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Közlemenye. A 'száraz' sóretentio és a szervezet reactiója nagymen-nyiségü NaCl bevitelre 'Dry' salt retention and the reaction of the body to administration of a large quantity of sodium chloride Orvosok Lapja 1948, 4/13 (32)

When large amounts of hypertonic saline were injected subcutaneously into fasting rabbits the difference between injected and excreted amounts showed that almost half of the injected sodium chloride had been retained in an osmotically inactive form. The blood non-protein nitrogen was increased at the same time.

Bálint - Budapest

SO: Physiology, Biochemistry & Pharamacology 2.1 Jan.-June 1949

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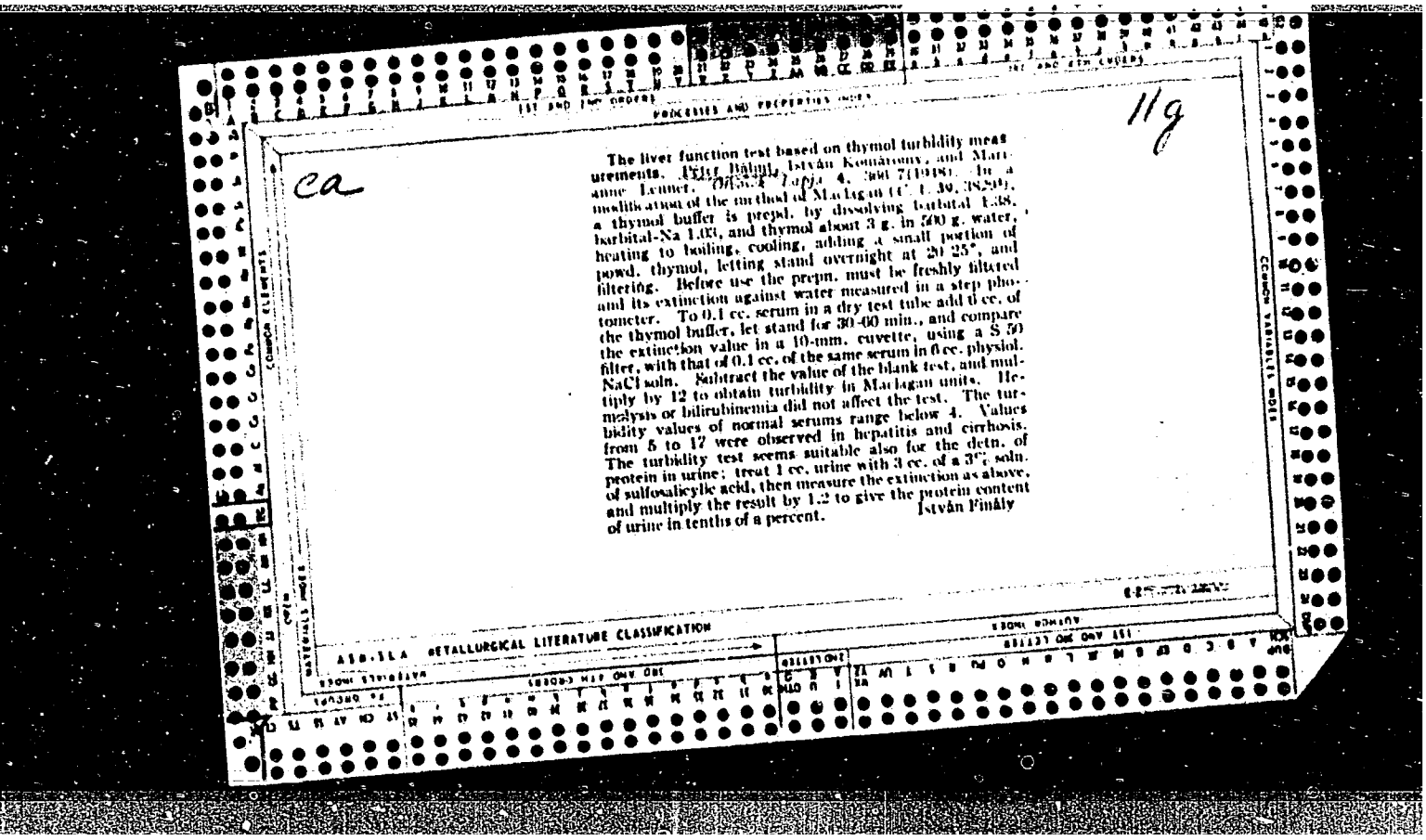

ca

11g

The liver function test based on thymol turbidity measurements. [illegible] Bálint, István Komáromy, and Marianne Lenner. [illegible] 4, [illegible] 7(1948). In a modification of the method of Maclagan (C. 1. 39, 38,59), a thymol buffer is prepd. by dissolving barbital 1.38, barbital-Na 1.03, and thymol about 3 g. in 500 g. water, heating to boiling, cooling, adding a small portion of powd. thymol, letting stand overnight at 20-25°, and filtering. Before use the prepn. must be freshly filtered and its extinction against water measured in a step photometer. To 0.1 cc. serum in a dry test tube add 6 cc. of the thymol buffer, let stand for 30-60 min., and compare the extinction value in a 10-mm. cuvette, using a S 50 filter, with that of 0.1 cc. of the same serum in 6 cc. physiol. NaCl soln. Subtract the value of the blank test, and multiply by 12 to obtain turbidity in Maclagan units. Hemolysis or bilirubinemia did not affect the test. The turbidity values of normal serums range below 4. Values from 5 to 17 were observed in hepatitis and cirrhosis. The turbidity test seems suitable also for the detn. of protein in urine; treat 1 cc. urine with 3 cc. of a 3% soln. of sulfosalicylic acid, then measure the extinction as above, and multiply the result by 1.2 to give the protein content of urine in tenths of a percent.

István Finály

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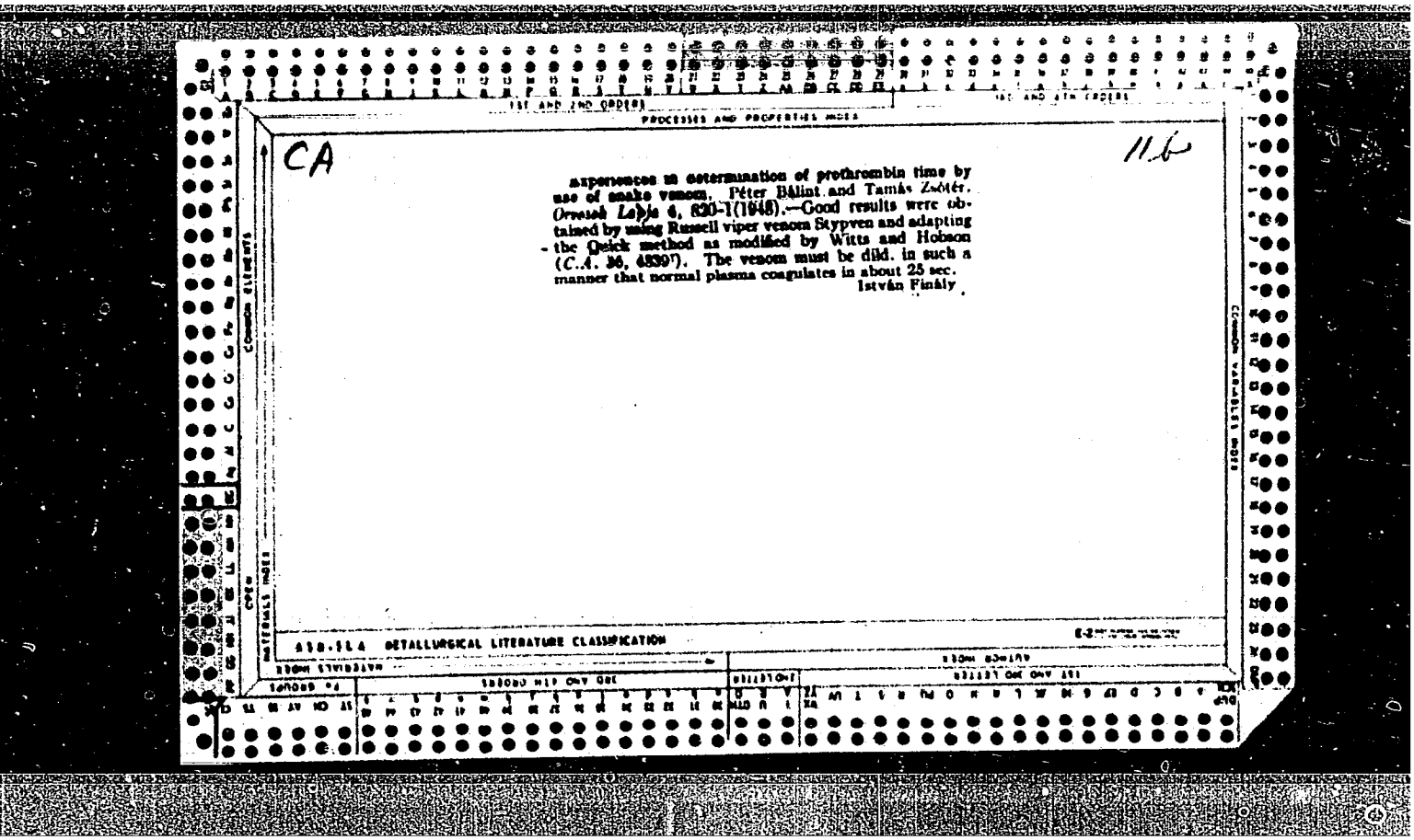

CA

11-6

experiences in determination of prothrombin time by use of snake venom. Péter Bálint and Tamás Zsóter. *Orvosok Lapja* 1, 820-1(1948).—Good results were obtained by using Russell viper venom Stypven and adapting the Quick method as modified by Witts and Hobson (*C.A.* 36, 4839[7]). The venom must be dild. in such a manner that normal plasma coagulates in about 25 sec.
István Finály

A10-SL4 METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P.
(813)

Tapasztalatok a prothrombin-ido kigyomereggel torteno meghatarozasarol
Estimation of the prothrombin time with Russell viper venom, Stypven Orvosok Lapja 1948, 25 (820-821)

The superiority of Russell viper venom (Stypven) over the usual thromboplastin suspension prepared from rabbit's or human brain is shown.

