

CHANGES IN PERIPHERAL BLOOD DURING RADIATION
THERAPY, BY YE. V. KARIBSKAYA , T. E.
MATETSKAYA, 9 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VII,
NO 11, 1962, PP 39-45.

JPRS 17402

OTS TITEL

SCI - MED

JAN 63

221,086

EARLY CHANGES IN THE SKIN CHROMAXY AND VISUAL
ANALYSORS IN PERSONS EXPOSED TO A SINGLE
LOCAL X-RAY TREATMENT, BY A. S. YEFIMOVA,
8 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA,
VOL VII, NO 11, 1962, PP 45-50.

JPRS 17402

OTD TI-68-21080-65-20041

SCI - MED

JAN 63

221,087

S-951/62

Concerning Evaluation of Luminescent-Microscopic
Pictures of Blood and Bone Marrow During Roentgen
Irradiation, by V. A. Kolpakov, ~~(DC-8346)~~.

RUSSIAN, per, Med Radiol, Vol VII, No 11, 1962,
pp 50-53.

*JPRS 1740.2
073 FT-63-24445
21000

Sci -Med

26 Dec 62

TT-64-13492

Kozinets, G. I. and Osechenskaya, G. V.
INCLUSION OF GLYCINE C¹⁴ IN THE HEMATO-
POIETIC CELLS OF LEUKEMIA PATIENTS. [1963]
[16p] 10 refs FASEB manuscript no. S 48-3.
Order from GTS, SLA, or BTC \$1.60 TT-64-13492
figs. available on loan from GTS
Trans. of Medicinskaya Radiologiya (USSR) 1962,
v. 7, no. 11, p. 53-59.

- I. Kozinets, G. I.
- II. Osechenskaya, G. V.
- III. FASEB-S-48-3
- IV. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

DESCRIPTORS: *Glycines, Labeled substances, Tracer
studies, *Hemopoietic system, *Leukemia, Cells
(Biology).

(Biological Sciences--Pathology, TT, v. 11, no. 9)

Office of Technical Services

Berkutov, A. N., Korchanov, L. S., Yaroslavtseva, N. A., Bochagova, D. I.

REPLACEMENT THERAPY AT THE CLIMAX OF ACUTE RADIATION SICKNESS. [1963] [13p] 18refs
FASEB manuscript no. S-49-3.

Order from OTS, SLA, or ETC \$1.60 TT-63-23857

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 11, p. 59-63. (Abstract available)

DESCRIPTORS: *Radiation sickness, *Blood transfusions, Blood cells, Immunity, Blood coagulation, *Radiation effects.

X-rays were used to produce radiation sickness in 15 dogs. At the height of the disease syndrome, 10 dogs were given direct transfusions of arterial blood every 2 or 3 days for a total of 4 or 5 transfusions. The 5 control animals did not receive any blood. Complete (Biological Sciences--Radiobiology, TT, v. 11, no. 8)
(over)

TT-63-23857

- I. Berkutov, A. N.
- II. Korchanov, L. S.
- III. Yaroslavtseva, N. A.
- IV. Bochagova, D. I.
- V. FASEB S-49-3
- VI. Federation of American Societies for Experimental Biology, Washington, D. C.
- V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

TREATMENT OF RADIATION SICKNESS BY
HOMOTRANSPLANTATION OF FRESH AND PRESERVED
SPLEEN, BY V. A. REVIS, A. A. SOKOLOV, 12 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA,
VOL VII, NO 11, 1962, PP 65-73.

JPRS 17402

SCI - MED

JAN 63

221,088

TT-63-23858

Dobrova, S. M. and Bereznov, L. P.
THE PRESENT STATE OF THE PROBLEM OF THE
RADIO-ISOTOPE DIAGNOSIS OF TUMORS OF THE
EYE. [1963] [14p] 44 refs FASEB manuscript
no. S 51-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-23858

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 11, p. 77-82. (Abstract available)

DESCRIPTORS: *Tracer studies, *Tumors, *Eye,
Neoplasms, *Diagnosis, Ophthalmology, *Radioactive
isotopes.

