

TOTH, Karoly, dr.; ~~KERTAI, Mihaly, dr.~~; PONYI, Sandor, dr.

Results in prevention of dental caries in connection with research
in the last five years. Nepegeszsegugy 38 no.1-2:23-26 Jan-Feb 57.

1. Közlemeny a Szegedi Orvostudományi Egyetem Fog- és Szájbeteg
Klinikájáról (igazgató: Hattyasy, Dezso, dr. egyet. tanár az
orvostudományok doktora).

(DENTAL CARIES, prev. & control
in Hungary, progr. (Hun))

FOLDVARI, I.P.; CZEIZEL, E.; SIMON, G.; PALKOVITS, M.; KERTAI, P.

The influence of the subcommissural organ on the resorption of water and electrolytes from the small intestine. Acta physiol. acad. sci. hung. 22 no.1:43-50 '62. `

1. Pathophysiological Department of the State Institute of Public Health, Institute of Anatomy, and Institute of Pathophysiology, Medical University, Budapest.

(CEREBRAL VENTRICLES) (INTESTINE, SMALL) (WATER)
(ELECTROLYTES)

WEISZ, P.; GLAZ, H.; ~~XXXXXXXXXX~~ KERTAI, P.; VASENSZKY, S.; SCHUIZ, A.; SZENDI, J.

Reflex conditioning in decrease of adrenal vitamin C by adrenalin.
Orv. hetil. 93 no. 14:409-410 6 Apr 1952. (GIML 23:3)

1. Doctor for Weisz, Glaz, and Vasensky; Technical Assistant for
Schulz and Szendi. 2. Institute of Pathophysiology (Director --
Prof. Dr. Jozsef Sos), Budapest Medical University.

6

Effect of medication and diet on experimentally produced neurogenic hypertension in rats. M. Händel, P. Kertai, J. Sós, K. Weisz, and I. Balkányi (*Acta physiol. Acad. Sci. hung.*, 1953, 4, 315-322).—The normal blood pressure of 110 mm. Hg rises to above 150 mm. Hg in rats stimulated daily for 40 consecutive days by whistle sound, induction shocks, and strong light for 10 min. each. The neurogenic hypertension persists for 2 to 4 weeks after the cessation of the stimulation. Simultaneous administration of Tetracor (penta-methylentetrazol) increases hypertension, it prolongs the rise. Tetracor alone causes no hypertension. Rats on methionine- and tryptophane-free diets do not develop hypertension by these treatments, but hypertension develops when they are given a complete diet. Hypertension does not develop or is small if Sevalen is given to rats during the 40 days period of stimulation.

A. B. L. BEZNAK.

KEMENY, T.; KERTAI, P.; WEISZ, P.

The effect of aneurin on the pituitary-adrenal cortex system. Orv. hetil.
94 no.23:625-626 7 June 1953. (CML 25:1)

1. Doctors. 2. Institute of Pathophysiology (Director -- Prof. Dr.
Jozsef Sos), Budapest Medical University.

KERTAI, F.

Action of thiamine on the hypophyseal-adrenal system.
T. Kemény, P. Kertai, and P. Weisz (Univ. Budapest).
Acta Physiol. Acad. Sci. Hung. 5, 151-7(1954)(in German).
—In spinally transected rats thiamine (I) did not change the
adrenal ascorbic acid (II) but did prevent the decrease in II
which usually followed the subcutaneous administration of
adrenaline or histamine. In intact rats adrenaline-cosino-
penia was prevented by I. Adrenocorticotropin (III)-induced
lowering of II or cosinopenia were not influenced by I.
I appeared to block the liberation of III. S. 151a

KERTAI P., WEISZ P. and KEMENY T.

Pathophysiol. Inst., Med. Univ., Budapest. * Weitere Untersuchungen uber Zusammenhang zwischen Aneurin und dem Hypophysen - Nebennierenrindensystem. Further studies on relationships between vit. B₁ and the pituitary - adrenal cortex system ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (91)

SO: Excerpta Medica Section II, Vql. 7, No. 12

1. The following information was obtained from a review of the files of the [redacted] and [redacted] on [redacted].

DUBECZ, S.; KERTAI, P.; KOKAS, F.; LUDANY, Gy.

Effect of hypothermia on reflex self-regulation of the blood pressure. Acta med. hung. Suppl. 6 no.1:83-84 1954.

1. II Chirurgische Klinik, Pathophysiologisches Institut und
I. Chirurgische Klinik der Medizinischen Universität, Budapest.
(BLOOD PRESSURE, physiol.
eff. of hypothermia in dogs)
(BODY TEMPERATURE,
hypothermia, exper., eff. on blood pressure in dogs)

AUST 5 of blood plasma
Unit Bud d P. K. ...

KERTAI, Pal; LUDANY, Gyorgy

Activity of autonomic nervous system and ascorbic acid content of the blood. Kiserletes orvostud. 6 no.5:385-392 Sept 54.

1. Budapesti Orvostudományi Egyetem Korelettani Intézete.
(AUTONOMIC NERVOUS SYSTEM, physiol.
eff. of stimulation on vitamin C in blood in dogs)
(EPINEPHRINE, EFF.
on vitamin C in blood in dogs)
(ARTERENOL, eff.
on vitamin C in blood in dogs)
(VITAMIN C, in blood
eff. of arterenol, epinephrine & autonomic stimulation
in dogs)
(BLOOD
vitamin C, eff. of autonomic nerv. system stimulation in
dogs)

AEA 1111 174

DUBECK, Sandor; KERTAI, Pal; KOKAS, Ferenc, dr.; LUDANY Gyorgy, dr.

The effect of hypothermia on blood pressure reflex regulation.
Orv. hetil. 95 no.30:818 25 July 54.

1. A Budapesti Orvostudományi Egyetem I. sz. Sebészeti Klinikájának
(igazgató: Sebestény Gyula dr. egyetemi tanár), II. sz. Sebészeti
Klinikájának (igazgató: Hedri Endre dr. egyetemi tanár) és
Kísérleti Intézetének (igazgató: Szósz József dr. egyetemi tanár)
közleménye

(BODY TEMPERATURE

hypothermia, eff. on blood pressure reflex regulation)

(BLOOD PRESSURE, physiology

eff. of hypothermia, reflex regulation)

DUBECZ, A.; KERTAI, P.; KOKAS, F.; LUDANY, G.

Effect of hypothermia on reflex autoregulation of blood pressure.
Acta physiol.hung. 7 no.1-2:119-125 1955

1. Chirurgische Klinik, Institut für Pathophysiologie und II. Chirurgische Klinik der Medizinischen Universität, Budapest.

(BLOOD PRESSURE, physiology,

eff. of hypothermia on responses to stimulation of carotid sinus)

(BODY TEMPERATURE,

hypothermia, eff. on blood pressure after stimulation of carotid sinus)

(CAROTID SINUS, physiology,

eff. of stimulation on blood pressure in hypothermia)

SZABO, Geza,; KERTAI, Pal.; BALOGH, Iren,R.; KNEISZL, Ferenc.

