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SOV/109-4-7-9/25

AUTHORS: Senatorov, K.Ya. and Gomonova, A.I.

TITLE: Some Features of the Transient Characteristics of Transistors at Small Signals

PERIODICAL: Radiotekhnika i élektronika, 1959, Vol 4, Nr 7, pp 1153 - 1163 (USSR)

ABSTRACT: The application of transistors in pulse technique requires the knowledge of the initial part of the transients in a transistor, in particular, their dependence on the biassing current of the emitter. Investigation of this part of the characteristic can be carried out by employing Eq (1) for the transient characteristic of a grounded-base transistor; Eq (1) was derived by Yu.M. Az'yan et al. (Ref 2); the notation in Eq (1) is as follows:

W_o is the base width;

$L_б$ is the diffusion length;

$\tau_б$ is the lifetime of the minority carriers in the base, and

$A = (W_o/L_o)^2$.

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Some Features of the Transient Characteristics of Transistors at Small Signals

Secondly, the static capacitance of the p-n junction is taken into account; this is given by Eq (3), which was derived by W. Shockly (Ref 1). Also, the diffusion capacitance, given by Eq (4), should be taken into account (G. Early - Ref 4). A transistor can therefore be represented by means of a circuit consisting of two quadripoles connected in series (Figure 4), where the first quadripole represents the p-n junction and the second describes the base circuit. The equivalent circuit of the emitter junction is in the form of a $C_э r_э$ network, shown in Figure 5. The emitter current can thus be written in the form of Eq (5). The total output current can be determined by combining Eqs (5) and (1) by means of a Duhamel integral and is in the form of Eq (6). When the emitter time constant is small, Eq (6) can be written as Eq (7). The above equations are employed to plot the transient characteristics for transistors operating under various conditions. Figure 8 shows three curves.

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Curve 2 was calculated for the emitter time constant of 4 μsec; Curve 1 represent the experimental characteristic, while Curve 3 gives the theoretical characteristic which was calculated for a medium value of the emitter constant for the current interval 0 to 1 μA; all the curves are evaluated for the emitter input pulse of 1 μA. Figure 9 shows one theoretical and two experimental characteristics. Curve 1 was taken experimentally at the bias current of 100 μA and an input pulse of 5 μA; Curve 3 was taken in the absence of a bias, the pulse current being 5 μA; Curve 2 was calculated by the method of linear approximation for the no-bias condition and for the pulse current of 5 μA. The experiments, i.e. the investigation of the transient characteristics, were carried out by using the circuit of Figure 10. The output resistance of the pulse generator was $R = 300\ k\Omega$ while the load resistor R_H was 1 000 Ω. The capacitance of the emitter junction

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Some Features of the Transient Characteristics of Transistors at Small Signals

was measured by employing the resonant circuit shown in Figure 11. The capacitance could be determined from Eq (9a) provided the emitter resistance was known; this could be evaluated by measuring the slope of the current-voltage characteristic of the emitter (Figure 12). The experimental curves illustrating the dependence of the emitter capacitance on the biasing current is shown in Figures 13 (both for negative and positive currents). From the experiment and the theory, it is concluded that at small positive biassing currents at the emitter, the speed of the transient is primarily dependent on the static capacitance while the processes occurring in the base of the transistor are of little importance (the diffusion capacitance). There are 13 figures, 12 references,

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Some Features of the Transient Characteristics of Transistors at Small Signals

of which 5 are English and 7 Soviet; 2 of the Soviet references are translated from English.

SUBMITTED: April 16, 1958

Card 5/5

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMONOVA, A.I.; KULUMBETOVA, L.N.; SENATOROV, K.Ya.

Trigger circuit on a four-layer p-n-p-n diode. Vest. Mosk. un. Ser.3: Fiz., astron. 17 no.1:46-54 Ja-F '62. (MIRA 15:2)

1. Kafedra teorii kolebaniy Moskovskogo universiteta.
(Junction transistors)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMONOVA, A.I.; LOGGINOV, A.S.; SENATOROV, K.Ya.

Determining the lifetime of current carriers in the wide base of a four-layer semiconductor triode. Vest. Mosk. un. Ser. 3: Fiz., astron. 18 no.6:43-47 N-D '63. (MIRA 17:2)

1. Kafedra teorii kolebaniy Moskovskogo universiteta.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

ACCESSION NR: AP4014443 S/0188/64/000/001/0037/0042

AUTHOR: Gomonova, A. I.; Kochetkova, V. I.; Senatorov, K. Ya.

TITLE: Investigation and calculation of voltage converters based on controlled four-layer devices

SOURCE: Moscow. Universitet. Vestnik. Seriya 3. Fiz. astron., no. 1, 1964, 37-42

TOPIC TAGS: voltage converter, semiconductor, controlled semiconductor, four-layer semiconductor, transistor, square wave generator, generator efficiency

ABSTRACT: The operation of high-power, three-lead voltage converters of the four-layer semiconductor type shown in the Enclosure is described. Both the controlled and switching types were investigated with respect to their operation as a square wave generator, and the mathematical theory of such devices is discussed in detail. Results with an experimental model indicate that the operating frequency is in the low band (50-2000 cps) and that the maximum power at a load of 10 ohms is about 1.3 KW. The efficiency, plotted as a function of source voltage, reached 90% at 85 volts. It was determined that an average of 10 amps can be handled safely by the device mounted on massive copper heat sinks, with blowers to keep the temperature at 45-50C. Approximately 15 watts are dissipated from each device. Orig. art. has: 7 figures and 7 formulas.

Card 1/3

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ACCESSION NR: AP4014443 ENCLOSURE: 01

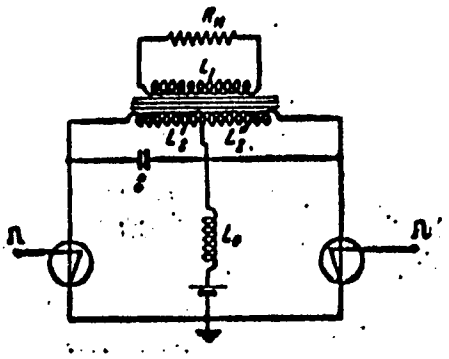

Fig. 1.

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distinguishing the first two stages; this effect is due to a strong electric

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SHVIDLER, M.I.; GOMONOVA, K.V.