So:EXCERPTA MEDICA VOLUME 11, Number 2, Section II, February 1949

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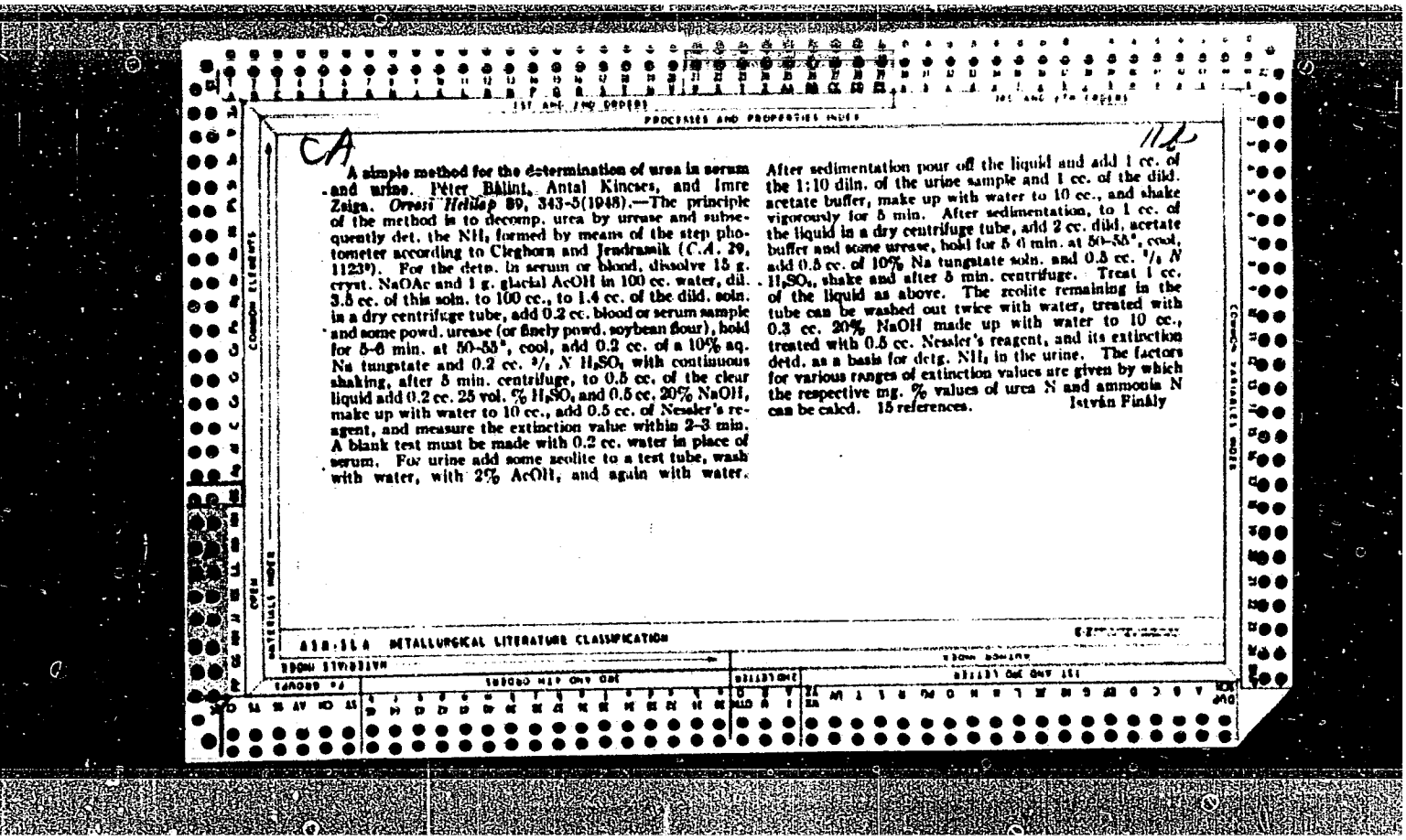

CA

A simple method for the determination of urea in serum and urine. Péter Bálint, Antal Kincses, and Imre Zsira. *Orvosi Hetilap* 89, 343-5(1948).—The principle of the method is to decomp. urea by urease and subsequently det. the NH_3 formed by means of the step photometer according to Cleghorn and Jendrassik (*C.A.* 39, 1123⁹). For the dets. in serum or blood, dissolve 15 g. cryst. NaOAc and 1 g. glacial AcOH in 100 cc. water, dil. 3.5 cc. of this soln. to 100 cc., to 1.4 cc. of the dild. soln. in a dry centrifuge tube, add 0.2 cc. blood or serum sample and some powd. urease (or finely powd. soybean flour), hold for 5–6 min. at 50–55°, cool, add 0.2 cc. of a 10% aq. Na tungstate and 0.2 cc. $^3/_5$ *N* H_2SO_4 with continuous shaking, after 5 min. centrifuge, to 0.5 cc. of the clear liquid add 0.2 cc. 25 vol. % H_2SO_4 and 0.5 cc. 20% NaOH, make up with water to 10 cc., add 0.5 cc. of Nessler's reagent, and measure the extinction value within 2–3 min. A blank test must be made with 0.2 cc. water in place of serum. For urine add some zeolite to a test tube, wash with water, with 2% AcOH, and again with water. After sedimentation pour off the liquid and add 1 cc. of the 1:10 diln. of the urine sample and 1 cc. of the dild. acetate buffer, make up with water to 10 cc., and shake vigorously for 5 min. After sedimentation, to 1 cc. of the liquid in a dry centrifuge tube, add 2 cc. dild. acetate buffer and some urease, hold for 5–6 min. at 50–55°, cool, add 0.5 cc. of 10% Na tungstate soln. and 0.5 cc. $^3/_5$ *N* H_2SO_4, shake and after 5 min. centrifuge. Treat 1 cc. of the liquid as above. The zeolite remaining in the tube can be washed out twice with water, treated with 0.3 cc. 20% NaOH made up with water to 10 cc., treated with 0.5 cc. Nessler's reagent, and its extinction detd. as a basis for detg. NH_3 in the urine. The factors for various ranges of extinction values are given by which the respective mg. % values of urea N and ammonia N can be calcd. 15 references. István Finály

A58-11A METALLURGICAL LITERATURE CLASSIFICATION

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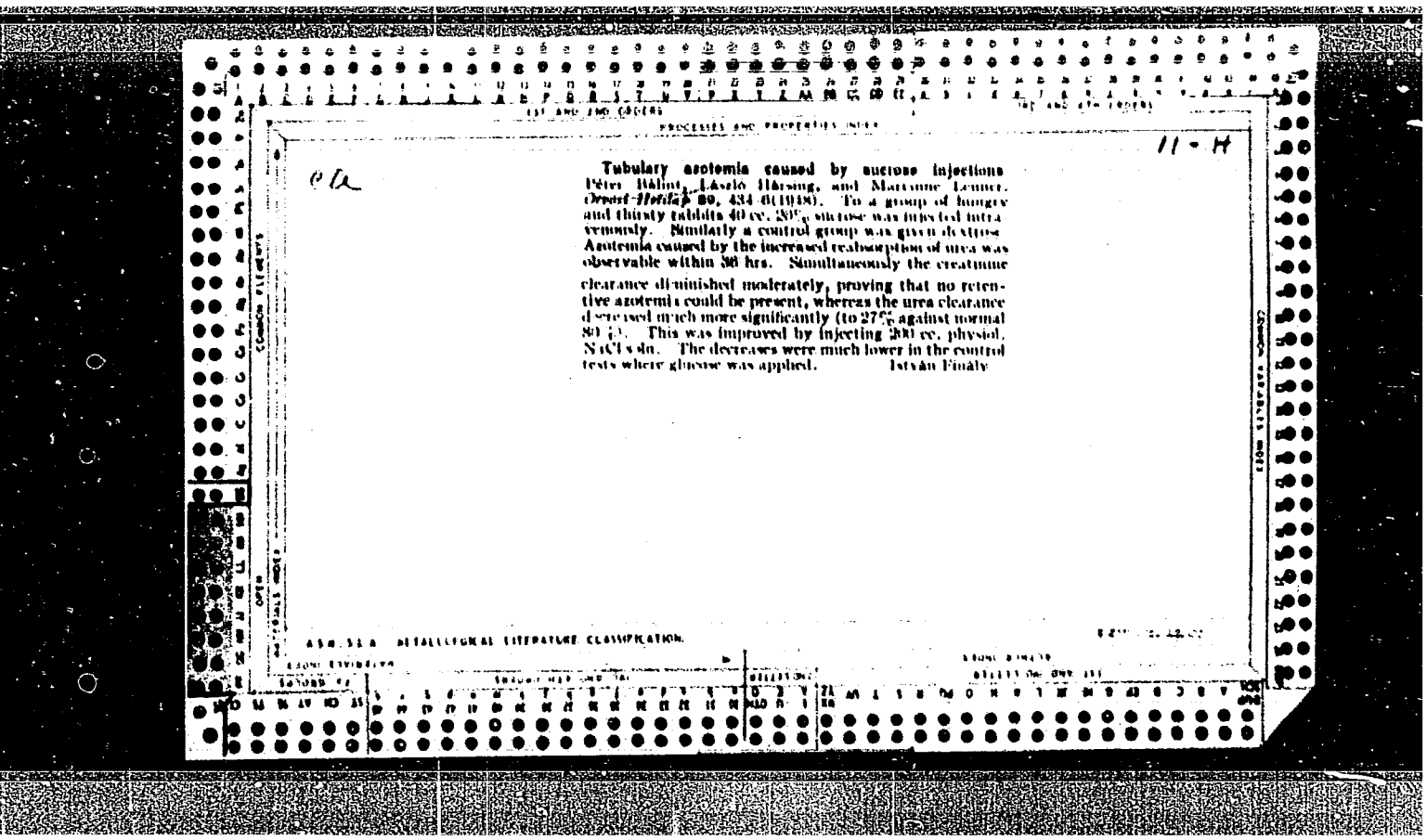

11-H

Tubulary azotemia caused by sucrose injections Péter Bálint, László Illésvag, and Marianne Lenner. *Orvosi Hetilap* **89**, 434-6(1948). To a group of hungry and thirsty rabbits 40 cc. 30% sucrose was injected intravenously. Similarly a control group was given distilled water. Azotemia caused by the increased reabsorption of urea was observable within 36 hrs. Simultaneously the creatinine clearance diminished moderately, proving that no retentive azotemia could be present, whereas the urea clearance decreased much more significantly (to 27% against normal 80%). This was improved by injecting 200 cc. physiol. NaCl soln. The decreases were much lower in the control tests where glucose was applied. István Finály

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P. 1948

(Med. Clin. U. of Pecs.)