Effect of the sympathetic nervous system on the thyroid gland.
Kiserletes orvostud. 7 no.2:127-130 Mar 55.

1. Orszagos Kozegeszsegugyi Intezet Tajegeszsegugyi (Golyvakutato)
Osztalya, Budapesti Orvostudomanyi Egyetem Korelettani Intezete,
Fovarosi Koranyi Korhaz Prosecturaja.

(THYROID GLAND, physiology,
regulation by sympathetic NS)

(SYMPATHETIC NERVOUS SYSTEM, physiology,
regulation of thyroid)

DUBECZ, Sandor,; KERTAI, Pal,; KOKAS, Ferenc,; LUDANY, Gyorgy,

Effect of hypothermia on reflex autoregulation of blood pressure. Kiserletes orvostud. 7 no.3:283-287 May 55,

1. Budapesti Orvostudományi Egyetem I. sz. Sebészeti Klinikája,
Korelettani Intézet és II. sz. Sebészeti Klinikája.

(BLOOD PRESSURE, physiology,
eff. of hypothermia)

(BODY TEMPERATURE,
hypothermia, eff. on blood pressure)

KERTAI, Pal.; GYOKOSSY, Jozsef.; LUDANY, Gyorgy.

Effect of cortisone and ACTH on intestinal absorption of glucose. Kiserletes orvostud 7 no.4:373-378 July 55.

1. Budapesti Orvostudományi Egyetem Korelettani Intezet.
(INTESTINES, physiology,
carbohydrate absorp., eff. of ACTH & cortisone)
(CARBOHYDRATES, metabolism,
intestinal absorp., eff. of ACTH & cortisone)
(ACTH, effects
on intestinal sugar absorp.)
(CORTISONE, effects,
on intestinal sugar absorp.)

HUNGARY/Human and Animal Physiology - Liver.

R-7

Abs Jour : Referat Zhur - Biol., No 16, 1957, 70805

Author : Kertai, Koniya, Gyokossy.

Title : The Role of Vegetative Nervous System in Protein Mobilization of the Liver.

Orig Pub : Kiserl. orvostud. 1955, 7, No 6, 579-586

Abstract : During anesthesia and operation, the quantity of proteins in blood serum does not fall considerably. In plexus hepaticus irritation and introduction of adrenalin into the blood flowing from the liver, a change was noted in the albumin and globulin proportions in the direction of albumin increase. Irritation of the "wandering nerve" does not show any influence on the protein composition in the blood serum.

Budapest Orvostudományi Egyetem Korelettani Intézete

Card 1/1

- 11 -

KERTAI, Pal.; ZALAI, Magda.

Effect of the gastrointestinal system on leukocyte count.
Orv. hetil. 96 no.13:348 27 Mar 55.

1. A Budapesti Orvostudományi Egyetem Korelettani Intézetének közleménye.

(LEUKOCYTE COUNT,
eff. of gastrointestinal system)
(GASTROINTESTINAL SYSTEM, physiology,
leukocyte count control)

KERTAI, P.

MD V 3899. Action of cortisone and adrenocorticotrophic hormone on intestinal absorption of glucose. J. Gyökösy, P. Kertai, and G. Ludány *Arch. int. pharmacodyn.* 1955, 101, 228-236 (Patho-physiological Inst., Medical Univ., Budapest).—Deoxycorticosterone (1 mg. for 5 days) does not restore the diminished glucose absorption in the adrenalectomized rat. Cortisone (1.5–2.5 mg. for 5 days) is only partly effective. Both hormones combined bring the absorption back to normal or even higher values. In normal animals, higher doses of cortisone reduce glucose absorption; small doses of ACTH do not affect it and larger doses increase its rate. Cortisone and DCA together provide the necessary phosphate activity and electrolyte milieu for normal glucose absorption. (German). V. D. FISEN.

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was absorbed more slowly. It is concluded that both normal ATP
and ATP (100 mg) and ...

KERTAI, P.

KERTAI, Pal, dr.

Iodine metabolism. Orv. hetil. 97 no.16:421-425 15 Apr 56.

1. A Budapesti Orvostudományi Egyetem Kóreltani Intézetének
(igazgató: Sos, József dr. egyetemi tanár) közleménye.

(IODINE, metab.

(Hun))

(THYROID GLAND, metab.

iodine (Hun))

1/1

Country : Hungary
 Category : Human and Animal Physiology, Circulation T
 Abs. Jour. : Ref Zhur Biol, No. 2, 1959, No. 8080
 Author : Kertal, ~~Pal~~ Dubez, S.; Kocsár, L.; Ludány, G.
 Institut. :
 Title : The Effect of Hyperthermy on Reflex Autoregulation of Blood Pressure.
 Orig. Pub. : Magyar tud. akad. biol. és orv. tud. oszt. közl., 1957, 8, No. 1-2, 150--153

Abstract : The depressor nerves were transected in 15 dogs under chloral hydrate anesthesia, and then the common carotid artery was compressed every 60 seconds; this procedure produced a rise in blood pressure to 80--120 mm Hg. Hyperthermy was produced by covering the animals with rubber cushions through which hot water circulated. During the induction of hyperthermy to body temperatures up to 41° and during the subsequent period of cooling, full reflex autoregulation of blood pressure was observed. At temperatures of 41 to 42° autoregulation remained adequate during hyperthermy, but was disrupted to a significant degree during the cooling period. At body

Card:

1/2

Budapest, Orvostudományi Egyetem Korektív Intézete.

KERTAI, P.

SOS, J.; CSALAY, L.; GATI, T.; KEMENY, T.; ~~KERTAI, P.~~; NAGY, E.; PERENY, L.; SZABO, G., Technikai Asszisztensek: SCHUELL, M.; JOHA, M.

Antityrosine compounds, Kiserletes orvostud 9 no.5-6:570-574 Oct-Dec 58.

1. Budapesti Orvostudományi Egyetem Korelettani Intezete es Orszagos Kozegeszsegugy Intezet.

(TYROSINE, antag.

eff. on *Lactobacillus casei* & rat organs (Hun))

(LACTOBACILLUS, eff. of drugs on

tyrosine antag. on *Lactobacillus casei* (Hun))

KERTAI-PAL, Sandor; NAGY, Janos; SOS, Jozsef

Effect of tyrosine antimetabolites on iodine-131 binding of the thyroid.
Kiserletes orvostud 9 no.5-6:575-580 Oct-Dec 58.

1. Korelettani Intezet es Orvosi-Fizikai Intezet Budapest.
(TYROSINE, antag.
eff. on iodine uptake in rat thyroids (Hun))
(THYROID GLAND, eff. of drugs on
tyrosine antag. on iodine uptake in rats (Hun))
(IODINE, metab.
thyroid, eff. of tyrosine antag. on uptake in rats (Hun))

KERTAI, Pal

Data on the mechanism of experimental leukopenias and leukocytoses.
Kiserletes orvostud. 10 no.1:15-25 Feb 58.

