone by the amplifier of a cable-finder, is given. Diagrams are included.

Institution :

Submitted :

GERO A
HOLLOSI, Katalin, Dr.; RADNAI, Bela, Dr.; GERO, Andor, Dr.; Remenar, Laszlo, Dr.

Necrotic polyangiitis and granulomatosis. Orv. hetil. 99 no.22:
729-735 1 June 58.

1. A Fovarosi Istvan Korhaz Korbonctani Osztalyanak (foorvos:
Radnai Bela dr.) a Gyali-uti Korhaz Belosztalyanak (foorvos: Gero
Andor dr.) es az Orszagos Idegsebészeti Intezet Szemeszeti Osztalyanak
(foorvos: Remenar Laszlo dr.) kozlemenye.

(CARDIOVASCULAR DISEASES, pathol.

polyangiitis, necrotic, with necrotic granulomatosis,
histopathol. (Hun))

(GRANULOMA, pathol.

necrotic granulomatosis with necrotic polyangiitis,
histopathol. (Hun))

VANKOS, Jozsef, Dr.; GERO, Andor, Dr.

Photodermatosis caused by sulfanilyl butylcarbamide. Orv. hetil. 100
no.17:615-618 26 Apr 59.

1. A Fovarosí Tanács V. B. Gyali uti Körháza (igazgató: Borza László
dr.) Borosztalyanak (főorvos: Borza László dr.) és Belosztalyanak
(főorvos: Gero Andor dr.) közleménye.

(ANTIDIABETICS, inj. eff.

carbutamide causing photodermatosis (Hun))

(SKIN DISEASES, etiol. & pathogen.

same)

HOLLOSI, Katalin, dr.; SZAM, Istvan, dr.; GERO, Andor, dr.

Pulmonary fibrosis and lung cancer in scleroderma. Orv.hetil. 101
no.31:1108-1111 31 J1 '60.

I. Fovarosí Istvan Korház, Korbonctani Üsztyaly, Budapesti
Orvostudományi Egyetem, IV. sz. Belklinika, Fovarosí Gyali uti
Korház, Belosztaly.

(LUNG NEOPLASMS, compl)

(PULMONARY FIBROSIS, compl)

(SCLERODEMA compl)

Neurology

SUMMARY

YANKO, Jozsef, Dr, CERK, Andor, Dr, FULVÉNY, Andor, Dr; Gyali Avenue Hospital, Dermatology (chief physician: EGRA, Jaszlo, Dr) and Medical Ward (chief physician: CERK, Andor, Dr) (Gyali Úti Forgas, Borostaly es Fehosztaly), Budapest.

"Acropathia Ulcero-Nutritiva."

Subject, Orvosi Hetilap, Vol 107, No 42, 16 Oct 66, pages 1987-1993.

Abstract: [Authors' Hungarian summary] Two sporadic and familial case of the acropathia ulcero-nutritiva syndrome (acraly located sensory disturbance, trophic bone and skin changes) are reported. The two forms of manifestation are considered to be variations of the same disease. In addition to the degenerative changes in the sensory nerves, other pathogenetic factors (dysplastic capillary system, advanced trauma, freezing, carentia, dysproteinemia, hormonal changes) are also attributed some role in the development of the trophic disturbances. As to nomenclature, the syndrome is classified among the systemic degenerative diseases of the nervous system. 14 Hungarian, 68 Western references.

1/1

GFRÖ, Ader, dr.; KELEMEN, Ader, dr.; FOMOTOR, László, dr.

Isolated gastric lymphogranulomatosis diagnosed intra vitam.
Orv. hetil. 105 no.32:1514-1516 9 Ag '64.

1. IX. ker. Tanács Gyali-uti Kórhaza, Belosztály és Fővárosi
István Kórház, Prosectura.

GERO, Gyula

State and trade union libraries. Munka 11 no.5:17 My '61.

1. "Könyvtáros" rovatvezetoje.

(Hungary--Libraries) (Hungary--Trade unions)

GERO, Gyorgy

Some questions of economic calculations in connection with
technical research. Elelm ipar 11 no.7/8:185-3 of cover 0 '57.

1. Elelmezesugyi Kozgazdasagi Kutato Csoport.

GERO, Gyorgy

Significance of economy minded industrial management.
Elelm ipar ll no.9/10:206-209 ll '57.