"Premortal Increases in the Output of Sodium and Chlorine in Fasting Rats."

Nature 1948, 161/4080 (57)
Abst: Exc. Med. III, Vol. III, No. 1, p. 20

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P. 1949

(Lst. Med. Clin. U. of Budapest)

"Hypersalemia and Tublar Azotemia."

Experientia, Basle, 1949, 5/2(82-83)
Abst: Exc. Med. V, Vol. 11, No. 9, p. 691

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P. 1949

(1st. Med. Clin. U. 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

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

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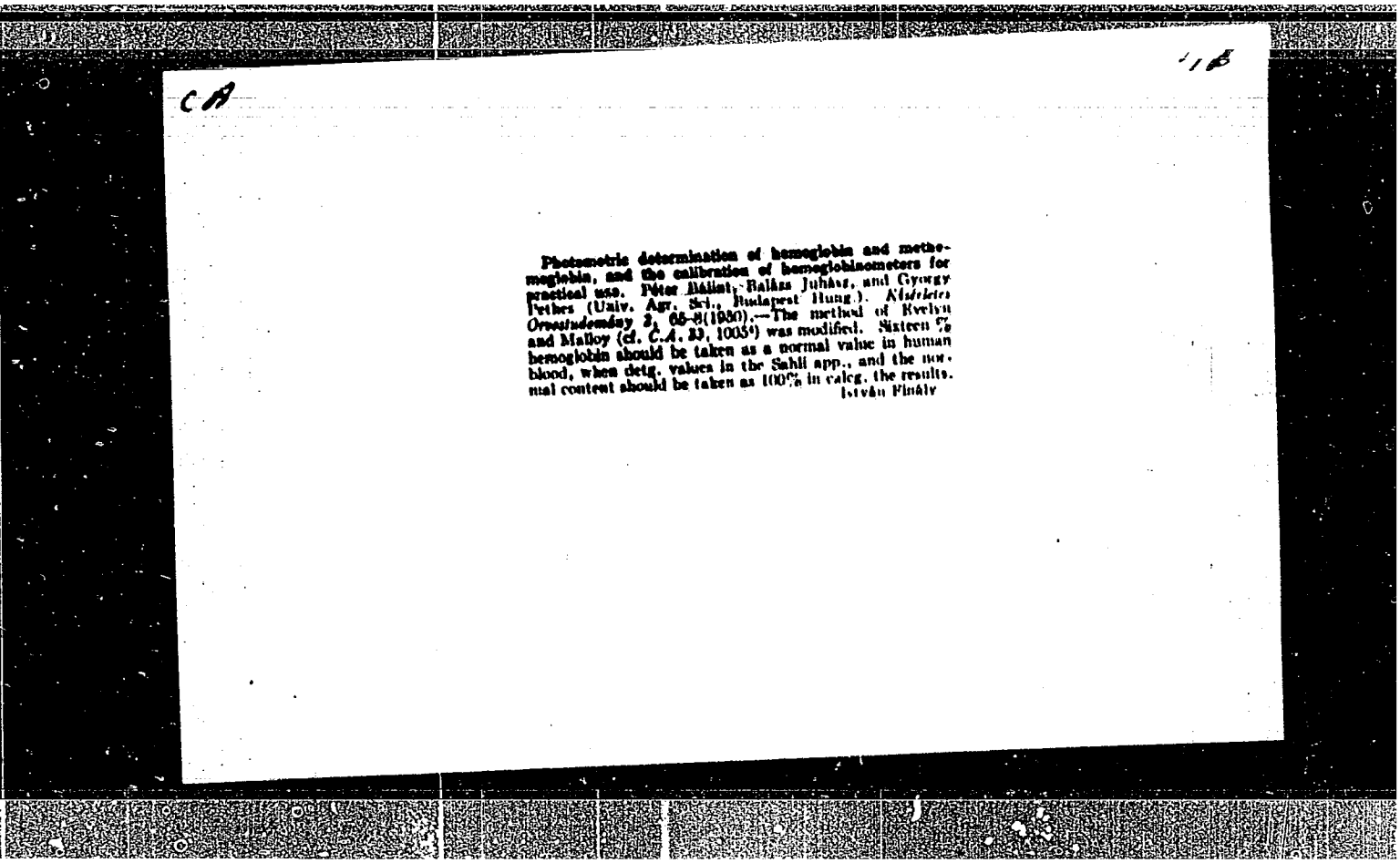

CA

1/6

Photometric determination of hemoglobin and methemoglobin, and the calibration of hemoglobinometers for practical use. Péter Hálint, Balázs Juhász, and György Fethes (Univ. Agr. Sci., Budapest Hung.). *Kísérletes Orvostudomány* 2, 65-8(1950).—The method of Evelyn and Malloy (cf. *C.A.* 33, 1005⁹) was modified. Sixteen % hemoglobin should be taken as a normal value in human blood, when detg. values in the Sahli app., and the normal content should be taken as 100% in calcg. the results.
István Finály

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P. 1951

(I Med. Univ. Klinik, Budapest)

"Behabior of the Extracellular Space in Surgical Shock."

Acta Physiol (Budapest), 1951 2/1 suppl. (28)
No. Abst. in Exc. Med.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT. P. 1951

(Physiol Inst. der Tierarztl. Hochschule, Budapest)

"Behavior of the Fluid Spaces in Haemorrhagic Shock."

Acta Physiol (Budapest), 1951 2/1 suppl. (28-29)
No abst. in Exc. Med.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P. 1952

(Budapest Med. Univ. Physiol. Inst.)

"Measurements of Glomerular Filtration Rate and Renal Blood Flow Without Urine Analysis."

Kiserl. Orvostud. 1952, 4/1 (38-45)
No Abst: in Exc. Med.

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BALINT, P.

Fekete, Al; Balint, P.; Laszlo, K.

"Cortical Factors in the Development of the Post Traumatic Renal Change." p. 43
(Acta Physiologica, Supplement to v. 4, 1953, Budapest)

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

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BALINT, P.

Adam Gy.; Bacsanyi, J.; Balint, P.

"Effect of Conditioned Inhibition on the Function of the Glomerulus of the Kidney." p. 44. (Acta Physiologica. Supplement to v. 4, 1953, Budapest)

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

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P.; KEKITE, A.; LASZLO, K.

Role of neural factors in the appearance of anurias associated with posthemorrhagic hypotensions. Kiserletes orvostud. 5 no.2:122-131 Mar 1953. (CIML 24:4)

1. Institute of Physiology, Budapest Medical University.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P., HEGEDUS, A.

" Brief Examination of the Micro- method for the Determination of Alcohol Content in Blood and Other Body Liquids". p.148, (KISERLETES ORVOSTUDOMANY. Vol.5, No.2, Mar. 1953, Budapest, Hungary).

SO: Monthly List of East European Accessions, L. C., Vol.2, No.11, Nov.1953 Uncl.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P.; FEKETE, A.; LASZLO, K.; PINTER, G.

New data on the mechanism of posthemorrhagic anuria. Orv. hetil. 94 no. 26:713 28 June 1953. (CLML 25:1)

1. Doctors. 2. Institute of Physiology, Budapest Medical University.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P.

Physiol. Inst., med. Univ., Budapest. *Angaben uber die Auswertbarkeit der Clearance-Methoden. Interpretability of clearance methods ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (67)

SO: EXCERPTA MEDICA - Section II, Vol. 7, No. 10

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

LÁSZLÓ K., LUNZER L., BÁLINT P. and FEKETE Á.

Physiol. Inst., med. Univ., Budapest. *Über die Inulinspeicherung der Niere. Inulin storage by the kidney ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (67-68)

SO: EXCERPTA MEDICA - Section II, Vol. 7, No. 10

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

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LÁSZLÓ K., PINTER G., BÁLINT P., and FEKETE Á.

Physiol. Inst., med. Univ., Budapest. *Wirkung von posthämorrhagischer Hypotonie auf die Nierentätigkeit von Hunden nach Durchschneidung des Rückenmarkes. Effect of posthaemorrhagic hypotension on renal function in the dog after section of the spinal cord ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (68-69)

SO: EXCERPTA MEDICA - Section II, Vol. 7, No. 10

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

HADJU A., LASZLO K., PETHES G., PINTER G., BALINT P. and FEKETE A.

Physiol. Inst., med. Univ., Budapest. *Ein interozeptiver Reflex in der Regulierung der Nierentätigkeit. An interoceptive reflex in the regulation of renal function

ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (69-70)

SO: EXCERPTA MEDICA - Section II, Vol. 7, No. 10

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P.; LASZLO, K.; FEKETE, A.; ROMHANYI, G.; GYORGYPALY, J.

The protective effect of general anesthesia on posthemorrhagic renal changes. Acta physiol. hung. 6 no.1:57-67 1954.

1. Institute of Physiology of the Medical University, Budapest, and Institute of Pathological Anatomy of the Medical University, Pecs.
(KIDNEYS, pathol.
posthemorrhagic in dogs, protective eff. of general anesth.)
(NECROSIS, exper.
kidneys, posthemorrhagic, protective eff. of general anesth.)
(KIDNEYS, dis.
necrosis, posthemorrhagic in dogs, protective eff. of general anesth.)
(ANESTHESIA, eff.
protective eff. on posthemorrhagic renal changes in dogs)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P.; FEKETE, A.; LASZLO, K.; PINTER, G.

Nervous factors in the genesis of posthemorrhagic anuria. Acta physiol. hung. 6 no.1:69-79 1954.