1. Korelettani Intezet, Budapest.

(LEUKOCYTOSIS, exper.

induction by colloidal suspensions & pathomechanism in
rabbits (Hun))

(LEUKOCYTIS

leukopenia, induction by colloidal suspensions & patho-
mechanism in rabbits (Hun))

(COLLOIDS

colloid suspensions in induction of leukocytosis & leuko-
penia in rabbits (Hun))

SOS, J.; KERTAI, P.; NAGY, J.; CSUZI, S.

Effect of tyrosine antimetabolites on the radiiodine uptake of the thyroid gland. Acta physiol. hung. 14 no.1:57-59 1958.

1. Institute of Pathophysiology and Institute of Medical Physics, Medical University, Budapest.

(TYROSINE, antag.

antimetabolites, eff. on thyroidal iodine uptake in rats)

(THYROID GLAND, eff. of drugs on

tyrosine antimetabolites on iodine uptake in rats)

(IODINE, metab.

thyroid, eff. of tyrosine antimetabolites on uptake in rats)

SOS, J.; KERTAI, P., With the technical assistance of Miss M. Jona

Effect of dichlorophenoxyacetic acid upon the I^{131} -uptake of the thyroid.
Acta physiol. hung. 14 no.4:367-369 1958.

1. Institute of Pathophysiology, Medical University, Budapest and National Institute for Public Health, Budapest.

(HERBICIDES, eff.

2,4-D on thyroidal radioiodine uptake in rats)

(PHENYLACETIC ACID, related cpds,

2,4-D eff. on thyroidal radioiodine uptake in rats)

(CHLORIDES, eff.

2,4-D on thyroidal radioiodine uptake in rats)

(THYROID GLAND, eff. of drugs on

2,4-D on radioiodine uptake in rats)

(IODINE, metab.

thyroidal uptake of radioiodine, eff. of 2,4-D in rats)

MAGYAR, Imre, Dr.; MARTON, Istvan, Dr.; MATHE, Zoltan, Dr.; REFI, Zoltan, Dr.;
KERTAI, Pal, Dr.

Mechanism of action of oral antidiabetics. Orv. hetil. 99 no.26:885-
889 29 June 58.

1. A Budapesti Orvostudományi Egyetem I. sz. Belklinikájának (igazgató:
Rusznayk Istvan dr. egyet. tanár) közleménye.

(ANTIDIABETICS

carbutamide & tolbutamide, mechanism of action (Hun))

SZABO, Gyorgy, Dr.; MAGYAR, Zsuzsa; KERTAI, Pal, Dr.; ZADORY, Erno, Dr.

Effect of total body x-irradiation on capillary permeability. Orv.
hetil. 99 no.45:1566-1568 9 Nov 58.

1. A MTA. Kiserletes Orvostudomanyi Kutato Intezet Korellettani Osz-
talyanak es a Budapesti Orvostudomanyi Egyetem I. sz. Belklinikajanak
(Igazgato: Rusznyak Istvan dr. egyet tanar) kozlemenye.

(CAPILLARY PERMEABILITY, eff. of radiations on
x-ray total body irradiation in dogs (Hun))

(ROENTGEN RAYS, eff.
on capillary permeability, total body irradiation in
dogs (Hun))

R. BALOGH IREN; KERTAI, PAL

Studies on the content of catalase and lactic acid in rabbit plasma
in experimental leukopenia. Kiserletes Orvostudomány 11 no.4:408-411
August 1959.

1. Orszagos Kozegissegugyi Intezet, Budapest.
(LEUKOPENIA, exper.)
(LACTATES, blood)
(CATAIASE, blood)

FOLDES, Janos; KERTAI, Pal; REMENAR, Laszlone

Studies on influencing the thyroid hormone eliminating ability of the organism. *Magy. belorv. arch.* 12 no.1:8-10 Feb 59.

1. A budapesti Orvostudományi egyetem I. Sz. Belklinikájának (igazgató: Dr. Ruzsnyak Istvan akadémikus) és az Országos Kozegészségtani Intézet (igazgató: Dr. Bakács Tibor) közleménye.

(THYROXIN, in blood

acceleration of elimination from circ. by 2,4-dinitrophenol in rats (Hun))

(NITROPHENOLS, eff.

2,4-dinitrophenol acceleration of thyroxin elimination from blood circ. in rats (Hun))

FOLDES, J.; NAGY, J.; KERTAI, P.; TAKACS, E.

Effect of Chlorpromazine on thyroid activity. Acta med. hun. 14
no.4:371-378 '59.

1. 1st Department of Medicine, University Medical School, Budapest;
Institute of Medical Physics, Budapest and State Institute of
Hygiene, Budapest.

(CHLORPROMAZINE pharmacol.)

(THYROID GLAND pharmacol.)

FOLDES, Janos; NAGY, Janos; KERTAI, Pal; REMENAR, Iasslone

Effect of reserpine on the function of the thyroid gland. *Magy. belorv. arch.* 12 no.1:10-13 Feb 59.

1. A Budapesti Orvostudományi Egyetem I. sz. Belklinikájának. (igazgató: Dr. Ruzsnyak Istvan egyetemi tanár), Orvofizikai Intézetének (igazgató: Dr. Tarjan Imre egyetemi tanár) és az Országos Közegészségügyi Intézet (igazgató: Dr. Bakacs Tibor közleménye.

(RESERPINE, eff.

retardation of thyroidal hormone secretion in rats (Hun))

(THYROID GLAND, eff. of drugs on

reserpine retardation of hormone secretion in rats (Hun))

REMEMARNE BALOGH, Iren; KERTAI, Pal

A sensitive reagent for paper chromatography of iodine compounds.
Kiserletes Orvostud. 11 no.5:532-533 0 '59.

1. Orszagos Kozegeszsegugyi Intezet, Budapest.
(IODINE chem)

FOLDES, Janos, dr.; NAGY, Janos, dr. KERTAI, Pal, dr.

Effect of chlorpromazine on thyroid function. Orv. hetil. 101
no.12:403-406 20 Mr '60.

1. A Budapesti Orvostudományi Egyetem I. sz. Belklinikája,
Orvosfizikai Intézet és az Országos Közegészségügyi Intézet.
(CHLORPROMAZINE pharmacol.)
(THYROID GLAND pharmacol.)

HEMENARNE, Balogh Iren; SZUCHOVSKY, Ilona; KERTAI, Pal

A simple radio-paper chromatographic method for the analysis of iodine content in the thyroid gland in rats. Kiserletes Orvostud. 12 no.6:655-657 D '60.

1. Orszagos Kozegeszsegugyi Intezet Korelettani Osztalya, Budapest.
(THYROID GLAND physiol)
(IODINE radioactive)

KERTAI, P.; SOS, J.; with the technical assistance of JONA, M.

Methionine-35S uptake of rats fed on a methionine-deficient diet.
Acta physiol.hung. 18 no.3:217-220 '60.

1. Institute of Pathophysiology, Medical University, Budapest.
(METHIONINE metab)
(LIVER metab)
(BRAIN metab)

KERTAI, P.; unter technischer Assistenz von SZUCHEWSZKY, I.; DRINOCZY, A.

A study of the effect of the nervous system in colloid leukopenia and leukocytosis. Acta med.hung. 17 no.1:77-83 '61.