GERO, Gyorgy

Concentration and combination in the food industry. Elelm ipar
13 no.12:392-398 D '59.

1. Kozponti Elelmiszeripari Kutatointezet Impargazdasagi
Osztalya.

GERG, Gyorgy

Methodological problems of the international comparison of the prime cost of food stuffs (socially necessary work time). *Elalm ipar* 15 no.3:90-96 Mr '61.

1. Kozponti Elalmiszeripari Kutato Intezet.

ALMASI, Elemer, Dr.; GERO, Gyorgy; PERJES, Pal

The use of refrigerator trucks for the transportation of perishable foods. Elelm ipar 15 no.3:65-72 Mr '61.

1. Kozponti Elelmiszeripari Kutatointezet.

GFRO, Gyorgy

The classification system of enterprises. *Elelm ipar 14 no.4:*
125-126 Ap '60.

1. Kozponti Elelmiszeripari Kutatointezet.

GERO, Gyorgy

Dr. Pal Robert; an obituary. Elelm ipar 17 no.1:1 Ja '63.

1. "Elelmezesi Ipar" szerkeszto bizottsagi tagja.

Gero, I.

Programing by construction enterprises. p. 2

EPIITESUGYI SZEMLE. Budapest, Hungary. No. 1, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

GERO, Iuliu

Chests with surprises. Constr Buc 14 no. 673: 4;
1 December 1962.

1. Director-adjunct la scoala profesionala de constructii-
Timisoara.

GERO, Istvan, dr.; KUNOS, Laszlo

Technological production organization based on sequence programming in the construction industry (the SOP method).
Eptes szemle 7 no.9:261-265 '64.

1. Director, Institute of Building Economics and Organization of the Ministry of Building, Budapest (for Gero). 2. Science Division Head, Calculation Technique and Management Mechanization Enterprise of the Ministry of Building, Budapest (for Kunos).

GERO, Istvan, dr.

Role of the construction industry plant management in concentrating production forces. Munka szemle 8 no. 7:1-6
Jl '64.

GERO, J.; HAVA, M.

Depth of sleep and unconditioned interoception. Chesk fiz 2
no.4:404-409 '53. (SERIAL 3:7)

1. Farmakologicheskiy institut universiteta in, Karla IV v Prage.
(SLEEP,

*induced, relation of depth of sleep to blood pressure
responses to stimulation of renal chemoreceptors)
BLOOD PRESSURE,

*eff. of stimulation of renal chemoreceptors in various
depths of sleep)
(KIDNEYS, physiology,

*eff. of stimulation of chemoreceptors on blood pressures
in various depths of sleep)

GRECO, J.

Modification of interoceptive reflexes following application of hypnotics. Chekh.fiziol. 4 no.1:66-76 1955.

1. Institut farmakologii universiteta im. Karla IV v Prage.

(BLOOD PRESSURE, physiology,
eff. of stimulation of various interoceptors, eff. of
barbiturates on responses)

(REFLEX,
interoceptive, eff. of stimulation of interoceptors of
various visceral organs on blood pressure, eff. of bar-
biturates on responses)

(BARBITURATES, effects,
on blood pressure responses to stimulation of intero-
ceptors of various visceral organs)

GERG, J.

The 4th Congress of Czechoslovak Physiologists, Pharmacologist, and Biochemists.

P. 390, (Biologia) Vol. 12, no. 5, 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acquisitions (EEAI) Vol. 6, No. 11 November 1957

EXCERPTA MEDICA Sec 18 Vol. 2/5 Cardio July 55

1721. *Cardiovascular reflexes in single stages of narcosis* K otázke kardiovaskulárnych reflexov v jednotlivých štádiách narkózy. GERO J. Lab. Klin. Fyziol., Slov. Akad. Vied, Bratislava *Bratislavské lekár. Listy* 1957, 37/4 (193—200) Graphs 4

In deep narcosis the cardiovascular reflexes are weakened. In the stage of disappearing narcosis the pressor reflex is somewhat lower than in the quiescent stage, the depressor reflex is more intensive than in the quiescent stage. After complete disappearance of narcosis cardiovascular reflexes showed the same values as before narcosis.

Pojer - Brno (XVIII, 9*)

GERO, J.; GEROVA, M.