1. Institute of Physiology of the Medical University, Budapest.
(ANURIA, exper.
induced by hemorrhagic hypotension, nervous regulation in dogs)
(HYPOTENSION, exper.
hemorrhagic, causing anuria in dogs, nervous factors)
(HEMORRHAGE, exper.
causing anuria, nervous regulation in dogs)

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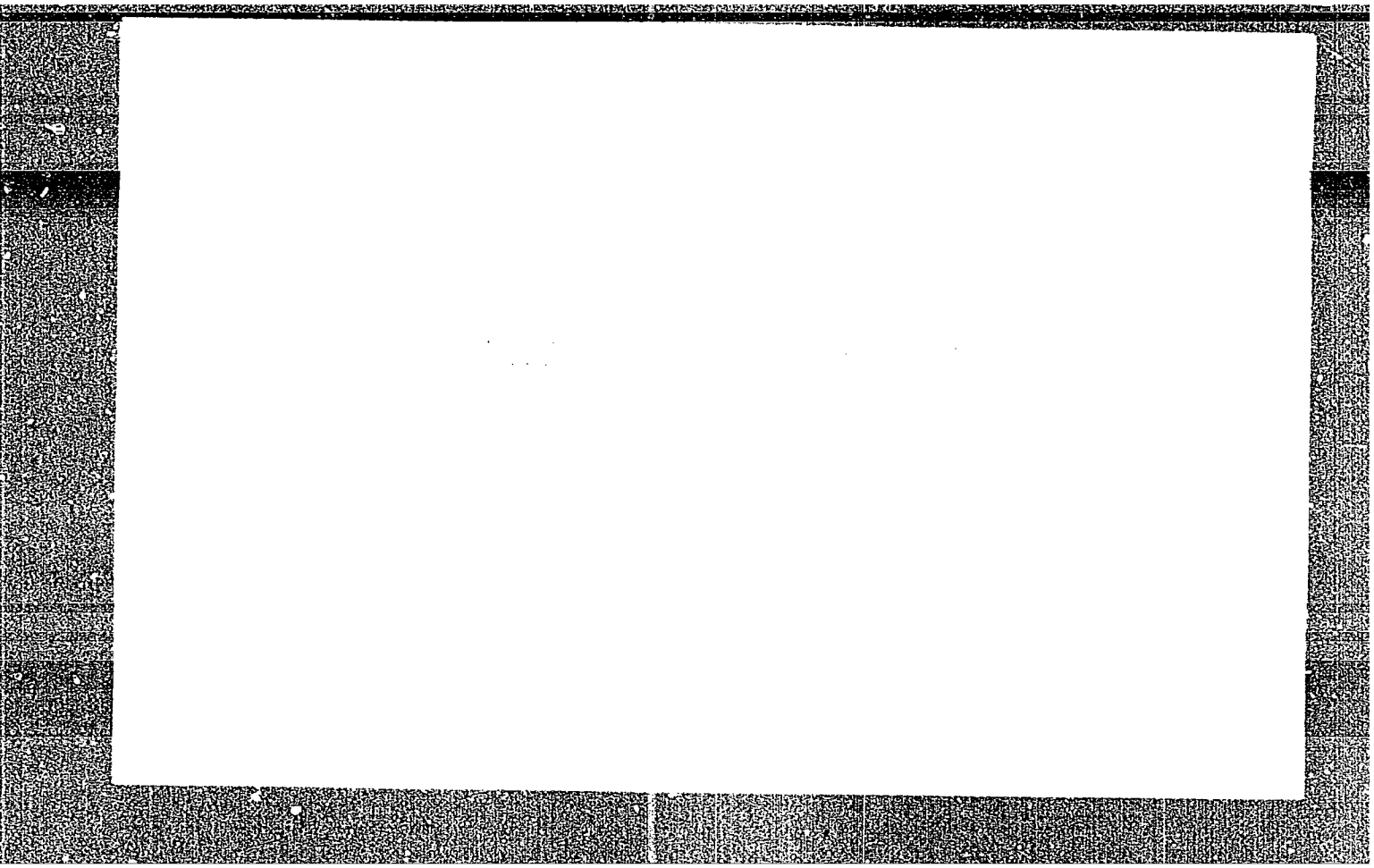

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, Peter,; LASZLO, Katalin,; SZALAY, Zsuzsanna.

Nervous regulation of tubular sodium reabsorption. Kiserletes orvostud. 7 no.6:610-623 Nov 55.

1. Budapesti Orvostudomanyi Egyetem Elettani Intezete.
(KIDNEYS, physiol.
nerv. regulation of tubular reabsorp. of sodium & water in innervated & transplanted kidneys in dogs (Hun))
(SODIUM, metab.
tubular reabsorp. in innervated & transplanted kidneys in dogs, nerv. regulation (Hun))
(WATER, metab.
same)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

3593. BALINT P., FEKETE Á. and SZALAY Z. Budapesti Orvostudományi Egyetem Élettani Intézete.*A vesemüködés alkalmazkodásának idegi szabályozása. Neural regulation of the adaptation of renal activity KISÉRL. ORVOSTUD. 1955, 7/6 (624-635) Tables 6

Responses of innervated and transplanted (denervated) kidneys to hypotension (70 mm. Hg) induced by clamping the aorta or by bleeding were studied. RPF was measured directly and GFR was calculated as RPF × E_{in}. In the bleeding experiments the innervated kidney reacted with vasoconstriction and the transplanted kidney showed no change of vascular tone. When the aorta was clamped, both the innervated and the transplanted kidney responded with vasodilatation. Na and water excretion showed a greater decrease in the innervated than in the transplanted kidney in both series of experiments. Since the GFR was the same in the innervated and transplanted kidney, it is concluded that greater reabsorption of Na and water by the innervated tubuli is responsible for the difference. It is believed that the hypotension produced by clamping the aorta stimulates the histologically demonstrable receptors in the renal artery, which then gives rise, by a reflex mechanism with direct action on the tubuli, to an increased reabsorption of Na and water. The post-haemorrhagic oliguria is ascribed to a combination of 2 reflex mechanisms: cerebral hypotension leads to vasoconstriction and local hypotension in the renal artery leads to increase of Na and water reabsorption as outlined above.

From authors' summary

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BALINT P.

4707. BALINT P., FEKETE A., HAJDU A. and KISS E. Orvostudományi Egyetem Elettani Int., Budapest. *Interoceptiv reflex a vesemüködés szabályozásában. An interoceptive reflex in the regulation of renal function KISERL.ORVOSTUD. 1956, 8/1 (61-74) Tables 5

The kidney of an anaesthetized dog was perfused from another dog's circulation. By decreasing the perfusion pressure, vasodilatation in the perfused kidney could be produced, while Na and water output fell to very low values. After killing of the recipient animal, thus functionally denervating the perfused kidney, the same decrease in perfusion pressure brings about the same grade of vasodilatation, but the diminution of Na and water output is significantly less than in the innervated state. A reflex mechanism is suggested, the stimulus being the decreased perfusion pressure and the effector organ being the tubuli, which respond by increased Na and water reabsorption.

Bálint - Budapest

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, Peter; FORGACS, Ivan

Apparent increase of extracellular space (inulin space) in nephrectomized dogs. Kiserletes orvostud. 8 no.5:534-539 Sept 56.

1. Budapest Orvostudomanyi Egyetem Elettani Intezete.
(KIDNEYS, eff. of excis.
on blood inulin & extracellular inulin volume in dogs (Hun))
(INULIN, in blood
eff. of nephrectomy on content & relation to extracellular inulin volume in dogs (Hun))

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EXCERPTA MEDICA Sec.2 Vol.10/3 Physiology March 57

1258 BÁLINT P., KISS É. and SZALAY Z. Orvostud. Egyet. Élettani Int., Budapest. *Adatok a kutya glomerulus filtfaciójának méréséhez. Measurement of glomerular filtration in the dog KISÉRL.ORVOSTUD. 1956, 8/5 (539-547) Tables 3

Inulin and creatinine clearance values obtained in anaesthetized dogs in dehydration and subsequent mannitol diuresis were compared. It was found that the clearances of 'yeast-resistant' and 'alkali-resistant' inulins are the same. The exogenous creatinine clearance by the method of Popper or of Hare gives the same value as the inulin clearance. The endogenous creatinine clearance according to Hare equals the exogenous creatinine and the inulin clearance. The endogenous chromogen clearance according to Popper gives a lower value than the other methods and is not suitable for the determination of GFR in the dog.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

HUNGARY/Human and Animal Physiology. Excretion. T

Abs Jour: Ref Zhur-Biol., No 20, 1958, 93335.

Author : Balint, P., Fekete, A., Majdu, A.
Inst : AS Hungary.
Title : Evaluation of Clearance Tests in Oliguria.

Orig Pub: Acta physiol. Acad. sci. hung., 1956, 10, No 2-4, 239-246.

Abstract: In 3 series of experiments on dogs more than 500 direct determinations were conducted on the amounts of blood plasma passed through the kidneys and excretion from it of PAH and inulin (I), and determinations of the plasma flow (PF) after clearance of PAH and glomerular filtration (GF) after clearance of I were done at the same time. In the 1st series studies were conducted

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on dogs with kidneys exposed by means of lumbar section while the renal vein was joined to the jugular; in the 2nd series - in animals with transplanted kidneys, and in the 3rd series the kidney of the recipient was united with the carotid artery and the jugular vein of the dog-donor, and the connection was maintained with the CNS. In diuresis (D) of more than 2 ml per minute the values of PF and GF, determined by simple methods and computed from direct determinations of PF, correlated well. With a decrease in D this conformity was somewhat altered, and with less D, PF and GF, determined by simple methods, were several times lower than the originals obtained by direct determination. By determining kidney clearance by the "infusion" method, wherein the concentration of the substance introduced into the plasma

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

Abs Jour: Ref Zhur-Biol., No 20, 1958, 93335.

remained constant, i.e., the concentration of the introduced substance at a given time (1 min) was equal to the concentration of this substance excreted from the urine in 1 minute, there was found to be a sharp decline in the clearance with low D. Too low values of clearance, obtained with determinations by simple methods during the interval of oliguria, were explained by the presence of non-functioning areas in the urinary tracts. -- O.S. Glozman.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P.; LASZLO, K.; SZALAY, Zs.

The nervous regulation of sodium reabsorption in renal tubules.
Acta physiol. hung. 10 no.2-4:247-262 1956.

1. Institute of Physiology, University School, Budapest.
(KIDNEYS, physiol.
tubular reabsorp. of sodium, nervous regulation in dogs)
(NERVOUS SYSTEM, physiol.
regulation of sodium reabsorp. in renal tubules in dogs)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P.; FEKETE, A.; SZALAY, Zs.