Coning in layers containing bottom water. Nauch.-tekh. sbor. po dob. nefti no.13:52-56 '61. (MIRA 16:7)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.
(Oil reservoir engineering)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMONOVA, T.P.

Spotaneous rupture of the vessels of the abdominal organs. Khirurgiia Supplement:26 '57. (MIRA 11:4)

1. Iz 3-y khirurgicheskoy kliniki Gosudarstvennogo ordena Lenina instituta usovershenstvovaniya vrachey imeni S.M.Kirova.
(ABDOMEN--SURGERY) (BLOOD VESSELS--DISEASES)

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HUNGARY

Mrs. KEMENY, Armand, Dr., GOMOR, Bela, Dr., and VECSEI, Pal, Dr., National Institute for Rheumatism and Spas (Orszagos Rheuma es Furdougyi Intezet)[location not given](Director: FARKAS, Karoly, Dr.).

"Investigation of the Secretion Rate of the Adrenal Cortex with the Aid of Labeled Hydrocortisone"

Budapest, Orvosi Hetilap, Vol 107, No 26, 26 Jun 1966, pp 1207-1209.

Abstract: The labeled hydrocortisone had tritium on the 1-2 carbon atom and a specific activity of 1 mC/mg; it was prepared at the Section for Organic Chemistry at the Institute for Isotopes of the National Commission for Atomic Energy (Orszagos Atomenergiabizottsag Isotop Intezetenek Szerves Kemiai Osztalya). The experimental technique was that described by CHEN, C., et al. in J. Lab. Clin. Med., Vol 42, 1953, p 749. The findings for healthy individuals, an average of 15.2 mg./day ± 5.8), were close to those reported in the literature. The findings on afflicted persons had diagnostic significance. 8 references, including 1 German and 7 Western.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.; ZOLANI, B.; NAGY, Z.; JAKAB, I.; MESZAROS, A.; Technical assistance: KARAI, A.; SZEKER, A.; VAJDA, V.; VERES, A.

The problem of renal ischaemia and of the arterio-venous anastomoses of the kidney. III. New corrosion studies in dehydration, haemorrhagic, traumatic and ischaemic shock, arterial hypoxia and after serum albumin treatment. Acta med. Acad. sci. Hung. 20 no.2:169-183 '64.

1. Second Department of Medicine (director: prof. P. Gomori) and Institute of Anatomy (director: prof. J. Szentagothai), University Medical School, Budapest.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, PAL, dr.; GATI, Tibor, dr.; JUHASZ, Istvan, dr.; ROGER, Mario, dr. TAKACSI-NAGY, Lorand, dr. Technikai munkatarsak: VAJDA, Vera; F. VERES, Anna; TAKACSI-NAGY, Judit.

Data to the pathomechanism of the shock kidney. IV. Effect of dehydration shock on renal function. Orv. hetil. 106 no.7: 307-309 14 F '65.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Bela

TIMAR, Miklos, dr.; MACOS, Laszlo, dr.; GOMORI, Bela, dr.; GORGENYI, Alajos, dr.

Chronic carbon monoxide poisoning. Nepegeszsegugy 35 no.5:120-124 May 54.

1. Kozlemeny as Ogszagas Munkaegeszsegugyi Itezetbol (igazgato: Timar Miklos dr.) es a Szabolos-utcai Allami Kochzbol (igazgato: Doleschall Frigyes dr.)

(POISONING,
carbon monixide)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Bela, Dr.

Pachyderma laryngis. Ful orr gegegyogy no.4:177-182 Dec 57.

1. Az Orvostovabbkepzp Intezet Ful-orr-gegeosztalyanak (Foorvos: Surjan Laszlo dr.) kozlemenye.
(VOCAL CORDS, dis.
pachyderma laryngis with simultaneous & belated develop. of cancer (Hun))

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Bela, dr.

Suppuration in the paralabyrinthine cells. Ful-orr-gegegyogy 6 no.4:154-157 D '60.

1.Budapesti Orvostudomanyi Egyetem ful-orr-gege klinikajanak (Igazgato: dr. Vas Gyula egyetemi tanar) kozlemenye.
(OTITIS MEDIA compl)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Bela, dr.

On presbycusis. Ful-orr-gegegyogy 6 no.4:163-169 D '60.

1. A Budapesti Orvostudomanyi Egyetem ful-, orr-, gegeklinikajanak (Igazgato: Varga Gyula dr. egyetemi tanar) kozlemenye.
(DEAFNESS)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Bela, dr.; ROZSAHEGYI, Istvan, dr.

Results of caisson work on the ear. Fulorrgegegyogyaszat. 8 no.2:79-87 Je '62.

1. A Budapesti Orvostudomanyi Egyetem Ful-Orr-Gegeklinikajanak (Igazgato: Varga Gyula dr. egyetemi tanar) es az Orszagos Munkaegeszegugyi Intezetnek (Igazgato: Timar Miklos dr.) kozlemenye.
(EAR dis) (MENIERE'S DISEASE etiol)
(DECOMPRESSION SICKNESS case reports)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

DONATH, T.; GOMORI, B.

Concerning the fluorescence microscopy analysis of laryngeal smears. Acta Chir. Acad. Sci. Hung. 5 no.1:45-55 '64.

1. Anatomisches Institut (Kom. Leiter: Doz. Dr. T. Donath) und Otorhinolaryngologische Klinik (Direktor: Prof. Dr. Gy. Varga) der Medizinischen Universitat, Budapest.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Bela, dr., egyetemi adjunktus

Smoking and cancer of the larynx. Elet tud 19 no. 8: 373-375 21 F '64.

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SZASZ, Frigyes; NADAS, Andor; GINTL, Jozsef; GOMORI, Geza

Industrial background of the development in the gas industry.
Energia es atom 13 no.3:106-111 Mr '60.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Geza, fokonyvelo; MIHOK, Bela, vallalati kozgazdasz

The 1963 gas industry price control. Ipari energia 5 no.5:103-111 My '64.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, I.

PHASE I BOOK EXPLOITATION SOV/4984

International symposium on macromolecular chemistry. Moscow, 1960.

Mezhdunarodnyy simpozium po makromolekulyarnoy khimii SSSR, Moskva, 14-18 iyunya 1960 g.: doklady i avtoreferaty. Sektsiya III. (International Symposium on Macromolecular Chemistry Held in Moscow, June 14-18, 1960; Papers and Summaries) Section III. [Moscow, Izd-vo AN SSSR, 1960] 469 p. 55,000 copies printed.