This relatively short survey of the accessible literature
on the use of radio isotope diagnosis of intracocular
tumors shows that with rare exceptions positive results
of tests with P32 and I131 are of practical value in
determining the nature of neoplasms of the eye. They
(Biological Sciences--Pathology, TT, v. 11, no. 8)(over)

- I. Dobrova, S. M.
- II. Bereznov, L. P.
- III. FASEB S-51-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Voltyuk, V. M.
**CERTAIN FEATURES OF THE MECHANISM OF
LEUKOPENIA IN ACUTE RADIATION SHOCK. [1963]**
[6]p. FASEB manuscript no. S 52-3.
Order from OTS or SLA \$1.10 63-23859

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 11, p. 82-83.

DESCRIPTORS: *Leukopenia, *Radiation sickness,
*Shock (Pathology), Hemopoietic system.

It is shown that the lower the dose of radiation received,
the greater the relative importance of redistribution in
the development of leukopenia. The larger the dose of
radiation, the sooner the redistributive, functional
phase of leukopenia gives way to substantial organic
changes in the leukocytes of the blood and bone marrow.
The phasic nature of the changes in leukopoiesis during
(Biological Sciences--Radiobiology, TT, v. 10, no. 12)
(over)

63-23859

- I. Voltyuk, V. M.
- II. FASEB S-52-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

TT-63-24446

Shubina, A. V.
THE EFFECT OF SEVERAL PHARMACOPICAL
PREPARATIONS ON EXPERIMENTAL RADIATION
SICKNESS (Vliyaniye Nekotorykh Farmakopelnykh
Preparatov na Lucheuyu Bolezn' v Eksperimente).
[1963] [71] FASEB Manuscript no.: S 53-3.
Order from OTS, SLA, or ETC \$1.10 TT-63-24446

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 11, p. 83-86. (Abstract available)
Another trans. is available from OTS \$1.50 in
TT-63-21030, JPRS-17402, 31 Jan 63 [58]p.

DESCRIPTORS: Drugs, *Radiation sickness, *Radio-
protective drugs, Hemopoietic system.

Two plant substances, *Aralia mandshurica* and *Ononis
arvensis*, and a chemical preparation of Leukogen
(4-carboxy-*n*-phenyl-2-thiazolidinacetic acid) were
(Biological Sciences--Radiology, TT, v. 11, no. 6)
(over)

1. Title: Aralia
2. Title: Leucogen
3. Title: Ononis
- I. Shubina, A. V.
- II. FASEB-S-53-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

S-951/62

Scientific ~~xxx~~ Conference Dedicated to ~~o~~ Problems of
Recovery From Radiation Injuries, by O. V. Popov.
(DC-8346)

RUSSIAN, per, Med Radiol, Vol VII, No 11, 1962,
pp 92-94.

*JPRS

Sci - MED

26 Dec 62

Volkova, M. A., Pel'man, S. G., and Dar'yalova, S. L.
COMPARATIVE DISTRIBUTION OF COLLOIDAL SOLUTIONS OF RADIOACTIVE YTTRIUM SALTS IN ANIMALS FOLLOWING INTRAPERITONEAL ADMINISTRATION. [1963] [12p] (fig omitted) 4refs
FASEB Manuscript no.: S 136-3.
Order from CTS, SLA, or ETC \$1.60 TT-63-24463

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 12, p. 3-7. (abstract available)

DESCRIPTORS: *Absorption (Biological), Colloids, *Yttrium compounds, *Labeled substances, Tracer studies, Bone, Blood, Reticuloendothelial system.