1. Staatliches Institut für Hygiene, Budapest.
(LEUKOCYTOSIS physiol.) (LEUKOPENIA physiol.)
(NERVOUS SYSTEM physiol.)

KERTAI, P.; FORIS, G.; VUKAN-SAJGO, K.; unter technischer Mitarbeit von:
PALLA-SZUCHOVSKY, I.; DRINOCZY, L.

Studies on experimental leukopenia and leukocytosis in parabiotic rabbits. Acta physiol. acad. sci. hung. 20 no.4:405-410 '61.

1. Pathophysiologische abteilung des staatlichen hygienischen instituts, Budapest.

(LEUKOPENIA exper) (LEUKOCYTOSIS exper)
(PARABIOSIS)

KERTAI, Pal, dr.

Hygienic and physiopathological aspects of leukemia research.
Orv.hetil. 102 no.2:49-56 8 Ja'61.

1. Orszagos Korogasszsguyi Intezet.
(LEUKEMIA)

KERTAI, Pal, dr.

Physiology and pathophysiology of the intestine. Orv. hetil. 102
no.44:2065-2072 29 0 '61.

1. Orszagos Kozegeszsegugyi Intezet, Budapest.

(INTESTINES)

SAJGONE VUKAN, Klara; KERTAI, Pal

Experimental modification of the ascorbic acid content of the lymphatic organs. Kiserletes orvostud. 13 no.2:181-184, My '61.

1. Orszagos Kozegeszsegugyi Intezet, Budapest.
(VITAMIN C chem.) (LYMPHATIC SYSTEM chem.)

REMENARNE BALOGH, Iren, dr.; KERTAI, Pal, dr.

A simple method for the analysis of circulating thyroid hormones containing I-131. Orv. hetil. 102 no.45:2141-2142 5 N '61.

1. Orszagos Kozegeszsegugyi Intezet, Korelettani Osztaly.

(THYROID GLAND hormones) (IODINE radioactive)

43058

H/021/62/000/002/001/001
I067/I267

27.1220

AUTHORS: Czeizel Endre, Vaczó György, Kertai Pál (Doctors)

TITLE: The effect of bone marrow on the regeneration of the liver in normal and X-ray treated rats

PERIODICAL: Magyar Radiologia, no.2, 1962, 113-117

TEXT: The regeneration of the liver in rats is increased by extract of bone marrow. On the other hand, irradiated suspension of bone marrow has a strong inhibitory effect upon liver regeneration. Radiation therapy of the whole body reduces the regeneration of the liver, even when the liver region is protected by lead plate. The inhibitory effect is mitigated, if not prevented, by the administration of bone marrow suspension. Bone marrow irradiated in vitro had no effect. There are 2 tables.

ASSOCIATION: National Health Institute and Dept. of Röntgen, Istvan Hospital, Budapest

X

Card 1/1

BRAUN, Pal, dr.; GEDEON, Andras, dr.; REMENARNE BALOUGH, Iren, dr;
KERTAI, Pal, dr.

Effect of organic iodine on protein-bound and butanol-extractable
iodine concentrations in the blood serum. Orv. hetil. 103 no.6:
264-265 11F '62.

1. Budapest XIII, Tanacs Robert Karoly koruti Korhaz, II. Belosztaly
es Orszagos Kozegeszsegugyi Intezet.
(IODINE blood) (BLOOD PROTEINS chem)

N. Sulyok, Sara; Kertai, Pal; technikai munkatársak: Palla, Sandrone;
Drinoczy, Alajos

Studies on the effect of the nervous system in colloidal leukopenia
and leukocytosis. Kiserl. orvostud. 14 no.3:287-292 Je '62.

1. Crszagos Kozegeszsegugyi Intezet, Budapest.
(NERVOUS SYSTEM physiol) (LEUKOPENIA)
(LEUKOCYTOSIS)

H/021/62/000/005/001/002
E063/E435

211200
AUTHORS: Czeizel Endre, Doctor, Vaczó György, Doctor,
Kertai, Pál, Doctor

TITLE: The effect of bone marrow irradiated in vivo and in
vitro on the liver regeneration of rats

PERIODICAL: Magyar radiologia, no.5, 1962, 293-297

TEXT: Partially hepatectomized rats were exposed to whole-body irradiation of 100 to 1000 r. A suspension of in vivo irradiated bone marrow was prepared from the femurs and tibias of some of the exposed rats. A suspension was also prepared from bone marrow taken from unexposed animals and irradiated in a test tube. These suspensions were injected into the bones of healthy animals and their effects studied. A considerable decrease was observed in the liver regeneration in rats exposed to whole-body irradiation, although their liver region was protected by sheet lead; this is attributed to bone marrow irradiation. Irradiation of bone marrow or injection into the bones of healthy animals of a suspension of in vivo irradiated bone marrow inhibits the liver regeneration in proportion with the
Card 1/2

The effect of bone marrow ...

H/021/62/000/005/001/002
E063/E435

dose of exposure. Injection of in vitro irradiated bone marrow suspension stimulated regeneration provided that the doses did not exceed 400 r but had an inhibitory effect if the dose was above 400 r. The possible use of irradiated bone marrow for inhibiting the mitotic process in embryonal or tumour cells will be the subject of further study. There are 1 figure and 3 tables.

ASSOCIATION: Országos Közegészségügyi Intézet, Kórélettan Osztály
és Fővárosi István Kórház, Röntgen Osztály
(Department of Pathological Physiology, National
Institute of Public Health and Department of
Radiology St. Stephen Metropolitan Hospital)

Card 2/2

H/021/62/000/005/002/002
E063/E435

271110
AUTHORS:

Czeizel Endre, Doctor, Vaczó György, Doctor,
Bolla Kálmán, Doctor, Kertai Pál, Doctor

TITLE:

The effect of spleen cell suspension and splenectomy on
the liver regeneration in whole-body irradiated rats

PERIODICAL. Magyar radiologia, no.5, 1962, 298-303

TEXT: Partially hepatectomized rats were exposed to irradiation (500 r) and afterwards intraperitoneally injected with a normal spleen cell suspension or with one taken from in vitro irradiated (500 to 1000 r) spleen cells. This was done to determine whether such a treatment prevents a decrease in the liver regeneration usually observed after irradiation. Results: Injected normal spleen cell suspension not only lowered the general mortality rate but also prevented an inhibition of the liver regeneration after irradiation. Splenectomy before irradiation had a certain protective effect. The irradiated spleen cell suspension did not produce such a protective effect. Injected spleen cell suspension did not stimulate the liver regeneration in rats, although such stimulation was observed in mice. This divergence
Card 1/2

SAJGONE VUKAN, Klara; KERTAI, Pal

Study of carbohydrate metabolism in experimental erythroblastosis.
Kiserl. orvostud. 14 no.4:380-383 S '62.