Tech. Ed.: P. S. Kashina.

Sponsoring Agency: The International Union of Pure and Applied Chemistry. Commission on Macromolecular Chemistry.

PURPOSE: This book is intended for chemists interested in polymerization reactions and the synthesis of high molecular compounds.

COVERAGE: This is Section III of a multivolume work containing papers on macromolecular chemistry. The articles in general deal with the kinetics of polymerization reactions, the synthesis of special-purpose polymers, e.g., ion exchange resins, semiconductor materials, etc., methods of catalyzing polymerization reactions, properties and chemical interactions of high molecular materials, and the effects of various factors on polymerization and the degradation of high molecular compounds. No personalities are mentioned. References given follow the articles.

Yur'yev, V. M., A. N. Pravednikov, and S. S. Medvedev (USSR). The Effect of Formic Acid and Formates on the Oxidation of Hydrocarbons and Hydrocarbon Polymers 364

Popova, Z. V., and D. M. Yanovskiy (USSR). Study of the Effect of Some Organic and Organoelemental Compounds on the Thermal Degradation of Polyvinyl Chloride 372

Wichterle, O., E. Šittler, and P. Šefelin (Czechoslovakia). Degradation of Poly-ε-Caprolactam as a Result of Exchange Reaction Between Amide Bonds 380

Kučera, M., J. Tánková, and M. Jelínek (Czechoslovakia). Neutralization of Residual Catalyst in Polydimethylsiloxane; Effect of Thermal Neutralization on the Thermal Stability of the Polymer 388

Gomori, I., O. Mlejnek, and I. Stivel (Czechoslovakia). Thermooxidational Degradation of Polyesters. Study of Degradation Reactions for Different Types of Linear Polyesters 405

Neyman, M. B., B. M. Kovarskaya, L. I. Golubenkova, A. S. Strizhkova, L. A. Levantovskaya, and M. S. Kutin (USSR). On the Degradation and Stabilization of Some Polymeric Materials 414

Angert, L. G., and A. S. Kuz'minskiy (USSR). Investigation of the Efficiency of Inhibitors of Rubber Oxidation at Various Temperatures 423

Pravednikov, A. N., and Ying Wen-k'ang (USSR). Mechanism of the Protective Action of Benzene Rings During the Radiolysis of Polystyrene 433

Zhdanov, A. A., and K. A. Andrianov (USSR). On the Hydrolytic Stability of Side Groups in Polymers With Inorganic Chains of Molecules 440

Berlin, A. A., Ye. A. Penskaya, and G. I. Volkova (USSR). Mechanicochemical Transformations and Block Copolymerization During the Freezing of Starch Solutions 334

Usmanov, Kh. U., B. I. Aykhodzhayev, and U. Azizov (USSR). Modification of the Properties of Cellulose by Grafting 344

25

33

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GOMORI, J.

"Trends and results to date of the technical development of the beer industry." Elelmezesi Ipar, Budapest, Vol. 8, No. 4, Apr. 1954, p. 102.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Lajos

April 4. Magy kisipar 6 no.7:1 4 Ap '62.

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GOMORI, Lajos

Important changes in the income tax system concerning craftsmen.
Magy kisipar 7 no.5:1-2 7 Mr '63.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

A-4

BC

Effect of extracts of posterior pituitary on liver-glycogen. P. Gömöri and J. Csomay (Magyar Orvosi Arch., 1954, [illegible]). Oxytocin (oras-thin) and vasopressin (tentoxin) injected into rats, produced, approx. equal decrease in liver-glycogen which was not, in either case, due to histamine.

Nutr. Abs. (b)

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

CA

11g

Activity of the kidneys in Addison's disease. Andre Margitay-Becht and Pal Gömori. *Orvosi Hetilap* 82, 918-21 (1938).—The increased activity of the suprarenal cortex causes a disappearance of the sodium-fixing capacity; thus the organism continually has significant losses of water and sodium. This causes a decrease in blood vol and pressure, and an increase in the albumin content of blood serum and its colloid osmotic pressure. The filtration pressure of glomeruli and the amt. of filtrate diminish. These symptoms simultaneously cause azotemia.

S. S. de Finaly

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

BC

a-4

Simple method for measuring blood flow in animal experiments. P. Gömöri and L. Podhradszky (*Magyar Orv. Arch.*, 1940, 41 163—[illegible]).—A modified form of Ludwig's flow-meter is described.

A. W. M.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

C.A.

Kidney function in ischemia of kidney cortex. Pál Gomori, Mihály Foldi, and Gyorgy Szabó. *Magyar Helyrosi Archivum* 1, 283-98(1948).—Ischemia of the kidney cortex was induced in male dogs by faradizing the hilus of the kidneys. This treatment decreased both diuresis and glomerular filtration, leading in some cases to transitional anuria. Tubular secreting capacity of the kidneys diminished. Max. glucose-resorbing capacity of the whole kidney decreased, whereas the glucose-resorbing effect of the single nephrons increased. The amt. of blood flowing through the active parenchyma of the kidneys diminished relatively less than the amt. of blood flowing through the whole kidney. 22 references. István Finály

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GOMORI, P. 1948

(1st. Med. Clin. U. of Budapest)

"Glomerular and Tubular Function in Experimental Renal Cortex Ischaemia."

Experientia 1948, 4/7(278-279)
Abst: Exc. Med. 11, Vol. 11, No. 1, p. 62

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P. 1948

(Budapest Tud. I. sz, Belkilinikajarol)

"Anatomy of Hypochloraemic Kidney."

Orvosi Hetilap, Budapest, 1948, 89/21(336)
Abst: Exc. Med. V. Vol. 11, No. 3 , p. 222

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P. 1941

(Budapest)

"Renal Function in the Light of Modern Patho-Physiology."

Orvosok Lapja Budapest 1949, 5/8 (233-241)
Abst: Exc. Med. V. Vol. 11, No. 12, 935

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GOMORI, P. 1949

(1st. Med. Clin. of Budapest)

"Tubular Factors in the Development of Extra-Renal Azotemia."

Nature (London) 1949, 163/4140 (364)
Abst: Exc. Med. V. Vol.11, No. 9, p. 691

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GOMORI, P.