The differences in distribution of colloidal solutions of the silicate, phosphate and fluoride salts of radioactive yttrium were studied. Female rats were given a single injection of the isotopes into the abdominal cavity. All (Biological Sciences--Radiobiology, TT, v. 11, no. 6) (over)

TT-63-24463

- I. Volkova, M. A.
- II. Pel'man, S. G.
- III. Dar'yalova, S. L.
- IV. FASEB-S-136-3
- V. Federation of American Societies for Experimental Biology, Washington, D. C.
- VI. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

TT-63-24462

Umanski, K. G., Shuster, M. A., and Yudin, L. A.
DETERMINATION OF THE EXTENT OF INJURY TO
THE FACIAL NERVE BY RADIOINDICATION OF THE
SALIVA. [1963] [11p] 4 refs FASEB Manuscript
no.: S-137-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24462

- I. Umanski, K. G.
- II. Shuster, M. A.
- III. Yudin, L. A.
- IV. FASEB-S-137-3
- V. Federation of American Societies for Experimental Biology, Washington, D. C.
- VI. Scripta Technica, Inc., Washington, D. C.

Trans. of Meditsinskaya Radiologiya (USSR) 1962 [v. 7]
no. 12, p. 21-25. (Abstract available)

DESCRIPTORS: Tracer studies, *Saliva, Secretion,
*Wounds and injuries, *Facial nerve, Salivary glands,
Diagnostic agents.

Radiometric investigation of the functioning of the salivary glands reveals a distinct difference in ¹³¹I accumulation when the facial nerve is damaged at different levels; this is of diagnostic importance. In damage to the trunk of the facial nerve radioactivity in the saliva is lower on the side affected. In damage to the center of (Biological Sciences--Radiobiology, TT, v. 11, no. 5)
(over)

Office of Technical Services

TT-63-24464

Al'ferova, V. V. and Kuznetsova, L. V.
THE STATE OF THE PERIPHERAL VESSELS IN
INDIVIDUALS WORKING WITH THE CYCLOTRON.
[1963] [18p] 7 refs FASEB Manuscript no.: S 138-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24464

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 12, p. 32-37. (Abstract available)

DESCRIPTORS: *Radiation effects, *Blood vessels,
Plethysmography, Cyclotron, Operators (Personnel),
Blood pressure,

The state of the peripheral vessels was observed in
individuals who had worked with a cyclotron for be-
tween 4 and 9 years and in individuals who had never
been exposed to a toxic or radiation effect. Among
individuals working with the cyclotron, arterial pres-
sure was normally 10-20 mm lower than in the control
(Biological Sciences--Radiobiology, TT, v. 11, no. 5)
(over)

- I. Al'ferova, V. V.
- II. Kuznetsova, L. V.
- III. FASEB-S-138-3
- IV. Federation of American
Societies for Experimental
Biology, Washington,
D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

TT-63-24471

Kovalenko, A. V.
CHANGES IN LEUKOCYTE MOTILITY IN RADIATION
THERAPY. [1963] [7p] Srefs FASEB manuscript
no. S 139-3.

Order from OTS, SLA, or ETC \$1.10 TT-63-24471

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 12, p. 38-40. (Abstract available)

DESCRIPTORS: *Radiotherapy, *Radiation injuries,
*Leucocytes, *Phagocytosis, Contrast media,
Microscopy, Diagnostic agents,

Small doses of penetrating radiation initially increase
leukocyte motility. Following repeated irradiation there
is a reduction in the total number of leukocytes and a
noticeable reduction in their motility by comparison
with the initial levels prior to irradiation. (Author)

(Biological Sciences--Radiobiology, TT, v. 11, no. 5)

- I. Kovalenko, A. V.
- II. FASEB-S-139-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Gladkova, G. S.
SOME COMPARATIVE DATA ON TWO METHODS
FOR STUDYING THE TAKE OF BONE GRAFTS
USING RADIOACTIVE INDICATORS. [1963] [9p] (fig
omitted) FASEB Manuscript no.: S 140-3.
Order from OTS, SLA, or ETC \$1.10 TT-63-24465

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 12, p. 40-43. (Abstract available)