1. Orszagos Koszegeszsegugyi Intezet, Budapest.
(LEUKEMIA, EXPERIMENTAL) (BONE MARROW DISEASES)
(CARBOHYDRATE METABOLISM)

TUZSON, Palne, dr.; KERTAI, Pal, dr.; Technikai munkatars: NAGY,Erzsebet

The capacity of different organs to transform corticoids in
experimental viral leukemia. Magy. onkol. 7 no.2:114-121 Je '63.

1. Orszagos Kozegeszsegugyi Intezet. Elettani es Korelettani
Osztaly.

(LEUKEMIA, EXPERIMENTAL) (HYDROCORTISONE) (CORTISONE)
(SPLEEN) (PHENYL BUTAZONE) (AVIAN LEUKOSIS VIRUS)

HUNGARY

REMEZSARNS (Mrs), BALOGH, Iren, Dr, KERTAI, Pal, Dr; State Public Health Institute, Department of Pathophysiology (Orszagos Kozegeszsegugyi Intezet, Korleltani Osztaly).

"The Use of Radioactive Iodine for the Analysis of Thyroid Hormones in the Blood."

Budapest, Orvosi Hetilap, Vol 104, No 4, 27 Jan 63, pages 154-156.

Abstract: [Authors' Hungarian summary] The authors confirmed experimentally the discrepancy of the composition of the I-127 and I-131 containing amino acids in the blood and demonstrated that the discrepancy varies with time. The variation is explained by the fact that the different iodine containing amino acids appear in the blood at different time and the length of their presence in the circulation differs as well. The authors conclude that there is no given time at which the I-131 fraction present in the serum would correspond to the actual ratio of the iodine containing components. Therefore determinations of the serum I-131 fractions are only suitable for comparative tests. 18 Western, 2 Hungarian references.

1/1

CZEIZEL, Endre, dr.; VACZO, Gyorgy, dr.; KERTAI, Pal, dr.; Technikai munkatars: DRINOCZY, Alajos

On the problem of radiotoxins. Magy. radiol. 15 no.6:356-360
N '63.

1. Orszagos Kozegeszsegugyi Intezet, Koreslettani Osztaly es
Fovarosi Istvan Korhaz, Rontgen Osztaly kozlemenye.

(RADIATION INJURY, EXPERIMENTAL)
(LIVER FUNCTION) (ERYTHROCYTES)
(LEUKOCYTES) (BLOOD) (MUSCLE)

BALOGH, Irene R.; KERTAI, P.

Dynamic examination of iodinated amino acids in the serum. Acta
med. acad. sci. hung. 19 no.2:155-160 '63.

1. Pathophysiologische Abteilung des Landesinstituts für
Gesundheitswesen, Budapest.

(TYROSINE)	(THYROXIN)	(DIIODOTYROSINE)
(IODINE ISOTOPES, DIAGNOSTIC)	(BLOOD CHEMICAL ANALYSIS)	
(POTASSIUM)	(CHROMATOGRAPHY)	(TRIIODOTHYRONINE)

R.BALOGH, Iren, dr.; BRAUN, Pal, dr.; GEDEON, Andras, dr.; KERTAI, Pal, dr.

Examination of the absorption of Enteroseptol in experimental
animals. Orv. hetil. 105 no.6:252-253 9 F'64

1. Orszagos Kozegeszsegugyi Intezet, Korelettani Osztaly es
XIII. ker. Tanacs VB Robert Karoly koruti korhaz, II.Belosztaly.

*

SAJGO, Mihalyne; KERTAI, Pal, dr.; Technikai munkatars: KOVACS, Piroska

Comparative biochemical study on healthy chickens and chickens
infected with erythroblastosis virus. Magy onl. 8 no.1: 24-28
Mr'64.

1. Orszagos Kozegeszsegugyi Intezet.

*

PALNE, Tuzson, dr.; KRASZNAI, Ivan, dr.; KERTAI, Pal, dr.; Technikai
asszisztens: NAGY, Erzsebet

Serum cholesterol level and age. Orv. hetil. 106 no.48:2263-2265
28 N '65.

1. Orszagos Kozegeszsegugyi Intezet, Elettani es Korelettani Osztaly
es Robert Karoly koruti Korhaz, I. Belosztaly.

HUNGARY

KERESZTES, Miklos, KERTAI, Pal, technical assistant: STARK, Klara; OKI, Department of Physiology and Pathophysiology ([Orszagos Kozegeszsegugyi Intezet -- National Public Health Institute], Elettani es Korelettani Osztaly).

"Role of the Pituitary and Adrenals in the Changes in Leukocyte Count Caused by Endotoxin."

Budapest, Kiserletes Orvostudomany, Vol XVIII, No 4, Aug 66, pages 347-352.

Abstract: [Authors' Hungarian summary] Small doses of Salmonella typhi endotoxin do not cause early granulocytosis in hypophysectomized and adrenalectomized rabbits. It can be demonstrated by the administration of ACTH and adrenalin that early granulocytosis can be explained by the activation of the adrenalin-pituitary-adrenocortical system. On the other hand, the late granulocytosis which can be evoked by larger doses is caused by humoral factors the production of which proceeds without the pituitary and the adrenals. 2 Hungarian, 25 Western references. [Manuscript received 6 Jul 65.]

1/1

preparations. Klara Stark and Edit Katona gave technical assistance. Orig. art. has: 7 figures. [JPRS: 34,161]
SUB CODE: 06 / SUBM DATE: 08Feb65 / ORIG REF: 008 / OTH REF: 067
Card 1/1 *mzp*

L 05730-67

SOURCE CODE: HU/0018/65/017/006/0611/0614

ACC NR: AP6028492

AUTHOR: Weimann, Jusztina--Veimann, Yu. L.; Kertai, Pal

ORG: Department of Biological Drug Control, National Public Health Institute
(Orszagos Kozegeszsegugyi Intezet, Biologiai Gyogyszerellenorzo Osztaly)

TITLE: Period of survival and carotid sinus reflex of normal and pyrogen-tolerant rabbits in pyrogenic shock

SOURCE: Kiserletes orvostudomany, v. 17, no. 6, 1965, 611-614

TOPIC TAGS: rabbit, drug effect, reflex activity, toxin

ABSTRACT: The initial administration of S. typhi endotoxin regularly for a week prolongs the life of the animals suffering from pyrogenic shock and the elicibility of the carotid sinus reflex in its original intensity. The authors thank Doctor Ujhelyi Karoly, OKI, for providing the preparations, Zsuzsa Szathmary provided technical assistance. Orig. art. has: 2 figures and 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: 08Feb65 / ORIG REF: 004 / OTH REF: 026

Card 1/1

KERTAY, E.

The Kvassay Hydroelectric-Power Plant. p. 259.

MELYEPITESTUDOMANYI SZEMLE. (Kozlekedes- es Kozlekedesepitestudomanyi Egyesulet) Budapest, Hungary, Vol. 9, no. 6, June 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

DOBO, Laszlo, dr.; KERTAY, Gyorgy, dr.; TARJAN, Robert; SZEPEŠVARY, Ivan

Possibilities for developing the gas economy in Hungary. Energia es atom 13 no.3:94-100 Mr '60.

1. "Energia es Atomtechnika" szerkeszto bizottsagi tagja (for Dobo).