Arterial rheo-oscillography as a method of registration of vascular volume changes. Cesk. fysiол. 7 no.3:235-236 May 58.

1. Ustav experimentalnej mediciny SAV, Bratislava,
(PULSE,

arterial rheo-oscillography in arterial pulse volume changes
(Cz))

GERO, J.; GEROVA, M.

Volume and pressure oscillations of the sinus caroticus in hypotension.
Cesk. fysiол. 7 no.3:237-238 May 58.

1. Ustav experimentalnej mediciny SAV- odd. klinic. fysiologie, Bratislava.
(HYPOTENSION, exper.
carotid sinus volume & pressure variations (Cz))
(CAROTID SINUS, physiол.
volume & pressure variations in exper. hypotension (Cz))

GEROVA, M.; GERO, J.

Certain hemodynamic parameters of the region of the carotid sinus in moderate arterial hemorrhage. Cesk. fysiол. 7 no.3:238-240 May 58.

1. Ustav experimentalnej mediciny SAV, Bratislava.
(CAROTID SINUS, physiol.
hemodynamic parameters in exper. hemorrh. (Cz))
(HEMORRHAGE, exper.
carotid sinus hemodynamic parameters (Cz))

GEROVA, M.; GERO, J.

Vascular cutaneous beds during and after arterial hemorrhage. *Cesk. fysiол.*
7 no.4:326 July 58.

1. Ustav experimentalnej mediciny SAV, oddelenie klinickej fyziologie,
Bratislava.

(HEMORRHAGE, exper.

cutaneous vasc. bed during & after hemorrh. in dogs (Cz))

(SKIN, blood supply,
same)

GERO, J.; GEROVA, M.

Pressure and volume pulse oscillations of the carotid sinus and femoral artery. Cesk. fysiол. 7 no.5:456-457 Sept 58.

1. Ustav experimentalnej mediciny-- odd. klin. fysiол., Bratislava.
(HYPERTENSION, physiол.
carotid sinus & femoral artery pressure & volume pulse
oscillations (Cz))

EXCERPTA MEDICA Sec 18 Vol 3/6 Cardiovascular June 59

1281. Rheo-oscillography as a method for registration of oscillations of the pulse volume of a vessel *Rheooscillografia ako metóda registrácie objemových pulzových oscilácií cievy.* GERO J. and GEROVA M. Oddel. Klin. Fyziol. Úst. Exp. Med. SÁV, Bratislava *Bratisl. lek. Listy* 1958, 38 (11) 1 (29-38) Graphs 4 Tables 1 Illus. 1

The comparison with the method of mechanical tracing of pulse oscillations by means of the onkograph is statistically evaluated. On the basis of analysis of the results, it can be stated that rheo-oscillography facilitates the determination of relative changes of the pulse-volume oscillations in the course of one uninterrupted tracing lasting for several minutes. The values gained in this way are mutually comparable with values from any number of tracings.

GEROVA, M.; GERO, J.

Vascular bed of the muscle in pain stimulation. Cesk. fysiол. 8 no.3:
190-191 Apr 59.

1. Odd. klin. fysiол. Ustavu exp. mediciny SAV, Bratislava. Prednesene
na III. fyziologických dnoch v Brne dna 13. 1. 1959.

(PAIN, exper.

eff. on musc. blood circ. (Cz))

(MUSCLES, blood supply,

eff. of pain stimulation (Cz))

GERO, J.;GEROVA, M.

On the problem of the mechanisms of irritation of the receptors of the carotid sinns. Cesk. fysiolo. 8 no.5:402-403 S '59.

1. Ustav experimentalnej mediciny SAV, Bratislava.
(CAROTID SINUS physiol.)

GERO, J.;GEROVA, M.

Elasticity of the vascular wall in the region of the sinus carotis following its deafferentiation. Cesk. fysiolo. 8 no.5:403-404 S '59

1. Oddelenie klinickej fyziol. Ustavu experimentalnej mediciny SAV, Bratislava.

(CAROTID SINYS. physiol.)

GERO, J.; GEROVA, V.

On the role of parameters of pulse pressure after the irritation of the receptors of the sinus carotis. *Cesk.fysiol.* 9 no.3:229-230 My '60.