Investigation on hypertension; introduction. Magy. belorv. arch. 3 no.3: 91-93 1950. (CIML 25:5)

1. Doctors. 2. First Internal Clinic (Director -- Prof. Dr. Istvan Rusznyak), Budapest University.

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GOMORI, P.

Certain problems of pathogenesis and therapy of essential hypertension. Magy. belorv. arch. 3 no.3:94-102 1950. (CIML 25:5)

1. Doctor. 2. First Internal Clinic (Director -- Prof. Dr. Istvan Rusznyak), Budapest University.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.

HUBANYI, P.; GOMORI, P.

Surgical therapy of essential hypertension. Magy. belorv. arch 3 no.3: 102-106 1950. (CLML 25:5)

1. Doctors. 2. First Surgical Clinic (Director -- Prof. Dr. Gyula Sebesteny), Third Surgical Clinic (Director -- Prof. Dr. Borisz Petrovszkij), First Internal Clinic (Director -- Prof. Dr. Istvan Rusznyak) of Budapest University.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.;RUBANYI, P.;KALDOR, A.

Data on problem of the relationship between hypertension and essential hypertension with special reference to indications for thoracolumbar sympathectomy. Magy. belorv. arch 3 no.3:106-108 1950. (CIML 25:5)

1. Doctor for Gomort and Rubanyi. 2. First Internal Clinic (Director -- Prof. Dr. Istvan Rusznyak) and First Surgical Clinic (Director -- Prof. Dr. Gyula Sebesteny) of Budapest University.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.;KOMAROMY, I.

Renal function and its modification in hypertension following thora-columbar. Magy. belorv. arch 3 no.3:111-117 1950. (CLML 25:5)

1. Doctors. 2. First Internal Clinic (Director -- Prof. Dr. Istvan Rusznyak), Budapest University.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.;GABOR, G.;URAI, L.

Cutaneous precapillaries in essential hypertension and in renal diseases and their modification following application of hydergine and thoracolumbar sympathectomy. Magy. belorv. arch 3 no.3:117-124 1950. (CLML 25:5)

1. Doctors. 2. First Internal Clinic (Director -- Prof. Dr. Istvan Rusznyak), Budapest University.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOLGORI, P.

Application of cardiac drugs. Orv. hetil. 92 no.13:403-413 31 Mar 1951. (CLML 24:2)

1. Doctor.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.;FOLDI, M.;SZABO, G.

On kidney function in exsiccosis. 1. Renal circulation and tubular resorption in exsiccosis. Magy. belorv. arch 5 no.3:105-108 Sept 1952. (CIML 25:5)

1. Doctor. 2. First Internal Clinic (Director -- Prof. Dr. Istvan Rusznyak) and Third Internal Clinic (Director -- Prof. Dr. Pal Gomori) Of Budapest Medical University.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.;ROMHANYI, G.

Pathophysiological relations of morphological renal changes in hypochloremic exsiccosis. II. Magy. belorv. arch. 5 no.3:109-114 Sept 1952. (CIML 25:5)

1. Doctors. 2. Third Internal Clinic (Director -- Prof. Dr. Pal Gomori) of Budapest Medical University and Institute of Pathological Anatomy (Director -- Prof. Dr. Gyorgy Romhanyi) of Pecs Medical University.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P., AND OTHERS.

"Consequences of Isolated Brain Hypoxemia on Renal Hemorrhage." p. 42 (Acta Physiologica. Supplement to v. 4, 1953 Budapest.)

Vol. 3, No. 6

SO: Monthly List of East European Accessions, Library of Congress, June 1954, Uncl.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.,dr.

The use of drugs in heart failure. Ther. hung. no.4:3-7 1954.

1. University of Budapest, Medical School, Third Medical Department (Director: Dr. Pal Gomori, Professor at the University of Budapest)

(CONGESTIVE HEART FAILURE, therapy
digitalis & strophanthin in)
(STROPHANTHIN, ther. use
congestive heart failure)
(DIGITALIS, ther. use
congestive heart failure)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal; SZABO, Gyorgy; KOVACS, Aristid; NAGY, Zoltan; TAKACS, Lajos; WILTNER, Willibald

The role of hypoxia and hypercapnia in the neuroregulation of the renal circulation and diuresis. Magy Belorv. arch. 7 no.5:129-145 Oct. 54.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Belklinikajanak (igazgato: Gomori Pal egyetemi tanar) I. sz. Belklinikajanak (igazgato: Rusznyak Istvan egyetemi tanar) es Elettani Intezetenek (Igazgato: Balint Peter egyetemi tanar) kozlemenye.

(CARBON DIOXIDE, in blood
hypercapnia, eff. on renal circ. & diuresis in dogs)
(ANOXIA, exper.
eff. on renal circ. & diuresis in dogs)
(KIDNEYS, blood supply
circ., eff. of exper. anoxia & hypercapnia in dog)
(DIURESIS
eff. of exper. anoxia & hypercapnia in dogs)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal, dr.; KALLAY, Kalman, dr.

Hemodynamics and pathogenesis of collapse and shock. Orv. hetil. 95 no.48:1305-1313 28 Nov 54.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Belklinikajanak (igazgato: Gomori, Pal, dr.) kozlemenye.
(SHOCK
hemodynamics & pathogen.)
(CARDIOVASCULAR SYSTEM
collapse, hemodynamics & pathogen.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.

ENDES, P.; TAKACS-NAGY, L.; RUBANYI, P.; GOMORI, P.

The pathogenesis of malignant hypertension. Acta morph.hung. 5 no.1-2:113-131 1955.

1. 3rd Department of Surgery (Director: Prof. P. Rubanyi) and 3rd Department of Medicine (Director: Prof. P. Gomori) of the Medical University, Budapest.

(HYPERTENSION, pathology,
kidneys, biopsy & autopsy findings)
(KIDNEYS, in various diseases,
hypertension, biopsy & autopsy findings)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal, la tag.

Problems in pathogenesis and therapy of malignant hypertension.
Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl. 6 no.3-4:361-374 1955.

(HYPERTENSION
malignant, etiol., pathogen. & ther. (Hun))

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal, dr.

New results in pathological studies on kidney in our country. Orv. hetil. 96 no.49:1345-1351 4 Dec 55.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Belklinikajanak (igazgato: Gomori Pal egyet. tanar, a M.T.A. levelezo tagja) kozlemenye.