The nervous regulation of renal adaptation. Act physiol. hung. 10 no.2-4:263-276 1956.

1. Institute of Physiology, University Medical School, Budapest.
(KIDNEYS, physiol.
adaptation to exper. hypotension in dogs, nervous regulation)
(NERVOUS SYSTEM, physiol.
regulation of renal adaptation to exper. hypotension in dogs.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

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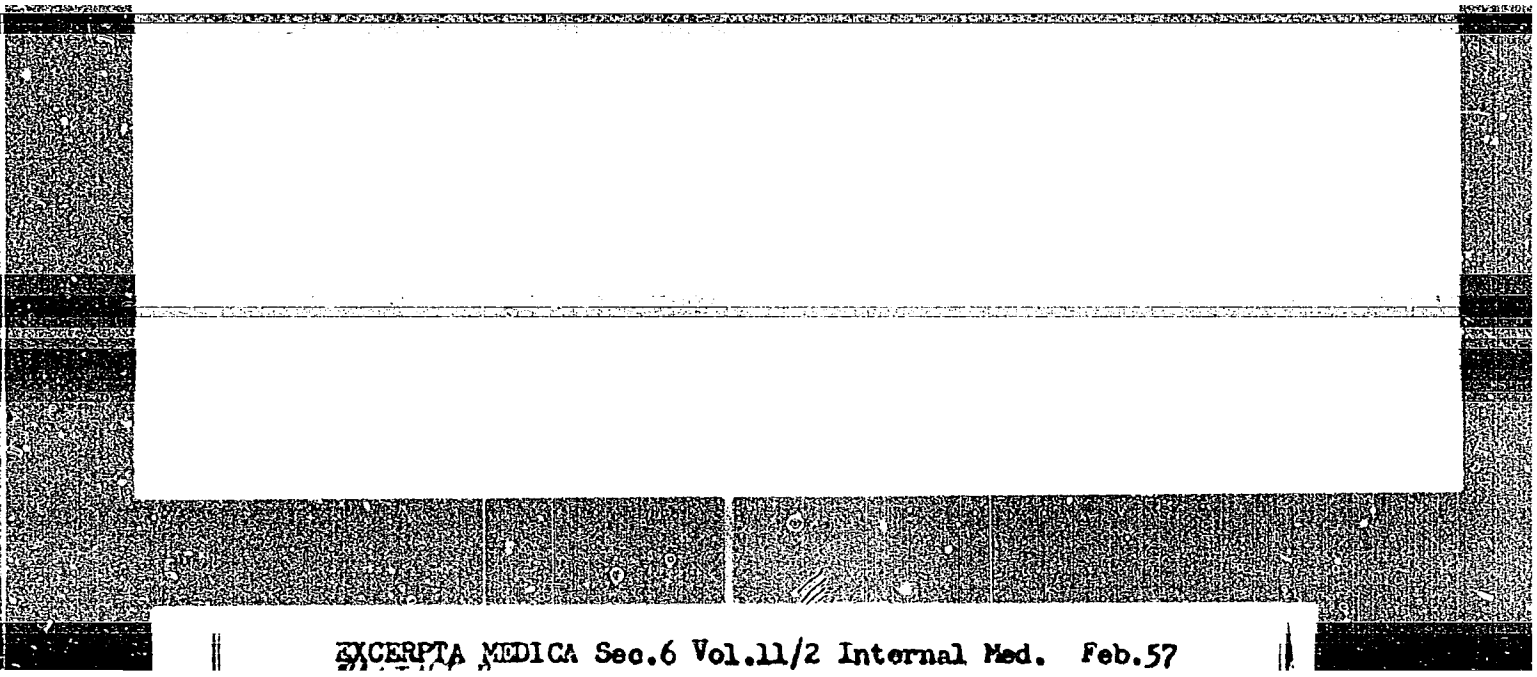

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT P.

1131. BÁLINT P., FEKETE Á., HAJDU A. and KISS É. Inst. of Physiol., Med.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

1131 CONT.

Univ., Budapest. *An interoceptive reflex in the regulation of renal function ACTA MED.SCAND. 1956, 154/5 (407-415) Tables 4
Using perfused kidney preparations, the response of the intact and denervated kidney to lowering of perfusion pressure was compared. In the innervated and denervated kidneys, with perfusion pressure reduced by constriction of the arterial supply, vasodilatation and a decrease in renal blood flow and in glomerular filtration rate of similar degree were observed. In both, sodium and water excretion was decreased, but the sodium retention and the oliguria were of significantly lesser degree in the denervated kidney. These results are interpreted as indicative of the presence of a reflex mechanism whose efferent path runs in the renal nerves, and whose effector organ is the tubular structure of the kidney; it is postulated that with the reflex intact, the tubular system responds to renal arterial hypotension by an increase in sodium and water reabsorption. Towbin - Rye, N.Y.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

HUNGARY/Human and Animal Physiology - Excretion. V-6

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18266

Author : Peter Balint, Eva Kiss and Zsuzsanna Szalay
Inst : -
Title : The Amount of Blood Flowing Through the Kidney in Dehyration and Osmotic Diuresis.

Orig Pub : Kiserl. orvostud., 1957, 9, No 2, 191-197

Abstract : Among dogs which were oliguric after 12 to 48 hours without water, determinations were made of renal clearance of inulin, creatinine and PAH and of the extraction of these substances from the blood flowing through the kidneys. The calculated effective flow of plasma through the kidneys according to the clearence value was less than when a direct determination was made in the presence of polyuria produced by an infusion of mannitol. The difference obtained in the case of oliguria is expained the accumulation in the kidneys of the substances used to determine clearance during oliguria.

Card 1/1

Budapest Orvostudomanyi Egyetem Elettani Intezete

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

Sec. Vol.1-/12 Phy.Biochem. Dec. 57

BÁCINT P.

5193. BÁLINT P. and FORGÁCS I. Inst. of Physiol., Univ. Med. Sch., Budapest.
*The apparent expansion of the extracellular space (inulin space) in the nephrectomized dog ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1957, 11/2 (205-210) Tables 3

The inulin space was determined in nephrectomized dogs and, as with other investigators, was found to be about 17% of the total body weight. The serum level of inulin declines gradually, with apparent increase of the inulin space. However, 'overloading' and 'afterloading' experiments indicate that the inulin space has not actually expanded but that inulin is slowly utilized or stored in the body, and this accounts for the drop in serum concentration. Lippman - Los Angeles, Calif.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P.; KISS, M.; SZAIAY, Zs.

On the measurement of glomerular filtration rate in the dog. Acta physiol. hung. 12 no.1-3:125-136 1957.

1. Physiological Institute, Medical University, Budapest.
(KIDNEYS, physiol.
glomerular filtration rate, measurement in dogs.)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, Peter

Regulation of osmosis and body fluid volume. Orv. hetil. 98 no.46: 1255-1263 17 Nov 57.

1. Az Orvosi Hetilap alapitasanak 100-ik evfordulojara, a szerkesztoseg felkeresere irt tanulmany.

(OSMOSIS AND PERMEABILITY
osmotic regulation, synergism with regulation of body fluid balance, review (Hun))
(BODY FLUID BALANCE
regulation, synergism with osmotic regulation, reciew (Hun))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, P.

Effect of the cerebral cortex on water and sodium excretion. In German, p. 57

ACTA BIOLOGICA. Budapest, Hungary, Vol. 10, No. 1, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960
Uncl.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, Peter; KISS, Eva; STURZ, Josef

Effect of letting of small amounts of the blood on minute volume of the heart and renal circulation. Kiserletes Orvostudomany 11 no.4:262-272 August 1959

1. Budapesti Orvostudomanyi Egyetem Elettani Intezete.
(BLOODLETTING, eff)
(HEART, physiol)
(KIDNEYS, blood supply)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, Peter; KISS, Eva; STURCZ, Jozsef

Minute volume of the heart and renal circulation in acute hypotonia.
Kiserletes Orvostudomany 11 no.4:351-362 August 1959

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(HYPOTENSION, exper)
(KIDNEYS, blood supply)
(HEART, physiol)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

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BALINT, Peter; FEKETE, Agnes

Blood circulation and renal function in dehydration. Kiserletes Orvostudomany 11 no.6:659-667 December 1959.

1. Budapesti Orvostudomanyi Egyetem Elettani Intezete.
(DEHYDRATION, exper.) (KIDNEYS, physiol.)
(BLOOD CIRCULATION, physiol.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, Peter; FEKETE, Agnes; STURCZ, Jozsef; SZALAY, Zsuzsanna, technikai segédletevel

Blood circulation and renal function in post-hemorrhagic hypotonia. Kiserletes. Orvostudomany 12 no.1:20-26 F '60.

1. Budapesti Orvostudomanyi Egyetem Allattani Intezete.
(HYPOTENSION exper)
(KIDNEYS physiol)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

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Circulation and renal function in the dehydrated dog. Acta physiol. hung. 17 no.3:277-286 '60.

1. Institute of Physiology, Medical University, Budapest.
(DEHYDRATION exper)
(KIDNEYS, physiol)
(BLOOD CIRCULATION physiol)

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BALINT,P.; FEKETE, Agnes; STURGZ,J.; with the technical assistance of S.Szalay.

The influence of haemorrhage on circulation and renal function in the dog. Acta physiol. hyng. 17 no.3:287-293 '60.

1. Institute of Physiology, Medical University, Budapest
(HEMORRHAGE, exper)
(BLOOD CIRCULATION physiol)
(KIDNEYS, physiol)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, Peter, dr.

Renal circulation in hypotensive and hypovolemic states. Orv. hetil. 102 no.29:1345-1352 16 Jl '61.

1. Budapesti Orvostudomanyi Egyetem, Elettani Intezet.

(KIDNEY blood supply) (HYPOTENSION physiol)
(BLOOD VOLUME physiol)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

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BALINT, Peter; FORGACS, Ivan.

Recent views on the evaluation of clearance methods. Kiserl. orvostud. 16 no.1:101-111 Ja'64.

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BALINT, Peter, dr.

Postischemic renal insufficiency (experimental so-called acute renal failure). Orv. hetil. 105 no.3:98-103 19 Ja'64.