1. Ústav experimentálnej medicíny SAV, Bratislava.
(CAROTID SINUS physiol)
(PULSE physiol)

GERO, Jan; GEROVA, Maria

Elasticity of the sinocarotid region. (An experimental study). Lek. prac.
[Biol. lek.] 1 no.4:1-109 '61.

1. The Institute of Experimental Medicine of the Slovak Academy of
Sciences, Bratislava.

(CAROTID SINUS physiol)

GEROVA, M.; GERO, J.

A study of the mechanisms of vasodilatation in muscle during painful stimulation. *Cor Vasa* 3 no.4:294-303 '61.

1. Institute of Experimental Medicine, Slovak Academy of Sciences, Bratislava, CSSR.

(PAIN physiology) (MUSCLES blood supply)
(BLOOD VESSELS physiology)

GARD, J.

278
278

1. "Zbornik radova" (10 Feb 1978 - 9 Mar 1978) - (obituary); DIONJE BEAS (Zbornik) pp 509-550.

2. "Analysis of the Splanchnic Adaptation into the Lumbosacral Spinal Segment," by P. DZUK, of the Neurophysiological Section of the SAV Institute of Experimental Medicine (collecting center by D. ZUK, SAV Institute, corresponding member of the SAV; pp 507-509 (English summary)).

3. "Constitutional-heredity Changes in the Glutamate Metabolism under the Effect of Short-lasting Hypotension," by G. DZUK, A. BUDAK, M. VUKOBRA, A. KURTOV, and R. KURTOV. From the Physiological Department of the Neurophysiological Research Institute (Physiological Department of the Vojvodina Army Medical Academy) in Belgrade, Director: M. VUKOBRA. Also in: "Zbornik radova" (10 Feb 1978 - 9 Mar 1978) - (obituary); DIONJE BEAS (Zbornik) pp 509-550.

4. "The Release Thresholds of Spreading Depression in the Kynurenic Acid Path of Some Psychogenic Species," by A. ZUK and D. ZUK. From the Physiological Section of the SAV Institute of Experimental Medicine (collecting center by D. ZUK, SAV Institute, corresponding member of the SAV; pp 507-509 (English summary)).

5. "The Conditions of the Vasopressin in the Lumbal Region of the Brain Produced by a Single Deep Breath," by I. ZUK and F. ZUK. From the SAV Institute of Experimental Medicine (collecting center by D. ZUK, SAV Institute, corresponding member of the SAV; pp 507-509 (English summary)).

6. "The Biochemical Relations Between the Vasopressin and the Resistance of the Brain to Hypoxia," by M. ZUK and J. ZUK. From the SAV Institute of Experimental Medicine (collecting center by D. ZUK, SAV Institute, corresponding member of the SAV; pp 507-509 (English summary)).

7. "Development of the Basic Problems of Aviation and Space Medicine," by B. ZUK, A. ZUK and O. ZUK. From the Physiological Department (Research Institute) at the Medical Faculty of Belgrade University in Belgrade, and from the Physiological Department of the Institute for Aviation Research Institute in Belgrade (see pp 311-312).

GEROVA, M.; GERO, J.

Hemodynamic relations between the magistral and the resistant part of the arterial system of the extremity. Bratisl. lek. listy 42 no.10: 617-626 '62.

1. Z Ustavu experimentalnej mediciny Slovensky akademie vied v Bratislave, riaditel clen koresp. Slovensky akademie vied J. Antal, Dr. Sc.

(BLOOD CIRCULATION physiol) (LEG blood supply)

GERO, J.; GEROVA, M.

Functional characteristics of the resistant part of the vascular bed and its reactivity to neurohumoral stimulation. Bratisl. lek. listy 43 Pt. 2 no.7:388-398 '63.

1. CSAV - Ustav experimentalnej mediciny SAV v Bratislave,
riaditel clen koresp. SAV J. Antal, Dr. Sc.
(ISOLATION PERFUSION) (BLOOD PRESSURE)
(BLOOD VESSELS) (VASOMOTOR SYSTEM)

GEROVA,M.; GERO.J.

Haemodynamic parameters in conduit arteries and their corresponding resistance vessels during variations in circulatory homeostasis. *Physiol. Bohemoslov.* 13 no.2:148-155 '64.

1. Institute of Experimental Medicine, Academy of Sciences, Bratislava.

*

GERO, Laszlo, dr., a muszaki tudomanyok kandidatusa

Technical questions of the restoration of historical monuments.
Építés szemle 6 no.3:69-79 '62.