(KIDNEYS, pathol.
physiopathol., progr. (Hun))

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GÖMÖRI, P.

EXCERPTA MEDICA Sec.2 Vol.9/10 Physiology,etc. Oct56

4673. GÖMÖRI P. 3. Inn. Klin., Med. Univ., Budapest. *Hypoxie und Kreislaufsregulation. Hypoxia and circulatory regulation ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1956, 9/suppl. (1-3)

The influence of hypoxia on circulatory dynamics and on regional blood flow is briefly described.

Leusen - Ghent

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal; TAKACS, Lajos; KALLAY, Kalman; DUDAS, Gizella; BOHANSZKY, Ferencne; HACKER, Peter

Effects of isolated cerebral anoxia on pulmonary circulation. Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl. 8 no.3:269-275 1957.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Belklinikaja.
(CEREBRAL ANOXIA, exper.
eff. of arterial anoxia on pulm. circ. in dogs (Hun))
(BLOOD CIRCULATION
pulm. eff. of exper. cerebral arterial anoxia in dogs (Hum))

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal; TAKACS, Lajos; KALLAY, Kalman; BOHANSZKY, Ferencne; VECSEY, Gezane; KARAI, Antal

Effects of isolated cerebral anoxia on the mass of the spleen. Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl. 8 no.3:277-279 1957.

1. Budapesti Orvostudomanyi Egyetem III. sz Belklinikaja.
(CEREBRAL ANOXIA, exper.
eff. of arterial anoxia on mass of spleen in dogs (Hun))
(SPLEEN, physiol.
eff. of exper. cerebral arterial anoxia on mass in dogs (Hun))

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal, (lev. tag., osztalytitkar)

Report of the Section Secretary. Magy. Tudom. Akad. Orv. Oszt. Kozl. 9 no.1:1-15 1958.

(RESEARCH

med. & biol. in Hungary, annual report of section secretary of Hungary Academy of Sciences (Hun))

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal, (lev. tag.); VARGA, Istvan; JAKAB, Lajos

Effect of humoral factors on renal function in exsiccosis. II. Antidiuretic hormone activity in exsiccosis. Magy. Tudom. Akad. Orv. Oszt. Kozl. 9 no.1:63-64 1958.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Belklinikaja.
(DEHYDRATION, exper.
blood vasopressin activity in dehydrated dogs (Hun))
(VASOPRESSIN, in blood
in dehydrated dogs (Hun))

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, [redacted] (lev. tag.); GLAZ, Edit; WEISZ, Pal; SUHANYECZKY, Anna; DESI, Illes; RIGO, Janos

Effect of humoral factors on renal function in exsicocosis. III. Increased aldosterone activity in exsiccosis. Magy. Tudom. Akad. Orv. Oszt. Kozl. 9 no.1:65-66 1958.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Belklinikaja es Korelettani Intezete.

(DEHYDRATION, exper.
increased aldosterone activity in dehydrated dogs (Hun))
(ALDOSTERONE, physiol.
increased activity in dehydrated dogs (Hun))

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.; TAKACS, TAKACS, L.; NAGY, Z.

The effect of humoral factors on renal function in dehydration. I. The effect on renal function of blood from dehydrated animals. Acta med. hung. 11 no.3:365-368 1958.

1. 3rd Department of Medicine, Medical University, Budapest.
(DEHYDRATION, exper.
humoral factor from blood of dehydrated dogs inducing increases of renal filtration fraction in normal dogs)
(KIDNEYS, physiol.
same)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GÖMÖRI P.

EXCERPTA MEDICA Sec 3 Vol 13/4 Endocrinology Apr 59

640. THE EFFECT OF HUMORAL FACTORS ON RENAL FUNCTION IN DEHYDRATION. II. ANTIDIURETIC HORMONE ACTIVITY IN DEHYDRATION - Gömöri P., Varga I. and Jakab L. 3rd Dept. of Med., Med. Univ., Budapest - ACTA MED. ACAD. SCIENT. HUNG. (Budapest) 1958, 11/3 (369-370) Graphs 1

Dehydration was induced in dogs by ligating the pylorus. The ADH activity of serum was studied 48 hours later by the method of Jeffers et al. modified by Ames and Van Dyke. The experiments revealed no substantial differences in ADH activity between the sera from normal dogs, dehydrated dogs and dogs thirsted for 48 hours. The evidence obtained in these experiments suggests that an increase in ADH activity plays no major role in the development of oliguria in dehydration

Fischer - Budapest

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.; SZENDEI, A.

Chronic pyelonephritis. Acta med. hung. 12 no.3-4:329-339 1958.

1. 3rd Department of Medicine, Medical University, Budapest.
(PYELONEPHRITIS, diagnosis)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.; GIAZ, E.; WEISZ, P.; SUHANYECKY, A.; DESI, I.; RIGO, J.

The effect of humoral factors on renal function in dehydration. III. Increase in an aldosterone-like activity in dehydration. Acta med. hung. 11 no.3:371-372 1958.

1. 3rd Department of Medicine and Institute for Pathophysiology, Medical University, Budapest.

(DEHYDRATION, exper.
blood aldosterone activity in dehydrated dogs)
(ALDOSTERONE, in blood
in exper. dehydration of dogs)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

EXCERPTA MEDICA Sec 9 Vol 13/11 Surgery Nov 59

6841. RENAL FUNCTION IN HYDRONEPHROSIS - Gömöri P., Láng E. and Takácsy-Nagy L. 3rd Dept. of Med., Med. Univ., Budapest - ACTA MED. ACAD. SCI. HUNG. 1959, 13/1-4 (101-110) Graphs 5 Illus. 4

Two types of experiments have been made to prove that the obstructed kidney continues to filtrate and to reabsorb, as reported by Rényi-Vámos and Jansco. In hydronephrosis, renal blood flow is decreased, oxygen consumption remains at first normal and is usually not proportionate to the change in the renal blood flow. The universally accepted view that renal oxygen consumption depends on the circulation and that the arterio-venous difference does not change is not valid in hydronephrosis. The hydronephrotic kidney shows the same behaviour as other organs or the body as a whole.