KERTAY, N.

Studies on Mycobacterium avium. Tuberk. kerdesei
5 no.2:19-21 June 1953.

(CML 25:5)

1. Doctor. 2. Laboratory (Technical Head -- Prof
Dr. Janos Koves), Phylaxia State Vaccine Production
Institute.

EXCERPTA MEDICA Sec.15 Vol.10/2 Chest Diseases Feb 57

538. KERTAY N. Közl. az Országos Korányi Tbc. Intéz. Mikrobiol. Osztái.
*A Bovin tuberkulózis jelentőségéről és hazai elterjedéséről. The signi-
ficance and spread of bovine tuberculosis in Hungary
NÉPEGÉSZSÉGÜGY 1956, 37/2 (44-47) Tables 4

Bovine tb bacilli may cause the same manifestations of tb as the human type. No difference either exists in the severity of the symptoms caused by both types. In Hungary 6.9 % of cases are of bovine origin (4.4% of pulmonary cases, 36% of other localizations). Rural people are also exposed to pulmonary infection with the bovine type. Cattle are infected in roughly 20% (in some villages up to 40.6%). Eradication of bovine tb by means of organizational and economic measures should be undertaken.

Bais - The Hague (XVII, 15)

KERTAY, Nandor, dr.; FODOR, Tamas, dr.

Experiments on bacterial derivatives of Mycobacterium tuberculosis. Tuberkulozis 10 no.1-2:10 Jan-Feb 57.

1. Az Országos Korányi Tbc. Intézet (tudományos vezető: Sebök, Loránd, dr.) Mikrobiológiai osztályának (vezető: Kertay, Nandor, dr. az állatorv. tud. kandidátusa) közleménye.

(MYCOBACTERIUM

bact.-free extracts inducing skin necrosis in guinea pigs (Hun))

(SKIN, gangrene

induced by bact.-free extracts of various Mycobacterium strains in guinea pigs (Hun))

KERTAY, N.

The applicability of the Middlebrook hemolysis reaction in the detection of human and animal tuberculosis. Acta microb. hung. 5 no.2:165-173 1958.

1. Mikrobiologische Abteilung des Koranyi Landes-Institut fur Tuberkulose, Budapest.

(TUBERCULOSIS, diagnosis

Middlebrook hemolysis reaction, applicability in man & animals (Ger))

SZABO, I.; KERTAY, N.

Recent observations on the distribution of extrapulmonary human tuberculosis caused by bovine type in Hungary. Acta microb.hung. 6 no.2:157-159 '59.

1. Diagnostisches Laboratorium und Mikrobiologische Abteilung
des Staatlichen Koranyi-Tuberkuloserinstitutes, Budapest.
(TUBERCULOSIS BOVINE epidemiol)

KERTAY, Nandor; FERENCZI, Gyorgy; HAJNAL, Tibor; FODOR, Tamás

Resistance studies with the tuberculosis bacteria of new patients in Budapest. Tuberkulozis 12 no.2:40-43 Feb 59.

1. Az Országos Koranyi Tbc. Intezet (Igazgató-főorvos: Boszormenyi Miklós dr. Kandidátus, tuncmányos vezető: Foldes István dr. kandidátus) mikrobiológiai osztályának (osztályvezető: Kertay Nandor dr. kandidátus) és a Budapesti Tbc. Gondozóintézetek (igazgató: Szakkay Antal dr.) munkaközösségének közleménye.

(MYCOBACTERIUM TUBERCULOSIS, eff. of drugs on antituberculous drugs, isolation of resistant strains from new patients (Hun))

KERTAY, Nandor; MEDVECZKY, Endre

A simple technic for the production of purified tuberculin.
Tuberkulozis 12 no.10:222-224 0 '59.

1. Az Országos Koranyi Tbc. Intézet (igazgató: Bossormenyi Miklós dr. kandidatus, tudományos vezető: Foldes István dr. kandidatus) Mikrobiológiai és Biokémiai osztálynak (vezetők: Kertay Nandor dr. kandidatus és Erdős Tamás dr. kandidatus) közleménye.

(TUBERCULIN chem)

SZABO, Istvan, dr.; KERTAY, Nandor, dr.

New contributions to the importance of the bovine type in extra-pulmonary tuberculosis of man. Tuberculosis 13 no.7:198-199 J1 '60.

1. Az Orszagos Koranyi Tbc Intezet (Igazgato: Boszormenyi Miklos dr. kandidatus; tudomanyos vezeto: Foldes Istvan dr. kandidatus) Diagnosztikai Laboratoriumanak (Vezeto: Szabo Istvan dr. kandidatus) es Mikrobiologiai osztalyanak (Vezeto: Kertay Nandor dr.kandidatus) kozlemenye.

(TUBERCULOSIS microbiol.)

KERTAY, Nandor, dr.; DOLOZSEK, Gyula, dr.; MAKADI, Margit, dr.

Epidemiological and clinical importance of bovine tuberculosis in children. Tuberculosis 13 no.12:362-365 D '60.

1. Az Országos Korányi TBC Intézet (igazgató-főorvos: Bossorményi Miklós dr. kandidátus, tudományos igazgató: Földes István dr. kandidátus) Mikrobiológiai osztályának és a Szabadsághegyi Állami Gyermek-szsanatorium (igazgató főorvos: Szederkenyi János dr., tudományos igazgató: Gergényi Göttsche Oskár dr., az orvostudományok doktora) közleménye.

(TUBERCULOSIS BOVINE in inf & child)

KERTAY, Nandor, dr.; FODOR, Tamas, dr.

Intracutaneously administered dextran in experimental tuberculosis in guinea pigs. Tuberkulozis 14 no.4:119-121 Ap '61.

1. Az Orszagos Koranyi Tbc Intezet (Igazgato: Boszormenyi Miklos dr. kandidatus: tudomanyos vezeto: Foldes Istvan dr. kandidatus) Mikrobiologiai osztalyanak (Vezeto: Kertay Nandor dr. kandidatus) kozlemenye.

(TUBERCULOSIS exper) (DEXTRAN pharmacol)

FODOR, Tamas, dr.; KERTAY, Nandor, dr.

Effect of dextran on experimental tuberculosis in guinea pigs. Tuberkulozis 14 no.6:171-172 Je '61.

1. Az Orszagos Koranyi Tbc Intezet (igazgato: Boszormenyi Miklos dr. kandidatus, tudomanyos vezeto: Foldes Istvan dr. kandidatus) Mikrobiologiai osztalyanak (vezeto: Kertay Nandor dr. kandidatus) kozlemenye.

(TUBERCULOSIS exper) (DEXTRAN pharmacol)

KERTAY, Nandor, dr.; VEN, Ferenc, dr.; HORVATH, Jozsef, dr.

Isolation of Mycobacterium tuberculosis bovin in human tuberculosis in the Kiskoros Region, Nepegezsseguy 42 no.2:41-43 F '61.