1. Országos Muegleki Felutyeleseg muszaki foeladoja

GERO, Laszlo, dr., okleveles építészternok, a muszaki tudományok kandidátusa

Formation of road pavements in our historic towns. Melyepitestud szemle 12 no.9:388-393 S '62.

1. Országos MueMLEKI Felügyeloseg.

GERO, Laszlo, dr., a m... ..

Methodological questions relating to the planning of areas with
historical monuments. Epites kozleked tud kozl 7 no.1/2:3-20 '63.

GERO, Laszlo, dr., tudományos kutató

Historic building units of the Hungarian settlements. Építés
szemle 7 no.4:105-113 '63.

1. Országos Műemleki Felügyelőség.

JUGOVICS, Lajos; GERO, Laszlo

Transferring the Badacsony basalt mining from the Balaton shores to the Kovacs Hill at Vindornyaszollosi. Epitocanyag 12 no.5:161-175 My '60.

L 26025-66 EWA(d)/T/EWP(w)/EWP(t) IJP(c) JD

ACC NR: AP5025476

SOURCE CODE: CZ/0065/65/000/004/0394/0407

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43
B

AUTHOR: Slesar, Milan -- Shlesar, Milan; Gero, Robert -- Gero, Robert; Kubenka, Jaroslav -- Kubenka, Jaroslav

ORG: Metallurgical Faculty, VST,
VST)

Kosice (Hutnicka fakulta

TITLE: Mechanism of low-carbon steel fracture

SOURCE: Kovove materialy, no. 4, 1965, 394-407

TOPIC TAGS: material fracture, plastic deformation, low carbon steel, crystal structure, pearlite, ferrite, ultimate strength, tensile strength, metallurgic testing machine

ABSTRACT: The fracture of cylindrical specimens was studied by direct observation of plastic deformations in a tensile-testing machine designed by the authors [Abstracter's note: description of the testing machine is not given]. The experiments were made with low-carbon steel having coarse-granular polyhedral ferrite-pearlite microstructure. Conventional stress-strain diagrams were plotted during the tests. The first microcracks were formed under the stresses in the

Card 1/2

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ACC NR: AP5025476

region of ultimate tensile strength somewhat before or after reaching the point of ultimate strength. In 99% of the cases, the microcracks were generated in the pearlite grains either in the core with subsequent penetration to the periphery in the form of lenslike microfracture or on the edges of the grains with spreading to the center in the form of a broken line. The cracks in the pearlite grains were formed either perpendicularly to or at an angle to the lamellas, and in only one per cent of the cases were the cracks formed along the planes of the lamellas. An additional increase in tensile stress resulted in further propagation of a part of the cracks, whereas in the other part of the cracks the crack development was arrested at some definite degree of deformation. New microcracks began to form again simultaneously, mostly in the pearlite grains. The growth of the cracks was accompanied by the strong localized deformations in adjacent grains. In the last stages of fracture a narrow continuous region of an intensive plastic deformation was formed. The growth and joining of microcracks into the final surface of the fracture occurred in this region. Orig. art. has: 26 fig.

SUB CODE: 11/3/ SUBM DATE: 09Jan65/ ORIG REF: 008/ OTH REF: 007.

Card 2/2

JERC, S.

Budapesti Pazmany Peter Tudomnyegyetem II sz. Belklinikajanak es Weiss Manfred Acel-es Femmuvek NV. Uzenorvosi Rendelojenek Kozlemenye. Munkaartalmak pathogenesisise es megelőzése. I. A munkakörülettana Pathogenesis and prevention of occupational diseases Orvosi Hetilap, Budapest 1949, 90/15 (452-456) Tables 5

The water and salt balance was investigated in labourers working at high temperatures, while clearance values were taken into account. An increase in the protein content of the blood was observed in all cases, while the haematocrit values of the blood showed a less constant increase, resulting from the thickening of the blood. The chloride content of the blood had not increased. A protective high salt diet should be administered. The salt depletion can be counteracted during the heaviest work at high temperatures by the administration of (-7 g/of NaCl to 500-1,000 ml. water.

Fejes - Budapest (IV, 6)

So: Medical Microbiology and Hygiene, Section IV, Vol 3, No. 1-6

GERO, S.