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*

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, Peter; FARGACS, Ivan; PALASTI, Erzsebet

Kidney reaction in various forms of arterial hypotension. Kiserl. orvostud. 16 no.4:408-418 Ag '64.

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BALINT,P.; FORGACS,I.; PALASTI, Elisabeth

Renal responses to different forms of arterial hypotension. Acta physiol. Acad. sci. Hung. 27 no.1: 33-46 '65

1. Institute of Physiology, University Medical School, Budapest.

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BALINT, P.; FORGACS, I.

On the mechanism of renal failure in dehydration. Acta physiol. Acad. sci. Hung. 27 no.1:47-58 '65

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BALINT, P.; FORGACS, I.

Considerations on the evaluation of the clearance methods.
Acta physiol. acad. sci. Hung. 25 no.2:203-215 '64.

1. Institute of Physiology, University Medical School, Budapest.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

ACC NR: AT6032347 SOURCE CODE: HU/2505/65/027/001/0047/0058

AUTHOR: Balint, Peter; Forgacs, Ivan

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

TITLE: Mechanism of renal failure in dehydration

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 27, no. 1, 1965, 47-58

TOPIC TAGS: dog, blood pressure, blood circulation, animal physiology

ABSTRACT: The following has been demonstrated in dogs dehydrated by pyloric ligation. 1) The renal blood flow, measured directly, decreases essentially in proportion to the decrease in blood pressure. An increase in renal resistance can only be demonstrated at low blood pressure levels. 2) The GFR drops in every case to a fraction of the normal value. This explains the development of renal failure in dehydration. 3) The excessive decrease in PAH extraction is indicative of the impairment in the secretory activity of the tubules. This is correlated with the extreme reduction of renal plasma flow. 4) As measured at the same RBF, there is no difference in the renal oxygen consumption of dehydrated and normal animals. The authors thank Mrs. S. Bacsalmasy and Mrs. Szalay for valuable technical assistance. Orig. art. has: 5 figures and 3 tables. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: 23Apr64 / ORIG REF: 008 / OTH REF: 017

Card 1/1 0919 5400

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

L 1991-66
ACCESSION NR: AT5024299 HU/2505/64/025/002/0203/0215

AUTHOR: Balint, Peter; Forgacs, Ivan

TITLE: Considerations related to the evaluation of the clearance methods

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 25, no. 2, 1964, 203-215

TOPIC TAGS: dog, animal physiology, metabolic waste

ABSTRACT: [English article, authors' English summary modified] It has been demonstrated on anesthetized dogs that certain clearance substances (PAH, inulin, creatinine) are not removed quantitatively from the kidney ir the venous blood and urine. Transport through the lymphatics is mostly responsible for the loss of clearance substances in oliguria, renal storage and in polyuria (osmotic diuresis). Because of the loss of clearance substances in oliguria, the clearances determined by the usual methods are unsuited for the determination of RBF, RPF and GFR even when the extraction ratio is taken

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ACCESSION NR: AT5024299

into account. With satisfactory diuresis, only the PAH clearance (with the extraction ratio considered) is suited for the determination of RBF and RPF. When there is adequate diuresis, the GFR is determined on the basis of inulin and creatinine clearances, done by the classical method. In oliguria, the so-called direct inulin and creatinine clearances are believed to be suited for use for this purpose.

"We are indebted to Mrs. E. Bacsalmasi and Mrs. E. Szalay for excellent technical assistance." Orig. art. has: 8 formulas, 3 graphs, 4 tables.

ASSOCIATION: Institute of Physiology, University Medical School, Budapest

SUBMITTED: 00 ENCL: 00 SUB CODE: LS

NR REF SOV: 000 OTHER: 029 JPRS

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L 31084-66

ACC NR: AT6022822 SOURCE CODE: HU/2505/65/028/003/0265/0272

AUTHOR: Balint, Peter; Visy, Maria--Vishi, M.

ORG: Institute of Physiology, Medical University, Budapest (Orvostudomanyi Egyetem Elottani Intezete)

TITLE: Presence of "true creatinine" and "pseudocreatinine" in the blood plasma of the dog

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 28, no. 3, 1965, 265-272

TOPIC TAGS: dog, blood plasma, biochemistry, animal physiology

ABSTRACT: The use of Lloyd's reagent has been added to the Popper, Mandel and Mayer (1937) method of creatinine determination in order to fractionate the chromogen materials present in body fluids which give a positive Jaffe reaction. The following conclusions were drawn. 1) In the normal dog, not more than 56 per cent of the total chromogen in blood plasma is true creatinine, the remaining 44 per cent consists of pseudocreatinine. 2) The renal clearance of true creatinine is equal to the inulin clearance and can be used for the estimation of the glomerular filtration rate. The chromogen clearance, on the other hand, is not suited for even an approximate evaluation of the GFR in a normal dog. 3) After nephrectomy, the chromogen concentration in

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L 31084-66

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plasma rises concomitantly with the non-protein nitrogen. In the azotemic animal, a consistently smaller fraction of the total chromogen is made up of pseudocreatinine and the elevation of chromogen concentration, under such conditions, is almost entirely due to an increase in the true creatinine level. Orig. art. has: 3 tables. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: 07Jan65 / ORIG REF: 004 / OTH REF: 027

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

L 30130-66

ACC NR: AT6020340 SOURCE CODE: HU/2505/65/028/004/0363/0371

AUTHOR: Balint, Peter; Chatel, Rudolf

ORG: Institute of Physiology, University Medical School, Budapest (Orvostudomanyi Egyetem Elettani Intezete)

TITLE: Renal circulation and baroreceptor reflexes

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 28, no. 4, 1965, 363-371

TOPIC TAGS: blood circulation, blood pressure, dog, animal physiology

ABSTRACT: Changes in arterial pressure, cardiac output and renal blood flow were studied in anaesthetized dogs during circulatory responses to altered baroreceptor activity. It was found that (1) in systemic hypertension induced by bilateral common carotid occlusion, cardiac output remained unaltered while renal blood flow decreased abruptly; the results obtained point to an active constriction of the renal vessels during the pressor response; and (2) elevation of pressure in the isolated carotid sinuses elicited reflex hypotension in systemic circulation. Cardiac output and renal blood flow decreased; during the depressor response an active dilatation of the renal vessels occurred. The authors thank Mrs. S. Bacsalmasy and Mrs. S. Szalay for their technical assistance. Orig. art. has: 2 figures and 2 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: 11Feb65 / OTH REF: 018

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

L 04468-67

ACC NR: AP6028467 SOURCE CODE: HU/0018/66/000/003/0313/0321

AUTHOR: Balint, Peter; Fekete, Agnes; Taraba, Istvan; Visy, Maria

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

TITLE: Effect of anaesthesia on the survival and renal function of dogs after loss of blood

SOURCE: Kiserletes orvostudomany, no. 3, 1966, 313-321

TOPIC TAGS: dog, blood circulation, anesthesiology, kidney, blood, tissue physiology

ABSTRACT: Oligemic shock was induced in dogs by removal of blood; the arterial pressure was decreased to 50 mm Hg for 90 minutes, followed by re-infusion of the blood. The following observations were made. 1) When carried out under chloralose anaesthesia, more of the dogs survived the immediate consequences of the trauma (2 days' survival) than in the alert group. 2) Of the 16 dogs which survived for 2 days after the bleeding, 6 died of acute renal insufficiency within 2-8 days; the 10 which were alive after 15 days can be considered survivors. 3) In one group of dogs, an acute experiment was carried out between 30 hours and 14 days after the blood removal. According to the observations, in the period immediately following the trauma, renal blood flow decreased, renal resistance increased, glomerular filtration and PAH extraction considerably decreased. When the tests were carried out 14 days after the blood removal, no disturbance in renal function was observed. 4) The relationship between renal O_2 consumption and renal blood flow or tubular Na re-absorption was identical in the normal and experimental animals.

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ACC NR: AP6028467

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The authors thank Bacsalmasy Emilne, Kliment Olga and Szalay Elemerne for assistance with the experiments. Orig. art. has: 2 figures and 1 table. [JPRS: 36,599]

SUB CODE: 06 / SUBM DATE: 02Dec65 / ORIG REF: 006 / OTH REF: 019

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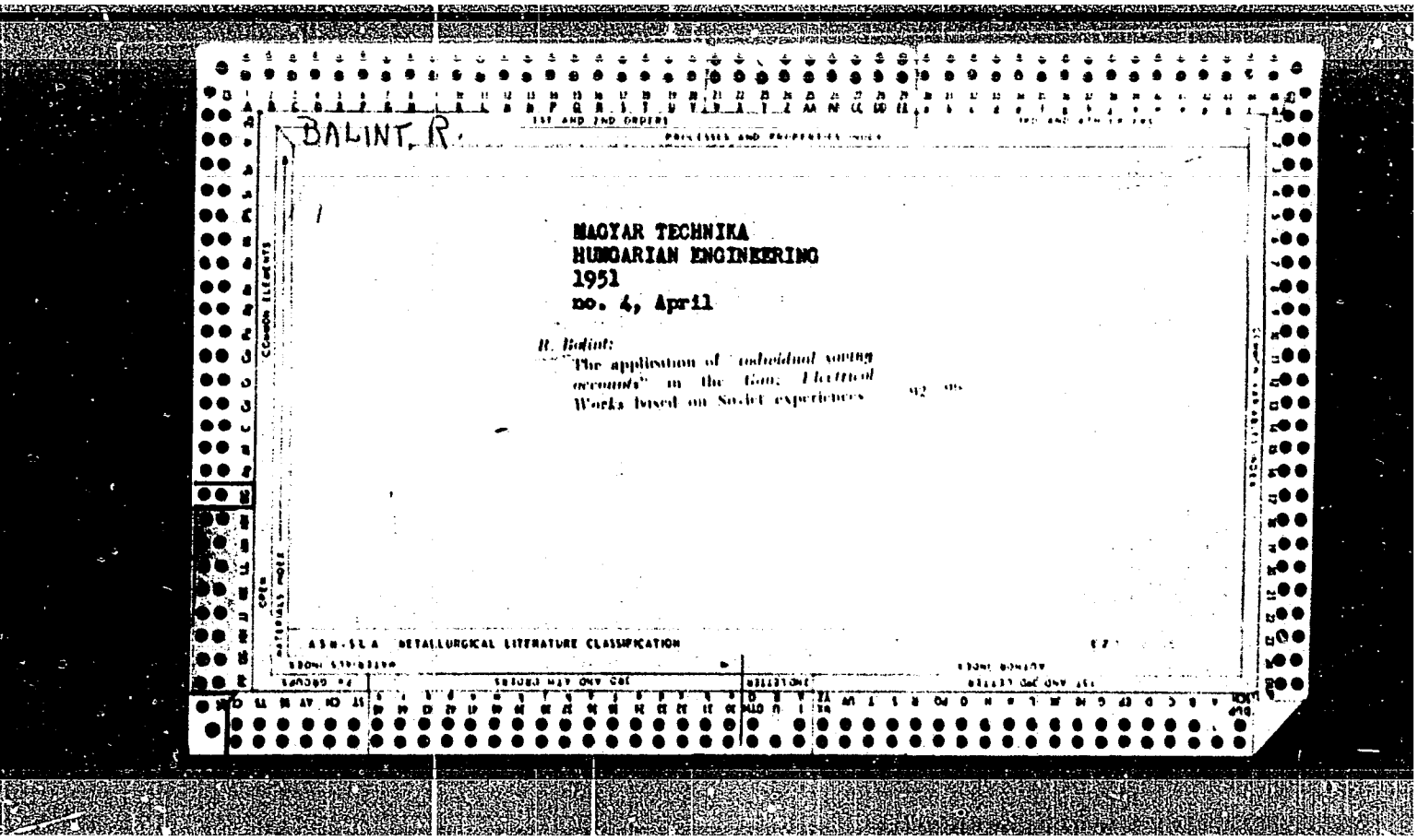