1. Közlemeny az Országos Koranyi Tbc. Intezet (igazgato-foorvos: Bosszormenyi Miklos dr. kandidatus, tudomanyos vezeto: Foldes Istvan dr. kandidatus) mikrobiologiai osztalyarol (vezeto: Kertay Nandor dr. kandidatus), a kiskorosi jarasi tbc. gondozo intezetbol (vezeto: Ven Ferenc dr. foorvos) es a jarasi allarovosi invatalbol (vezeto: Horvath Jozsef dr. foallatorvos).
(MYCOBACTERIUM BOVIS)

~~KERTAY, Nandor, dr.~~; JOOS, Marta, dr.

Demonstration and typing of *Mycobacterium tuberculosis* in surgical specimens of extrapulmonary tuberculosis. *Tuberkulosis* 15 no.1:29-32
Ja '62.

1. Az Országos Korányi Tbc Intézet (igazgató: Boszormenyi Miklós dr. kandidátus, tudományos vezető: Foldes István dr. kandidátus) Mikrobiológiai osztályának (vezető: Kertay Nandor dr. kandidátus) és az Allami Fodor József Tbc Gyógyintézet (igazgató: Sebok Lorand dr. kandidátus) II sebeszeti osztályának (vezető: Borsay János dr.) közleménye.

(MYCOBACTERIUM TUBERCULOSIS) (TUBERCULOSIS surg)

FODOR, Tamas, dr.; KERTAY, Nandor, dr.; Technikai munkatars: PAZSITKA, Jozsef

Effect of dextran on experimental tuberculosis in rabbits. Tuberkulozis
15 no.3:67-69 Mr '62.

1. Az Orszagos Karanyi Tbc Intezet (igazgato: Boszormenyi Miklos dr.
kandidatus; tudomanyos vezeto: Foldes Istvan dr. kandidatus) Mikrobiolo-
giai osztalyanak (vezeto: Kertay Nandor dr. kandidatus) kozlemenye.

(TUBERCULOSIS exper) (DEXTRAN pharmacol)

KERTAY, Nandor, dr.; MARTON, Sandor, dr.; Technikai munkatarsak: PAZSITKA,
Jozsef; VITALYOS, Tibor

Comparative bacteriological examination of bronchial secretions for
tubercle bacilli with the aid of Marton's apparatus. Orv. hetil. 103
no.12:553-555 25 Mr '62.

1. Orszagos Koranyi TBC, Intezet.

(TUBERCULOSIS PULMONARY diag)
(SPUTUM microbiol)

KERTAY, Nandor, dr.; TARNOK, Ivan, dr.; FODOR, ~~Tamas~~, dr.

The effect of desoxyribonucleic acid on tuberculosis in guinea pigs following percutaneous infection. Tuberkulózis 16 no.1:23-25 Ja '63.

1. Az Országos Koranyi Tbc Intezet (igazgató: Boszormenyi Miklos dr. kandidatus; tudományos vezető: Foldes Istvan dr. kandidatus) Mikrobiológiai osztályának (vezető: Kertay Nandor dr. kandidatus) és Diagnosztikai Laboratóriumának (vezető: Szabo Istvan dr. kandidatus) közleménye.

(DNA)

(TUBERCULOSIS, PULMONARY)

KERTAY, N.

On the new regulations concerning the control of bovine tuberculosis. Tuberkulozis 16 no.4/5:155-156 Ap-My '63.

(TUBERCULOSIS, BOVINE)
(LEGISLATION, VETERINARY)

JEKELFALUSSY, Gabor, dr., a muszaki tudományok kandidátusa; KERTAY, Zoltan

The manufacture of 3000 LE locomotives with silicon rectifiers has started in Hungary. Vasut 14 no.6:6-7 Ja '64.

KERTAY, Zoltan

Service experiences with the Ward-Leonard electric locomotives.
Jarmu mezo gep 8 no.11:408-413 N '61.

1. Klement Gottwald Villamessagi Gyar mernoke.

KERTES, I.; NEMETH, T.; NYARADY, I.

Statistical evaluation of early results in antibiotic treatment of tuberculosis. Orv. hetil. 93 no. 13:391-394 30 Mar 1952. (GLML 23:3)

1. Doctor. 2. Koranyi State Tuberculosis Sanatorium (Director - Head Physician -- Dr. Pal Dessauer).

KERTES, I.; CZANIK, P.; RADIGS, J.

Clinical experiences with streptomycin resistant patients. Orv. hetil.
93 no. 24:701-703 15 June 1952. (CJML 23:3)

1. Doctors. 2. National Public Hygiene Institute (Director General
-- Academician Dr. Andras Havas) and Koranyi State Tuberculosis
Sanatorium (Director - Head Physician -- Dr. Pal Dessauer).

UNGAR, Imre, Dr.; KERTES, Istvan, Dr.; WITTEK, Laszlo, Dr.

Simultaneous bilateral lung resection. Orv. hetil. 99 no.45:1576-1580
8 Nov 58.

1. Az Országos Koranyi Tbc. Intezet (igazgato: Boszormenyi Miklos dr.
Tud. vezető: Foldes Istvan dr.) közleménye.

(PNEUMONECTOMY

simultaneous bilateral, indic. & technic (Hun))

KERTES, Istvan, dr.

Bronchoplasty (A review). Tuberkulózis 13 no.10:310-312 0 '60.

1. Az Országos Korányi Tbc Intézet (igazgató: Boszormenyi Miklós
dr. candidatus, tudományos vezető: Foldes István dr. candidatus)
Bronchologiai Osztálynak (főorvos: Kertes István dr.) közleménye.
(BRONCHI surg)

KERTES, Istvan, dr.

A new method for the demonstration of bronchial fistulae. Tuberkulozis
14 no.6:173-175 Je '61.

1. Az Orszagos Koranyi Tbc Intezet (igazgato-foorvos: Boszormenyi Miklos
dr. kandidatus, tudomanyos vezeto: Foldes Istvan dr. kandidatus)
kozlemenye.

(BRONCHIAL FISTULA radiog)

KERTES, Istvan, dr.; KULKA, Frigyes, dr.

Osteoplastic tracheopathy with a cystic lobe. Tuberkulozis 14.no.9:
276-278 S '61.

1. Az Országos Korányi Tbc Intézet (igazgató: Boszormenyi Miklós dr.
kandidátus, tudományos igazgató: Foldes István dr. kandidátus)
Bronchológiai Osztályának és a Szegedi I sz. Sebészeti Klinika (igazgató:
Prof. Petri Gábor dr. kandidátus) Mellkasszészeti Osztályának közleménye.

(TRACHEA dis)

BOTOS, Arpad, dr.; KERTES, Istvan, dr.; KULKA, Frigyes, dr.

Pulmonary aplasia and hypoplasia detected with the aid of angiopneumography. *Magy sebesz.* 14 no.5:278-285 0 '61.

1. A Szegedi Orvostudományi Egyetem I sz. Sebészeti Klinikájának (Igazgató: Petri Gabor dr., egyetemi tanár) és az Országos Korányi TBC. Intézet (Igazgató: Boszormányi Miklós dr., az orvostudományok kandidátusa, tudományos igazgató: Foldes István dr. az orvostudományok kandidátusa) közleménye.