FARKAS, B.; GERO, S.; TAKATSY, G.

The occurrence of Q-fever in Hungary. Orv.hetil. 91 no.23:717-718
4 Je '50. (GIML 19:3)

1. National Public Health Institute (Director General -- Dr. Andras Havas) and the Second Clinic for Internal Diseases) of Budapest University.

U.C.I. 51
FISCHER, A.; GERO, S.; ROZSAHEGYI, I.; SALLMI, C.

Pathogenesis and prevention of occupational diseases. III. Effect of work in conditions of extreme heat upon the locomotor apparatus. Orv.hetil. 91 no.32:982-985 6 Aug 50. (GLML 20:5)

1. Second Internal Clinic (Director--Dr.Professor Imre Haynal), Budapest University and Matyas Rakosi Steel and Metallurgical International Fair Plant Dispensary (Head Physician--Dr.Istvan Rozsahegyi).

GERO, S.; MOSONYI, L.; ROSNYAY K.; VALFY, F.

Effects of Filatov's tissue extracts on experimental arthritis.
Kiserletes orvostud. 3 no.6:427-432 1951. (CIML 21:4)

1. Doctors. 2. Second Internal Clinic, Budapest Medical University.

CEH, S. 1951

(A Budapesti Orvostudományi Egyetem II, sz Belklinikája)

"The Effect of Toluidine Blue on Phagocytosis."

Kiserl Orvostud. 1951, 3/4(283-285)

Abst: Exc. Med. IV, Vol. 5, No. 4, p. 429

EXCERPTA MEDICA Sec 6 Vol 13/2 Internal Med. Feb 59

964. THE MECHANISM OF PROTAMINE REVERSIBILITY OF THE CLEARING EFFECT OF HEPARIN - Über den Mechanismus der Protaminreversibilität des Clearingeffektes des Heparins - Gerő S., Perényi L., Jakab M. and Gács J. III. Med. Univ. -Klin., Budapest - KLIN. WSCHR. 1957, 35/18 (939-940) Graphs 1 Tables 2

After i. v. injection of 50 mg. protamine sulphate into men with previously 'cleared' plasma, a lipid phase could be isolated from the plasma, made turbid again, which showed the properties of protamine bound to fatty acids. All the phenomena of the re-turbidification, including the regression of the electrophoretic changes, can be attributed to the formation of protamine soaps.

SONHOFFER, Szilare; GERO, Sandor

Disturbances of lipid metabolism. *Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl.* 8 no.1-2:49-58 1957.

1. A Pécsi Orvostudományi Egyetem ^Korelettani Intézete és a
Budapesti Orvostudományi Egyetem III. Belklinikája.
(LIPIDS, metab.
disord. (Hun))

GERO, Sandor; BAUMAN, Miklos; JAKAB, Mihaly; ROHONY, Belane; GACS, Janos

Antilipemic effects of heparin. I. Electrophoretic studies; the problems of the prealbumin fraction. *Magy. belorv. arch.* 10 no.5-6:129-138 Oct-Dec 57.

1. A Budapesti Orvostudományi Egyetem III sz. Belklinikájának (igazgató: Gomori Pal) és a Magyar Tudományos Akadémia Elektronmikroszkopni Laboratóriumának (vezető: Guba Ferenc) közleménye.

(HEPARIN, eff.

lipemia clearing mechanism, electrophoretic blood lipoprotein changes & appearance of pre-albumin fraction (Hun))

(LIPIDS, in blood

lipemia clearing mechanism of heparin, electrophoretic blood lipoprotein changes & appearance of pre-albumin fraction (Hun))

GERO, Sandor; PERENYI, Laszlo; JAKAB, Mihaly; OACS, Janos

Mechanism of the reversal of heparin clearance. Kiserletes orvostud.
10 no.1:52-55 Feb 58.