DESCRIPTORS: *Bone, *Transplantation, *Tracer
studies, Pulse counters, Autoradiography, Surgery,
Medical equipment, Diagnostic agents,

The object of the research was to study mineral metabo-
lism between the graft and the accepting matrix in the
recipient following the transplantation of fresh grafts
and grafts preserved at low temperature to various bone
matrices. By using the pulse count method it was
(Biological Sciences--Radiobiology, TT, v. 11, no. 6)
(over)

TT-63-24465

- I. Gladkova, G. S.
- II. FASEB-S-140-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

TT-63-24466

Shevchenko, V. I.
THE NATURE OF DISTURBANCES TO BLOOD
COAGULATION IN CHRONIC (OCCUPATIONAL)
X-IRRADIATION. [1963] [19p] 17refs FASEB
Manuscript no.: S 142-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24466

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 12, p. 49-55. (Abstract available)
Another trans. is available from OTS \$1.00 in
TT-63-21141, JPRS-17659, 15 Feb 63 [38]p.

DESCRIPTORS: *Blood coagulation, *Health physics,
*Radiation effects, Industrial medicine, Blood
disorders, X-rays.

The authors examined 70 workers in X-ray departments
employed for periods of between a few months and 20
years. The data obtained show that although there are
regular and fairly stable disturbances to blood coagula-
(Biological Sciences--Radiobiology, TT, v. 11, no. 6)
(over)

- I. Shevchenko, V. I.
- II. FASEB-S-142-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Kalistratova, V. S.
THE EFFECT OF INFLAMMATION OF SUBCU-
TANEOUS CELL TISSUE AND SENSITIZATION ON
Sr⁹⁰ DISTRIBUTION IN THE ORGANISM. [1963] [8p]
FASEB manuscript no. S 143-3
Order from OTS, SLA, or ETC \$1.10 TT-64-13496

Trans. of Medicinskaya Radiologiya (USSR) 1962,
v. 7, no. 12, p. 56-58.

(Biological Sciences--Radiobiology, TT, v. 11, no. 11)

TT-64-13496

- I. Kalistratova, V. S.
- II. FASEB-S-143-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

S-51/63

Effect of Repeated Prolonged Irradiation on Blood
and Hemopoietic Organs, by G. D. Eaysogolov.
(NY-7427)

RUSSIAN, per, Medit Radiologiya, Vol VII, No 12,
1962, pp 68-77.

*JPRS

Sci - Med
17 Jan 63

S-367/63

Prospects For Extracting Radioactive Strontium
from the Organism, by V. S. Balabukha, H. O.
Razuinovskiy. SF-2603

RUSSIAN, per, Meditsinskaya Radiologiya, Vol VII,
No 3, 1963, pp 71-76.

*JPRS

Sci - Med.

Apr 63

PREOPERATIVE IRRADIATION OF MAMMARY CANCER VIA
INTERSTITIAL ADMINISTRATION OF RADIOACTIVE
COLLOIDAL GOLD, BY A. V. KANTIN, L. A. KACHUR,
ET AL, 13 PP.

RUSSIAN, PER, MEDIT RADIOL, NO 1, 1963, PP 24-32.

JPRS 18904

SCI - BIOL-MED SCI

MAY 63

228,877

DETERMINATION OF THE FUNCTIONAL STATE OF THE
THYROID BY MEANS OF A DIAGNOSTIC SCINTILLATION
APPARATUS OF THE DSU-61 TYPE, BY V. N. SLAVNOV,
T. P. SIVACHENKO, 5 PP.

RUSSIAN, PER, MEDIT RADIOL, NO 1, 1963, PP 36-38.

JPRS 18904

SCI - BIOL-MED SCI

MAY 63

228,878

SOME RESULTS OF THE ELABORATION OF THE PROBLEM
OF RADIOBIOLOGY IN PUBLIC HEALTH INSTITUTIONS
IN 1961, BY YE. I. VOROB'YEB, L. V. FUNSHTEYN,
10 PP.