BALINT, R.

MAGYAR TECHNIKA
HUNGARIAN ENGINEERING
1951
no. 4, April

R. Balint:
"The application of *cubeidual* sorting accounts" in the Gen. *Electrical* Works based on Soviet experiences

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, R.

"Before Hungarian-Soviet Friendship Month", P. 1. (TOBBTERMELES, Vol. 8, No. 2, Feb. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, R.

Tobbtermeles - Vol. 9, no. 5, May 1955.

Participation of workers in the field of planning and organization in the work of the Central Committee of Planned Economy for 1955. p. 6.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, S.

Ronto, L. The industrial planning system is eight years old, p. 2.
TORTENELMI, Budapest, Vol. 9, no. 3, Mar. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BARNA, Mihaly; BALINT, Sandor (Szeged)

Red paprika of Szeged. Elet tud 18 no.19:591-595 12 My '63.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

BALINT, Sari, dr.; FULOP, Tibor, dr.

Suicidal digitalis poisoning. Recent therapeutic possibilities. Orv. hetil. 106 no.19:891-894 9 My '65.

1. Debreceni Orvostudomanyi Egyetem, I. Belklinika (igazgato: Fornet, Bela, dr.).

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

HUNGARY

SZALONTAI, Sandor MD; PALINT, Tarazi MD; and KOVACS, Tibor MD, of the Internal Medical Division No 2 (II. Belosztaly) of the Semmelweis Hospital (Semmelweis Korhaz) of the Pest Megye Council (Pest megyei Tanacs).

"Idiopathic Thrombopenic Purpura and Pregnancy"

Budapest, Orvosi Hetilap, Vol 103, No 47, 25 Nov 62; pp 2234-2235.

Abstract: [Authors' Hungarian summary] Authors describe a case of idiopathic thrombopenic purpura that developed during pregnancy. During the pregnancy stage only a mild clinical manifestation of the idiopathic thrombopenic purpura could be observed in the patient. For this occurrence the authors hold the increased hypophyseoadrenal function to be mainly responsible. The postpartum hemorrhage was caused by remaining decidua. After the elimination of the retention authors were forced to amputate the uterus due to the uncontrollable bleeding. Since the bleeding did not stop after the operation and did not respond to transfusion of blood platelets, Cohn Fraction I and the administration of cortisone, splenectomy was performed, after which the bleeding stopped and the number of blood platelets became normal. The infant was born without purpura

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HUNGARY

Budapest, Orvosi Hetilap, Vol 103, No 47, 25 Nov 62; pp 2234-2235.

with a normal blood-platelet count, despite the fact that the authors were able to demonstrate a mildly positive thrombocyte-complement binding reaction in the mother. [21 references, mostly Western].

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103310013-9

SZALONTAI, Sandor, dr.; BALINT, Terezia, dr.; KOVACS, Tibor, dr.

Idiopathic thrombopenic purpura and pregnancy. Orv. hetil. 103 no.47: 2234-2235 25 N '62.

1. Pest megyei Tanacs Semmelweis Korhaz, II. Belosztaly.
(PURPURA, THROMBOPENIC) (PREGNANCY COMPLICATIONS)

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BALINT, TIBOR

Goz-folyadek egyensuly kiserleti vizsgalata; irodalmi osszefoglalas.

Veszprem, Hungary, Magyar Asvanyolaj es Foldgaz Kiserleti Intezet, 1952, 46 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959. Uncl.

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BALINT, TIBOR

Asvanyolajparlatok viszgalata ibolyantuli fenyabszorpcioval; osszefoglalo jelentes.

Budapest, Hungary, 1955, 47 p.

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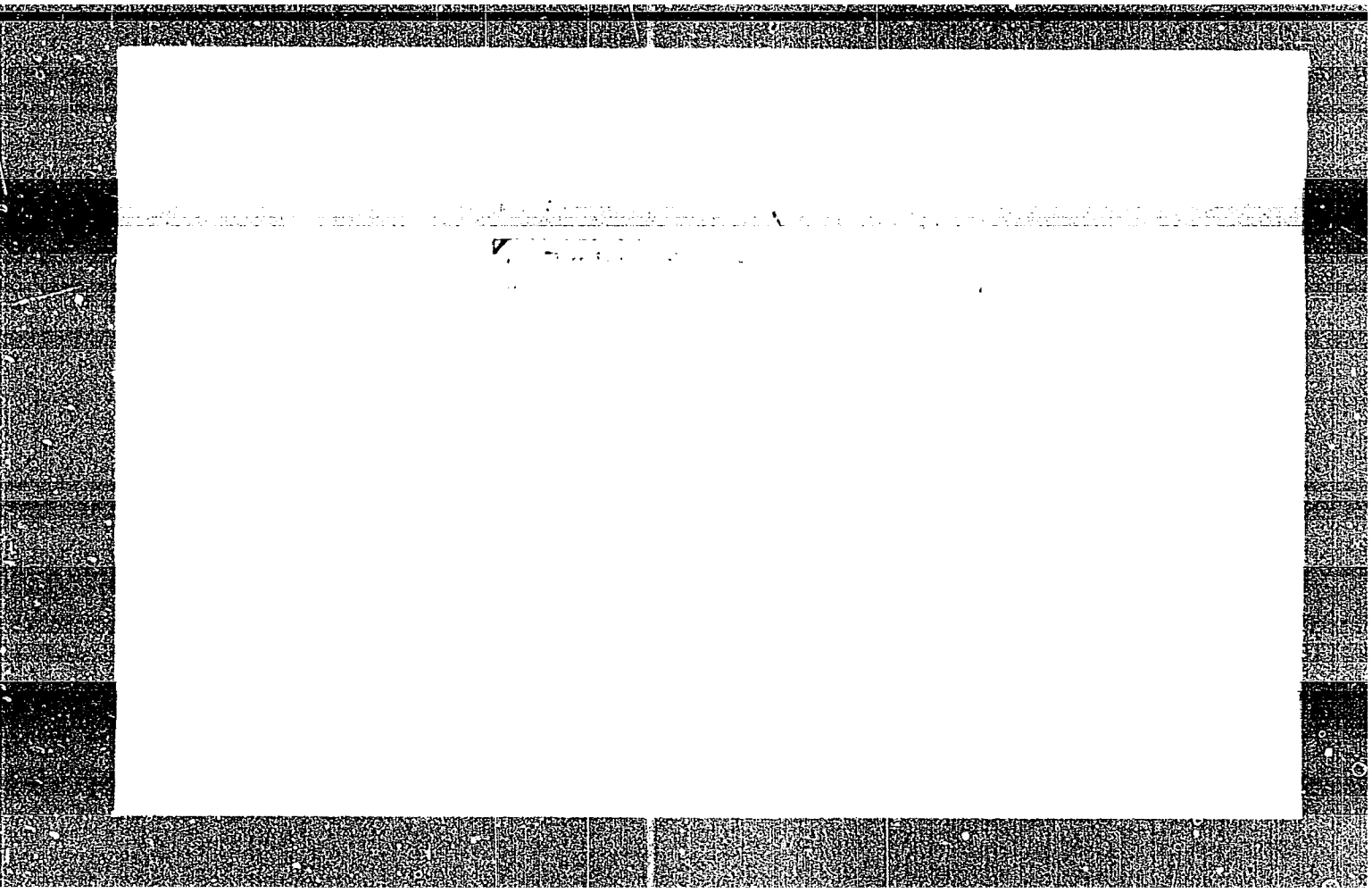

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Balint, T.