1. Budapesti Orvostudományi Egyetem III. sz. Belklinikája.
(HEPARIN, eff.
lipemia clearing, mechanism of reversal in vitro (Hun))
(LIPIDS, in blood
lipemia clearing by heparin, mechanism of reversal in vitro
(Hun))

EXCERPTA MEDICA Sec 6/Vol 13/6 Internal Medicine June 59

3131. ANTILIPAEMIC ACTION OF HEPARIN. II. CHANGES IN THE CONCENTRATION OF LIPOIDS AND ACTIVITY OF LIPASE. PROBLEMS OF THE REVERSIBILITY OF THE ACTION OF HEPARIN - Adatok a heparin anti-lipaemiás hatásához. II. A lipoidkoncentráció és a lipázeaktivitás változásai. A heparinhatás reversibilitásának kérdései - Gerő S., Rohny B., and Gács J. Budapesti Orvostud. Egyet. III. BZT. Belklin. Közl. - MAG. BELORV. ARCH. 1958, 11/1 (29-33) Tables 6

After administration of heparin the total lipid concentration decreased in about half the cases but in the other half it remained unaltered. The concentration of total fatty acids fell in every case. After protamine the changes in the lipid concentration were irregular. After heparin the increase of lipase activity is almost significant. No value is to be attributed to the decrease after protamine, since some controls, who had not received heparin or protamine also showed a decrease. In 87.5% of the cases the effect of protamine led to a conversion of the electrophoretic changes brought about by heparin. In 64% of the cases the turbidity was enhanced, in 28.6% the lipid concentration was elevated. Conversion of all the clearing phenomena was observed in only 1/3 of the cases, presumably owing to the smallness of the dose of protamine used. In conversion of the clearing phenomena the protamine is supposed not to act as an antiheparin substance, but to exert a specific action: being a highly basic protein it combined with the fatty acids liberated in the course of the clearing. In the form of macromolecular aggregates these fatty-acid-protamine complexes may be the cause of the increased turbidity and of the darkening of the lipid adsorption area in paper electrophoresis. The electrophoretic mobility of these complexes decreases and thus the characteristic changes occurring after heparin are abolished.

EXCERPTA MEDICA Sec 18 Vol 4/3 Cardiovas. Dis. Mar 60

926. Inhibition of cholesterol atherosclerosis by immunisation with beta-lipoprotein
GERO S., GERGELY J., JAKAB L., SZEKELY J., VIRAG S., FARRAS K. and CZIBOR A.
3rd Med. Clin., Budapest Univ., Budapest *Lancet* 1959, 2 7088 (6-7)

Ten cocks and 10 rabbits were immunized with β -lipoprotein and then fed 16 weeks with cholesterol. The immunization itself was followed by a rise in plasma cholesterol. After cholesterol feeding the plasma-cholesterol level in the group of immunized rabbits was identical with that in the control group. In the group of immunized cocks it was markedly lower than in the control group. The immunization with β -lipoprotein inhibited the development of experimental atherosclerosis in both species.
Pierovsky - Prague (XVIII), 4, 56

GERO, Sandor, dr.; FARKAS, Karoly, dr.; GERGELY, Janos, dr.; JAKAB Lajos, dr.;
SZEKELY, Judit, dr.; VIRAG, Sandor, dr.; CZUPPON, Alfred, dr.

Inhibition of cholesterol atherosclerosis by immunization with
 β -lipoprotein. Orv.hetil. 101 no.41:1441-1447 9 0 '60.

1. Budapesti Orvostudományi Egyetem, III. sz. Belklinika, Országos
Rheuma és Furdougnyi Intezet, Prosectura, MTA Muszaki Fizikai
Kutatóintezet.

(ARTERIOSCLEROSIS exper)
(LIPOPROTEINS)

GERO, S.; FARKAS, K.; GERGELI, I.; YAKAB, I.; CHEKELI, I.; VIRAG, S.;
TSUPPON, A.

Preventive effects of β -lipoprotein immunization in the development
of experimental cholesterol atherosclerosis. Vest.AMN SSSR 16 no.3:
20-27 '61. (MIRA 14:7)

1. 3-ya Meditsinskaya klinika Budapeshtskogo universiteta, Otdel
patologii Budapeshtskogo gosudarstvennogo revmatologicheskogo
instituta.

(ARTERIOSCLEROSIS) (LIPOPROTEINS)

GERO, Sandor, dr.; GERGELY, Janos, dr.; JAKAB, Lajos, dr.; SZKEELY, Judit, dr.;
VIRAG, Sandor, dr.

Comparative immuno-electrophoretic studies on different vascular
regions. Orv.hetil. 102 no.6:247-248 5 P'61.

1. Budapesti Orvostudományi Egyetem, III. Belklinika.
(BLOOD VESSELS)
(ELECTROPHORESIS)