(IX,19*)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal; MUNKACSI, Istvan; NAGY, Zoltan; TAKACS, Lajos; KALLAY, Kalman; Technikai munkatarsak: VAJDA, Vera; CSAPO, Istvan; TAKACS, Lajos

Significance of the arteriovenose anestomosises of the kidney in haemorrhagic hypotonia in traumatic and ischemic shock, and in arterial hypoxia. Biol orv kozl MTA 11 no.1:41-60. (EEAI 10:1)

1. L. tab, Magyor Tudomanyos Akademia (for Gomori) . 2. A Budapesti Orvostudomanyi Egyetem II. sz. Belklinikaja es Anatomiai Intezete.
(KIDNEYS) (ARTERIES)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal; TAKACSY-NAGY, Lorand; Technikai munkatarsak: VAJDA, Vera; KARAI, Antal

The problem of glomerulus filtration and reversibility in experimental hydronephrosis. Biol orv kozl MTA 11 no.1:61-66 '60. (EEAI 10:1)

1. L. tag, Magyar Tudomanyos Akademia (for Gomori). 2. Budapesti Orvostudomanyi Egyetem, II. sz. Belklinika.
(BLOOD) (KIDNEYS) (URINE)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal, 1.tag.; MUNKACSI, Istvan; SZALAI, Elemer; TU SUJ-HAJ

Possibilities of intrarenal circulation in the case of the destruction in great proportion of glomeruli in chronic renal deficiency. Biol orv kozl MTA 11 no.4:375-381 '60. (EEAI 10:5)

1. Budapesti Orvostudomanyi Egyetem II. sz. Balklinika Anatomiai Intezete es I. sz Korbonctani es Rakkutato Intezete. 2. Magyar Tudomanyos Akademia (for Gomori).
(KIDNEYS)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal; NAGY, Zoltan; JAKOB, Imre; VOJDA, Vera

On some problems related to the investigation of renal circulation.
Biol orv kozl MTA 11 no.4:383-396 '60. (EEAI 10:5)

1. Budapesti Orvostudomanyi Egyetem II. sz. Belklinikaja.
(KIDNEYS)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI,P.; KOVACH,A.G.B.; TAKACS,L.; FOLDI,M.; SZABO,Gy.; NAGY,Z.; WILTNER,W.

Renal blood flow in arterial hypoxia. Acta med. hung. 16 no.1: 37-42 '60.

1. 3rd Department of Medicine (Director: P.Gomori), Institute of Physiology (Director: P.Balint), and 1 st Department of medicine (Director: I.Rusznyak), University Medical School, Budapest.
(ANOXIA exper)
(KIDNEYS blood supply)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.; KOVACH, A.G.B.; TAKACS, L.; FOLDI, M.; SZABO, Gy.; MAGY, Z.; WILTHER, W.

The control of renal circulation in hypoxia. Acta med.hung. 16 no.1:43-60 '60.

1. 3rd Department of Medicine (Director: P.Gomori), Institute of Physiology (Director: P.Balint), and 1 st Department of Medicine (Director: I.Rusznyak), University Medical School, Budapest.
(ANOXIA exper)
(KIDNEYS blood supply)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI.P.; TAKACS,L.; KALLAY,K.

The effect of isolated cephalic (cerebral) hypoxia and hypothension on pulmonary circulation and spleen valume. Acta med. hung.16 no.1: 75-83 '60.

1. 3rd Department of Medicine (Director: P.Gomori), University Medical School, Budapest.
(CEREBRAL ANOXIA exper)
(INTRACRANIAL PRESSURE)
(LUNGS blood supply)
(SPLEEN blood supply)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI,P.; KOVACH,A.G.B.; TAKACS,L.; FOLDI,M.; SZABO,Gy.; NAGY,Z.; WILTNER,W.; KALLAY,K.

The regulation of cardiac output in hypoxia. Acta med. hung. 16 no.1:93-98 '60.

1. 3rd Department of Medicine (Director: P.Gomori), Institute of Physiology (Director: P.Balint), and 1 st Department of Medicine (Director: I.Rusznyak), University Medical School, Budapest.
(ANOXIA exper)
(HEART physiol)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.; FOLDI, M.; SZABO, G.

Renal function in the case of renal arterio-venous shunt formation. Acta med.hung. 17 no.1:99-104 '61.

1. Department of Medicine No.1, University Medical School, Budapest.
(KIDNEY blood supply) (ISCHEMIA experimental)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.; NAGY, Z.; JAKAB, I.; VAJDA, Vera

Problems in the measuring of renal circulation. Acta physiol. hung. 19 no.1-4:79-93 '61.

1. 2nd Department of Medicine, Medical University, Budapest.
(KIDNEY blood supply)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.; NAGY, Z.; JAKAB, I.; VAJDA, Vera; with technical assistance of: ALBERT, K.; KARAI, A.

Further studies on the PAH clearance. Acta physiol. acad. sci. hung. 20 no.4:379-384 '61.

1. Second Department of Medicine, Medical University, Budapest.

(PARAAMINOHIPPURIC ACID urine)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal, dr.; NAGY, Zoltan, dr.

Acute renal failure. Orv. hetil. 102 no.15:673-681 9 Ap '61.

1. Budapesti Orvostudomanyi Egyetem, II sz. Belklinika.

(ACUTE RENAL FAILURE)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

TAKACS, Lajos, dr.; KALLAY, Kalman, dr.; GOMORI, Pal, dr., technikai munkatarsak: VAJDA, V.; KUKUCSKA, J.; ALBERT, K.

Effect of synthetic angiotensin on the redistribution of circulating blood in rats. Orv. hetil. 102 no.48:2272-2275 26 N '61.

1. Budapesti Orvostudomanyi Egyetem, II Belklinika.

(BLOOD CIRCULATION pharmacol)
(HYPERTENSIN pharmacol)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, Pal; SZALAY, Elemer; TU SUJ-HAJ; ZOLNAI, Belazs

Circulatory changes in the chronic human kidney diseases and chronic Masugi nephritis. Biol orv kozl MTA 13 no.3:241-252 '62.

1. Budapesti Orvostudomanyi Egyetem II. sz. Belklinikaja, I. sz. Korbonctani es Rakkutato Intezete es Anatomiai Intezete.
2. Magyar Tudomanyos Akademia levelezo tagja, es "A Magyar Tudomanyos Akademia Biologiai es Orvosi Tudomanyok Osztalyanak Kozlemenyei" szerkeszto bizottsagi tagja (for Gomori).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000515930005-3

GOMORI, P.; MUNKACSI, S.; NAGY, Z.; TAKACS, L.; KALLAY, K.