RUSSIAN, PER, MEDIT RADIOL, NO 1, 1963, PP 38-45.

JPRS 18904

OTS -TT-64-13922

SCI - BIOL-MED SCI

MAY 63

228,879

S-309/63

The Influence of Long-Term Internal Irradiation
With Radioactive Zinc on the Bioelectric Activity
of the Brain in Rabbits, by V. G. Ovakimov.
(NY-7557)

RUSSIAN, per, Medit Radiol, Vol VIII, No. 1,
1963, pp 45-46.

*JPRS

Sci - Biol & Med Sci
22 Mar 63

TT-64-13530

Sheremet, Z. I. and Kazanova, L. I.
EFFECT OF VITAMIN B₁₂ ON THE NUCLEIC ACID
CONTENT OF THE HEMOPOIETIC ORGANS OF
IRRADIATED ANIMALS. [1963] [14p] 82refs FASEB
manuscript no. S 278-3.
Order from CTS, SLA, or ETC \$1.60 TT-64-13530
figs. available on loan from CTS
Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 1, p. 46-54.

- I. Sheremet, Z. I.
- II. Kazanova, L. I.
- III. FASEB-S-278-3
- IV. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

DESCRIPTORS: *Nucleic acids, Cells (Biology),
*Hemopoietic system, *Radiation effects, *Drugs, Bone
marrow, *Radioprotective agents, *Vitamin B₁₂

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

Office of Technical Services

Visarionova, V. Ya. and Chertkov, I. L.
THERAPEUTIC EFFECT OF PURIFIED PROPERDIN
IN MICE WITH ACUTE RADIATION SICKNESS.
[1963] [7p] Refs FASEB manuscript no. S 281-3.
Order from GTS, SLA, or ETC \$1.10 TT-64-13529

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 9, p. 62-64.
Another trans. is available from GTS \$1.25 in
TT-63-21676, JPRS-18904, 25 Apr 63, 37p.

(Biological Sciences--Radiobiology, TT, v. 11, no. 11)

TT-64-13529

- I. Visarionova, V. Ya.
- II. Chertkov, I. L.
- III. FASEB-S-281-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Korolev, G. K.
CHANGES IN THE CARDIOVASCULAR SYSTEM OF
DOGS WITH RADIATION SICKNESS INDUCED BY
URANIUM FISSION PRODUCTS. [1953] [16p] 18refs
FASEB manuscript no. S 282-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24500

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 1, p. 64-70. (Abstract Available)

DESCRIPTORS: *Cardiovascular system, Dogs,
*Radiation sickness, *Fission products, *Uranium,
Heart, Blood pressure, Atrophy, Cardiac muscle.

A drop in pulse rate, which is later replaced by
tachycardia, occurs in dogs during the first days
postirradiation by uranium fission products ingested or
inhaled. At the climax of radiation sickness the arterial
pressure drops and weakening of the cardiac impulse,
dullness of tones, and sometimes a pendulum rhythm
(Biological Sciences--Radiobiology, TT, v. 11, no. 4)
(over)

TT-63-24500

- I. Korolev, G. K.
- II. FASEB-S-282-3
- III. Federation of American
Societies for
Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, C. C.

Office of Technical Services

Application of the Isotope Method to Study
Absorption From the Alimentary Tract, by
D.E. Grozenskiy, K. S. Zamyckina. 27 pp.
RUSSIAN, per, Meditsinskaya Radiologiya, Vol 8,
No 1, 1963, pp 71-76.
SLA TT-64-19265

Sci/B&M
Jul 66

305,969

TT-64-13867

Vakhtel', V. S. and Sinenko, L. F.
THE EFFECT OF CYSTAMINE HYDROCHLORIDE ON
THE DEVELOPMENT AND COURSE OF RADIATION
SICKNESS IN PATIENTS UNDERGOING X-RAY THER-
APY AND RADIOTHERAPY. [1963] [16p] 2refs
FASEB Ms no. : S527-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13857

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 2, p. 13-19.