(LUNG abnorm) (ANGIOGRAPHY)

KERTES, Istvan, dr.

Dyskinesia of the bronchial in bronchoscopy. Tuberkulozis 16 no.2:
33-37 F '63.

1. Orszagos Koranyi Tbc Intezet (Igazgato: Boszormenyi Miklos dr.
kandidatus. Tudomanyos igazgato: Foldes Istvan dr. kandidatus)
Bronchologiai Osztalya (Foorvos: Kertes Istvan dr.) kozlemenye.
(TUBERCULOSIS, PULMONARY) (PNEUMOCOINOSIS)
(BRONCHOSCOPY)

Distr: hE2c

15

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Manufacture of highly dispersed colloidal graphite and its use in foundries. György Párai, Ernő Grünwald, and Judit Kerész. (Armatura Steel Mills, Kolozsvár). *Onida 9*, 85-100(1958).—Acheson graphite contg. 0.5% ash (composed of 12-25% Si carbide, the balance Fe₂O₃, SiO₂, and Al₂O₃) was transformed into colloidal graphite suitable for the protection of coquilles in foundries by grinding in a ball mill in the presence of ground glass and water, followed by the addn. of gelatin for stabilization. Particle size distribution of the product (after 8, 10, and 24 hrs. grinding) is: 60-30 μ (34.5, 23.7, and 5.0%), 20-20 μ (18.5, 12.1, 16.0), 20-11 μ (35.0, 45.0, 58.3), and 11-2 μ (12.0, 19.2, 20.7).

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1/1

JGJ

pm L. G. Area

REKLE...
AUTHOR: ZHURAVI EV, N.N., KERTES, L. 56-6-7/56
TITLE: Structure of Supraconductors. XI. Investigation of Platinum, Ruthenium, Osmium and Iridium Alloys of Bismuth. (Struktura sverkhprovodnikov. XI. Issledovaniye splavov vismuta s platincy, ruteniyem, osmiyem i iridiyem, Russian)
PERIODICAL: Zhurnal Eksperim. i Teoret. Fiziki, 1957, Vol 32, Nr 6, pp 1313-1318 (U.S.S.R.)
ABSTRACT: For the Bi - Pt alloy the phase diagram was set up. There are two alloys: a) Bi₂Pt - which exists with a α and β modification; transformation temperature $\sim 390^{\circ}$ C, b) BiPt - which melts at $\sim 760^{\circ}$ C and forms a eutectic mixture with platinum. Direct melting experiments between bismuth on the one hand and ruthenium, osmium and iridium on the other were unsuccessful. (With 1 Table, 7 Illustrations, and 12 Slavic References).

ASSOCIATION: Moscow State University
PRESENTED BY:
SUBMITTED: 4.1.1957
AVAILABLE: Library of Congress

Card 1/1

KERTES, Robert, okleveles gepeszmernok

Planning and elaboration of the Council for Mutual Economic Assistance standard recommendations and their introduction in Hungary. Szabvany kozl 16 no.12:211-213 D '64.

1. Hungarian Bureau of Standards, Budapest.

KERTES, YS., (ASPIRANT **)

"The Aggregative Stability of Positively Charged Polystyrene Latexes."
Cand Chem Sci, Moscow Order of Lenin Chemico-technological Inst imeni D. I.
Mendeleev, 10 Nov 54. (VM, 29 Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

KERTES-MURESHAN, Y.

USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 22 - 26/45

Authors : Aleksandrova, Ye. M., and Kertes-Mureshan, Yu.

Title : Effect of stabilizer characteristics on the stability of positive charged polystyrene latex

Periodical : Dok. AN SSSR 103/2, 269-271, Jul 11, 1955

Abstract : Experiments showed that only semi-colloids or high molecular compounds can serve as suitable stabilizers for latex. The different colloidal-chemical properties of latex obtained from one and the same polymers (polystyrene), were determined by the properties of the stabilizers employed. The stability of latex against heterocoagulation and coagulation by negative charged latex is discussed. It is shown that latex with positive charged particles can be obtained directly by the polymerization-emulsion method by using an approximately cation-active stabilizer. Four USSR references (1936-1955).

Institution : Moscow Chem-Techn. Inst. im. D. I. Mendeleev

Presented by : Academician P. A. Rebinder, February 17, 1955

Master MURKSHAN Yu

REVIEWS

Mathematical Reviews
Vol. 14 No. 7
July - August, 1953
Algebra

6-23-54
LL

K. Kész, A. On the decomposability of Abelian p -groups into the direct sum of cyclic groups. *Acta Math. Acad. Sci. Hungar.* 3, 121-126 (1952). (Russian summary)

The author establishes a new criterion for a p -primary Abelian group to be the direct sum of cyclic groups. Call the elements a_i of the group G independent if $\sum \lambda_i a_i = 0$ implies $\lambda_i = 0$; and call a set S of elements of G independent if every finite subset of S is independent. Then Zorn's lemma ensures the existence of a maximal independent system S in G . Call such a system principal if no element in it can be replaced by an element of greater height without destroying the independence. (In a principal system, if it exists, the elements of finite height must obviously all be of order p .) The author's criterion is then simply: An Abelian p -group G without elements of infinite height is the direct sum of cyclic groups if and only if G possesses a principal system. From this theorem there follow as easy corollaries: (i) the basis theorem for finite groups; (ii) an Abelian p -group in which the orders are bounded is the direct sum of cyclic groups; (iii) an Abelian p -group is the direct sum of cyclic groups if and only if it is the union of a countable ascending chain of subgroups with bounded heights [Kulikov's criterion: *Mat. Sbornik N.S.* 16(58), 129-162 (1945); *these Rev.* 8, 252]; (iv) a countable Abelian p -group is the direct sum of cyclic groups if and only if it has no elements of infinite height [Prüfer's theorem: *Math. Z.* 17, 35-61 (1923)].

K. A. Hirsch (London).

3000

KERTESZ, A.

Vol. 14 No. 10
Nov. 1953
Algebra

6-24-54
LL

Kertész, A. On fully decomposable abelian torsion groups.
Acta Math. Acad. Sci. Hungar. 3, 225-232 (1952).
(Russian summary)

The author has recently [same Acta 3, 121-126 (1952); these Rev. 14, 617] given a criterion for an Abelian p -group to be the direct sum of cyclic groups. In the present paper he extends his method to cover also the case of quasi-cyclic groups (of type (p^∞)). It is well known that among the Abelian p -groups only the cyclic and the quasi-cyclic groups are directly indecomposable so that the direct sums of groups of these two types exhaust the fully decomposable Abelian p -groups. Two definitions are required: A principal system P in which no element can be replaced by one of greater height in G without destroying the independence. The elements of infinite height in G are divided into two classes; a is of inner infinite height if the equation $p^t x = a$ has for each natural number t a solution $x \in G$ which is itself an element of infinite height; otherwise a is of outer infinite height. Then the following criterion holds: An Abelian p -group G is fully decomposable if and only if 1) G possesses a principal system and 2) G contain no elements of outer infinite height. As corollaries the author obtains a number