Ischaemia and arteriovenous anastomoses of the kidney in shock, haemorrhage, dehydration and arterial hypoxia in dogs. Acta med. acad. sci. Hung. 18 no.1:119-125 '62.

1. Second Department of Medicine (Director prof. P. Gomori) and Institute of Anatomy (Director prof. F. Kiss), University Medical School, Budapest.

(KIDNEYS blood supply) (HEMORRHAGE exper)
(DEHYDRATION exper) (ANOXIA exper)
(SHOCK exper)

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HUNGARY

[illegible], [illegible], Dr; Medical University of Budapest, II. Medical Clinic ([illegible] Orvostudomanyi Egyetem, II. Belklinika)

"Functional and Structural Questions of Renal Insufficiency."

Budapest, Orvosi Hetilap, Vol 103, No 51, 23 Dec 62, pages 2405-2407.

Abstract [Author's Hungarian summary modified] The author concludes that in acute renal insufficiency the destruction of the renal parenchyma is due to severe vasoconstriction and shunt. The ischemia leads to tubular necrosis and anuria. In chronic renal insufficiency such anuria is nonexistent or only terminally present and vasoconstriction as such is not present either. Characteristic is the gradual loss of the glomeruli but recanalization of the vessels, rebuilding of the vasa recta system insures a limited bloodsupply of the tubuli. The significance of certain functional and structural relations is pointed out.
[half Western half Soviet-bloc references]

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GOMORI, P.; MUNKACSI, I.; SZALAY, E.; TU SAJ-HAJ; ZOLNAI, B.

Intrarenal blood circulation in chronic renal failure. I. Human material. Acta med. acad. sci. hung. 18 no.4:441-449 '62.

1. Second Department of Medicine (Director Prof. P. Gomori), Institute of Anatomy (Director in Charge Doc. T. Donath) and the First Institute of Pathological Anatomy and Experimental Cancer Research (Director Prof. J. Balo), University Medical School, Budapest.
(KIDNEY DISEASES) (RENAL ARTERY) (RENAL VEINS)

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GOMORI, P.; SZALAY, E.; TU SUJ-HAJ; ZOLNAI, B.

Intrarenal blood circulation in chronic renal insufficiency. II: Experimental Masugi nephritis. Acta med. acad. sci. hung. 18 no.4: 451-459 '62.

1. Second Department of Medicine (Director: Prof. P. Gomori), First Institute of Pathological Anatomy and Experimental Cancer Research (Director: Prof. J. Balo), Institute of Anatomy (Director in Charge: Doc. T. Donath), University Medical School, Budapest.
(NEPHRITIS) (RENAL ARTERY) (ANURIA)

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POLAND-HUNGARY

GOMORI, P., Prof. Dr., Member of the Hungarian Academy of Sciences and Director of the Second Clinic of Internal Diseases of the Medical Academy in Budapest (Hungary) [Original version not given] [translated from the English text by KLECZKOWSKI, Bogdan (Affiliation not given)]

"Functional and Structural Problems in Renal Insufficiency."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 19-20, 6-13 May 63, pp 658-663.

Abstract: [Author's English summary modified] Review article of clinical and experimental findings indicating a relationship between renal structure and function. In acute renal failure due to shock, hemorrhage, or dehydration, the renal damage is caused by severe vasoconstriction. Ischaemia due to this vasoconstriction produces tubular necrosis, severe damage to the kidney, and anuria. Absence of these factors in chronic renal insufficiency, at least until the terminal phase, or their appearance to a smaller extent is explained by compensatory blood passages and secretions occurring with time. 16 refs: 6 ea. Hungarian and English, and 4 in German.

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POLAND-HUNGARY

FISCHER, Anton, Second Clinic of Internal Diseases, Medical Academy in Budapest (Hungary) (Director: Prof. Dr. P. GOMORI) [Original version not given] [Translated by Tadeusz FARYNA, Dr. med. (Affiliation not given)]

"Studies on the Function of the Tubules of the Normal and Pathologically Changed Kidney."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 19-20, 6-13 May 63, pp 693-697.

Abstract: [Author's English summary] Author studied the function of the kidney using renal clearances. He discusses the regulation of re-absorption, the active excretion of various substances through the tubular cells of persons with chronic renal failure, and notes recent news and his opinion concerning isostenuria. There are 15 references, of which seven (7) are by the author and co-workers in Hungarian and foreign periodicals, two (2) are to Hungarian, one to a German, and five (5) are to English sources.

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GOMORI, Pal, Dr, JUHASZ, Istvan, Dr, TAKACSY-NAGY, Lorant, Dr, (VAJDA, Vera, VERES, F., Anna, technical assistants); Medical University of Budapest, II. Medical Clinic (Budapesti Orvostudomanyi Egyetem, II. Belklinika).

"Data on the Pathomechanism of Shock Kidney II. The Effect of Temporary Anoxia of the Kidney on the Glomerular Filtration and Tubular Function."

Budapest, Orvosi Hetilap, Vol 104, No 39, 29 Sep 63, pages 1832-1836.

Abstract: [Authors' Hungarian summary] The kidney artery and vein have been clamped off, or the kidney vein clamped off alone, and the effect on the tubular function and glomerular filtration has been tested with Evans blue. As a result of the ischaemia, tubular necrosis developed which, in some cases, involved the entire tubulus, in other cases, the distal part only. By producing ischaemia in the kidney, the histological picture of "lower nephron nephrosis" can be achieved. The experiments indicate that anoxia of the kidney can, by itself, produce the histological picture of shock-kidney. 7 Hungarian, 7 Western references.

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GOMORI, Pal, Dr, JUHASZ, Istvan, Dr, TAKACSY-NAGY, Lorant, Dr,(VAJDA, Vera, VERES, F., Anna,technical assistants); Medical University of Budapest, II. Medical Clinic (Budapesti Orvostudomanyi Egyetem, II. Belklinika).

"Data on the Pathomechanism of Shock-Kidney I. The Effect of Tourniquet (Ischaemic) Shock on the Glomerular Filtration and Tubular Function."

Budapest, Orvosi Hetilap, Vol 104, No 39, 29 Sep 63, pages 1829-1831.