Distr: 4E3d

New quantitative method for the evaluation of ultraviolet spectrograms. Tibor Bálint (Hungarian Mineral Oil & Natural Gas Inst., Veszprém). *Magyar Kém. Folyóirat* 62, 3-6(1956).--Measurements were made on mixts of toluene, ethylbenzene, and cresols in the region 2400-3200 A. with H source of adjustable intensity but dispensing with beam-splitting arrangement. The response of the plates used hardly varies over the region; therefore, the difference between the blackening of the plate with the lamp running at 2 different currents is taken to be the same at the absorption band, λ_1, and at some reference wave length λ_2 where no absorption takes place. $I^0_{\lambda_1}$ is thus derived from I_{λ_1} by taking 2 exposures with and without sample at different currents. E. B. Richards

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HUNGARY/Optics - Optical Methods of Analysis K-8

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 7008

Author : Baliat T.
Inst : Research Institute for Mineral Oil and Natural Gas, Veszprem, Hungary
Title : Investigation of Aromatic Content of Kerosene and Gas Oil Fractions by Ultraviolet Light Absorption

Orig Pub : Acta chim. Acad. scient. hung., 1958, 15, No 2, 139-150

Abstract : A method has been developed for determining the contents of monocyclic and bicyclic aromatic compounds in fractions of kerosene, boiling betwen 180 and 285° C. For measurements, the camera objective in the ISP-22 spectrograph was replaced with a quartz lens with f = 75 mm, and the corresponding changes were made in the cassette portion. The sensitivity of the instrument increased by approximately ten times. The spectral region accessible for observation extends all the way to the continuous absorption spectrum of O_2. The determination of monocyclic aromatic compounds was carried out at

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Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 7008

the 1950 Å band. The molar coefficient of absorption (ε) decreases at 1950 Å linearly with increasing boiling temperature, and with this the analytical band shifts towards the larger λ . The average ε for naphthalene and α and β methyl naphthalene is 9,000 ℓ/g-mole-cm, and for C_{12}-C_{13} it is 5300 ℓ /g-mole-cm. The amount of double-ring aromatic compounds was determined from the 2800 Å band. The analysis can be carried out even in the presence of large amounts of bicycles. The average analysis error is one absolute percent. -- E.V. Broun

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Application of radioactivity in processing petroleum. p.461.

MAGYAR KEMIKUSOK LAPJA. (Magyar Kemikusok Egyesulete) Budapest, Hungary.
Vol. 14, no. 12, Dec. 1959.

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Feb. 1960 Uncl.

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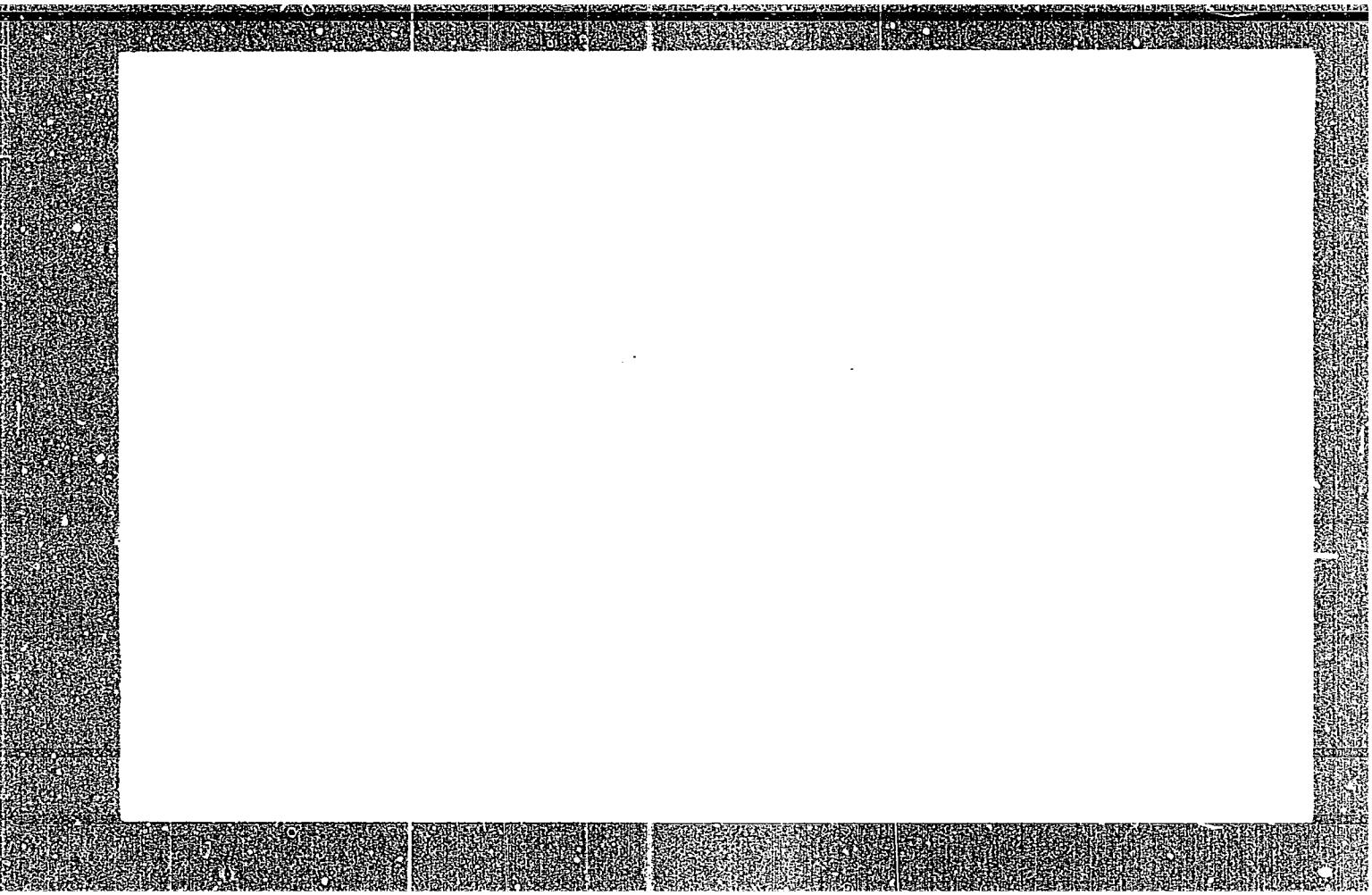

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BALINT, Tibor (Veszprem, Wartha Vince u.2-6)

Chromatographic separation of aromatic hydrocarbon groups of mineral oils in liquid phase on impregnated adsorbents. Acta chimica Hung 31 no.1-3:17-22. '62.

1. Ungarisches Erdol- und Erdgasforschungsinstitut.

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Preparing Sr-90 and Fe-55 radiation sources. Energia es atom 14 no.4/5:237-240 My '61.

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Chromatographic investigations on prepared adsorbent in liquid phase. Acta chimica Hung 35 no.4:391-405 '63.

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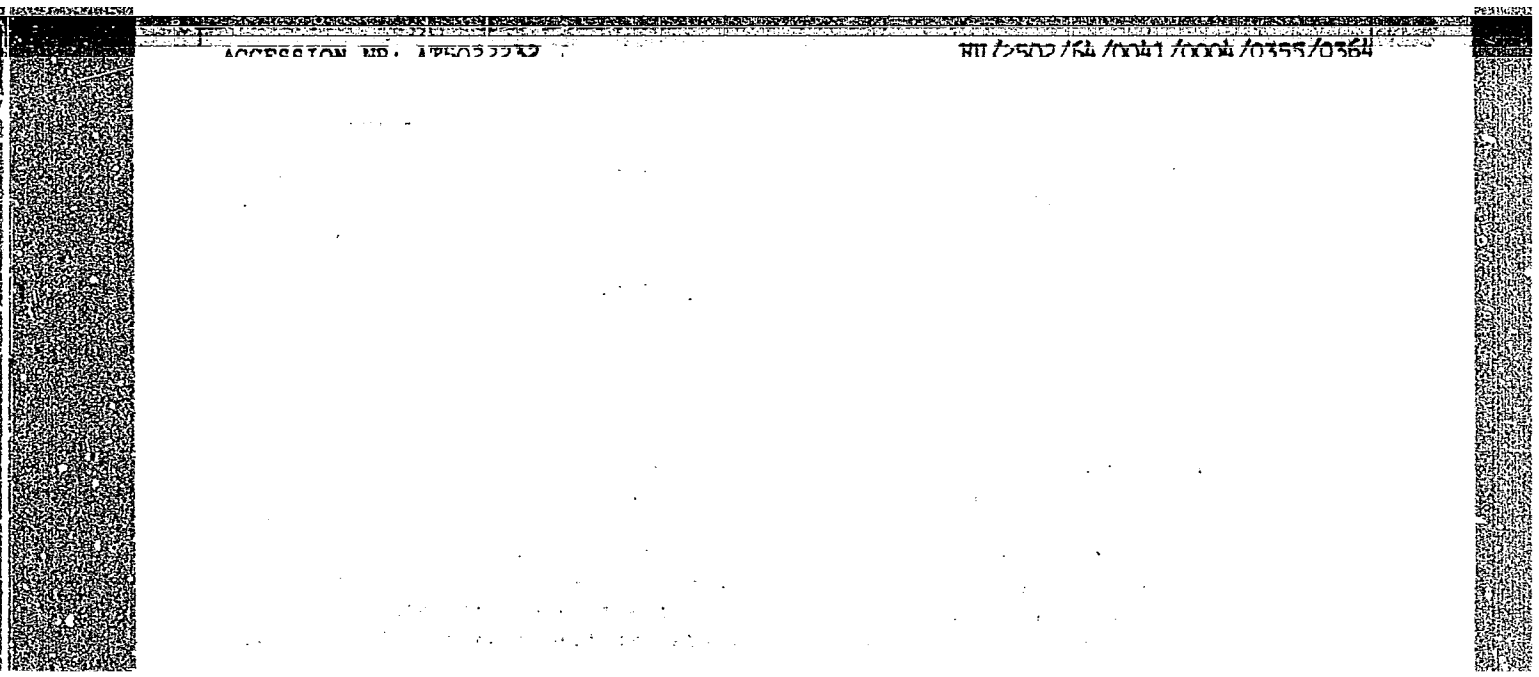

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Veszprem

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1. Research Institute of Oncopathology, Budapest, Hungary.
Submitted January 8, 1965.

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Studies on Quinoseptyl, a new sulfoamide with long-lasting effect. Magy allatorv lap 19 no.5:175-179 My '64

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"Experiences With Raticate, a New Rat Poison With Selective Effect."

Budapest, Magyar Allatorvosok Lapja, Vol 21, No 10, Oct 66, pages 452-454.

Abstract: [Authors' English summary modified] The effectiveness and applicability of the Shorin-type rat poison was evaluated at two agricultural plants. When used at the correct time and under conditions suitable for eradication, the Swiss Raticate can be as much as 100 per cent effective. A considerable reduction in the number of rats can be achieved even if perfect organization is impossible under the given circumstances. 3 Hungarian, 2 Western references.

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"Is the Method of the Machine Manufacture Bureau in Appraising Used Machines Correct", P. 22. (TOBBTERMELES, Vol. 8, No. 8, July 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

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(URACIL--ANALYSIS)

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