Abstract: [Authors' Hungarian summary] Tourniquet (ischaemic) shock has been applied to white rats and the glomerular filtration tested by Sellers' method. The experiments show that the glomerular filtration rate decreased significantly but to a variable degree in a number of the rats tested. 7 Hungarian, 16 Western references.

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GOMORI, Pal, dr.; EGEDY, Sandor, dr.; KEREKES, Gizella, dr.

Results of the angiotensin skin test in normal and hypertensive subjects. Orv. hetil. 104 no.44:2067-2069 3 N '63.

1. Budapesti Orvostudomanyi Egyetem, II Belklinika.
(HYPERTENSION) (HYPERTENSION, RENAL)
(ARTERIOSCLEROSIS) (ANGIOTENSIN)
(SKIN TESTS) (VASOPRESSIN)

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GOMORI, P.; JUHASZ, I.; NAGY, L. Takacsi. Technical assistance: VAJDA, Vera; VERES, Anna F.

Data to the pathomechanism of the shock kidney. The effect of tourniquet (ischaemic) shock and temporary renal anoxia on glomerular filtration tare and tubular function in the rat. Acta med. acad. sci. Hung. 20 no.1:57-70 '64.

1. Second department of medicine, University Medical School Budapest.

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GOMORI, P.; NAGY, Z.; JAKAB. I. Technical assistance: VAJDA, V.; KARAI, M.

The problem of the arterio-venous anastomoses in the kidney. I. Renal extraction of PAH and O_2 in dehydration, haemorrhagic hypotension and arterial hypoxia. Acta med. Acad. sci. Hung. 20 no.2:153-158 '64

1. Second Department of Medicine (director: prof. P. Gomori) University Medical School, Budapest.

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GOMORI, P.; KALLAY,K.; NAGY,Z.; SZABO, Z. Techn. assistance: VAJDA, V.; VERES, A.; KARAI, A.

The problem of the arterio-venous anastomoses in the kidney. II. Effect of human serum albumin and dihydralazine on the opening of renal shunts. Acta med. Acad. sci. Hung. 20 no.2: 159-168 '64

1. Second Department of Medicine (director: prof. P. Gomori) University Medical School, Budapest.

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KNAUSZ, Dezso; GARZO, Tamasne; GOMORY, Pal; TELEGDI, Lajos

Synthesis and gas chromatographic determination of vinyl-chlorine-silanes. Magy kem folyoir 70 no.3:119-122 Mr '64.

1. Chair of General and Inorganic Chemistry, Lorand Eotvos University, Budapest, and Research Group of Inorganic Chemistry, Hungarian Academy of Sciences.

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GOMORI, Pal, dr.

Pathofenesis of renal shock. Orv. hetil. 105 no.3:109-113 19 Ja'64.

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TAKACS, Lajos, dr.; GOMORI, Pal, dr. Technikai munkatarsak: ALBERT, Karola; KUKUCSKA, Janos; VAJDA, Vera

Effect of aldosterone on the redistribution of circulating blood in rats. Orv. hetil. 105 no.16:737-738; 19 Ap'64

1. Budapesti Orvostudomanyi Egyetem, II. Belklinika.

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GOMORI, Pal, dr.; JUHASZ, Istvan, dr.; TAKACSI-NAGY, Lorand, dr.; Technikai munkatarsak: VAJDA, Vera; F. VERES, Anna; TAKACSI-NAGY, Judit

On the pathomechanism of the shock kidney. III. Effect of sublimate on the tubular function. Orv. hetil. 105 no.52: 2457-2459 27 D '64.

1. Budapesti Orvostudomanyi Egyetem, II Belklinika (igazgato: Gomori Pal dr.).

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GOMORI, P.; GATI, T.; JUHASZ, I.; ROGER, M.; TAKACSI-NAGY, L.; with the technical assistance of VAJDA, V.; VERES, A.F.; TAKACSI-NAGY, J.

Data to the pathomechanism of the shock kidney. Pt.3. Acta med. acad. sci. Hung. 21 no.2:175-180 '65.

1. Second Department of Medicine, and Institute of Pathophysiology, University Medical School, Budapest. Submitted July 13, 1964.

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GOMORI, P.; JUHASZ, I.; TAKACSI-NAGY, L.; with the technical assistance of: VAJDA, V.; VERES, A.F.; TAKACSI-NAGY, J.

Data to the pathomechanism of the shock kidney. Pt.2. Acta med. acad. sci. Hung. 21 no.2:169-173 '65.

1. Second Department of medicine, University Medical School, Budapest. Submitted July 13, 1964.

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GOMORI, Pal, dr.; SZALAY, Elemer, dr.; ZOLNAY, Balazs, dr.

Corrosion examinations in kidney diseases. Orv. hetil. 106 no.37: 1734-1736 12 S'65.

1. Budapesti Orvostudomanyi Egyetem, II. Belklinika (igazgato: Gomori, Pal, dr.), I. Korbonctani es Rakkutato Intezet (igazgato: Balo, Jozsef, dr.) es Anatomiai Intezet (igazgato: Szentagothai, Janos, dr.).

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GOMORI, Pal, academician; Medical University of Budapest, II. Medical Clinic (Budapesti Orvostudomanyi Egyetem, II. sz. Belklinika).

"Hemodynamic and Renal Pathological Problems in Shock."

Budapest, A Magyar Tudomanyos Akademia V. Orvosi Tudomanyok Osztalyanak Kozlemenyei, Vol XVI, No 2-3, 1965, pages 163-180.

Abstract: The relationship between hemodynamic changes and the development of anuria is discussed in the present essay on shock. The possible causes of the hemodynamic changes and the "compensatory" processes in the organism are described. The problems of the measurement of renal blood flow as well as the isotope fractionation method are discussed. The mechanism of the "redistribution" of blood, the role of the aldosterone-renin system and that of the nervous system are also discussed. The changes occurring in the kidneys in response to the shock state and the role of neurogenic vascular spasms are discussed on the basis of results obtained by isotope dilution and morphological, corrosion methods. These indicate the presence of renal ischemia and arteriovenous anastomoses which may open up under pathological conditions. It is indicated by use of the Evans blue and other methods that, in schock during temporary renal anorexia, the filtration is decreased, tubular function is impaired and selective resorption is supplanted by passive rediffusion. It is highly probable that renal ischemia is the precipitating factor in renal damage caused by shock. The results point to a

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