DESCRIPTORS: *Radiation sickness, Therapy, Drugs,
*Radioprotective agents, Amines.

1. Title: Cystamine hydrochloride
1. Vakhtel', V. S.
- II. Sinenko, L. F.
- III. FASEB-S-527-3
- IV. Federation of American Societies for Experimental Biology, Washington, D. C.
- V. Scripta Technica, Inc., Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

Office of Technical Services

A Case of Radiation Sickness Due to Radio-
active Cesium, by L. I. Geller. 8 pp.
RUSSIAN, per, Meditinskaya Radiologiya, Vol 8,
No 2, 1963, pp 23-25.
SLA TT-64-19213

Sci/B&M
Jul 66

305,968

Use of Marrow Suspension in Superlethal Radiation
Affections by K. N. Muksinova, 7 pp.

RUSSIAN, per, Medit Radiol, Vol VIII, No 2, 196³
pp 25-28. 9687675

FTD-TT-63-596

Sci. Med Sci & Bio
Nov 63

241,466

Bogatov, L. V.
THE REACTION OF THE BLOOD SYSTEM IN DOGS
TO HEAVY LOSS OF BLOOD AT REMOTE PERIODS
AFTER CHRONIC IONIZING IRRADIATION (O Reaktsii
Sistemy Krovi u Sobak na Massivnuyu Krovopoteryu v
Otdalennye Sroki Posle Khronicheskogo Vozdeistviya
Ioniziruyushchei Radiatsii). [1963] [18p] 14refs
FASEB Ms no. : S530-3.
Order from OIS, SLA, or ETC \$1.60 TT-64-13839

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 2, p. 28-35.

DESCRIPTORS: *Blood circulation, *Radiation effects,
Hemorrhage, *Dogs, Radiation sickness.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13839

- I. Bogatov, L. V.
- II. FASEB-S-530-3
- III. Federation of American
Societies for Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Gruzdev, G. P., Evseeva, N. K., Rozhdestvenskii, L. M., Fedotova, M. I., and Shcherbova, E. N.
DISTURBANCE OF CELL REGENERATION IN THE BONE MARROW OF IRRADIATED RATS. [1963] [14p] 12refs FASEB Me No.: S 531-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13840

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, p. 35-42.

DESCRIPTORS: *Hemopoietic system, *Bone marrow, *Cells (Biology), *Blood cells, Regeneration, Rats, *Radiation effects.

(Biological Sciences--Radiobiology, TT, v. 11, no. 4)

TT-64-13840

- I. Gruzdev, G. P.
- II. Evseeva, N. K.
- III. Rozhdestvenskii, L. M.
- IV. Fedotova, M. I.
- V. Shcherbova, E. N.
- VI. FASEB-5-531-3
- VII. Federation of American Societies for Experimental Biology, Washington, D. C.

Office of Technical Services

Ul'yanov, N. I. and Sakharov, B. V.
CHANGES IN THE LEUKOCYTE REACTION TO PAIN
IN INJURIES CAUSED BY RADIATION WITH OR
WITHOUT TRAUMA. [1963] [13p] 14refs FASEB
Ma no.: S532-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13868

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 2, p. 42-47.

DESCRIPTORS: *Radiation injuries, *Shock (Pathology),
*Pain, *Hematology, Blood cells, *Leukocytes,
Radiation effects.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13868

- I. Ul'yanov, N. I.
- II. Sakharov, B. V.
- III. FASEB-S-532-3
- IV. Federation of American
Societies for Experimental
Biology,
Washington, D. C.
- V. Scripta Technica, Inc.
Washington, D. C.

Office of Technical Services

LOWERING THE IMMUNOBIOLOGICAL RESISTANCE OF
THE ORGANISM AS A MANIFESTATION OF THE IRREVERSIBLE
COMPONENT, BY I. G. AKOYEV, M. A. LAGUN, 10 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 2, 1963, PP 47-50.

JPRS 19152

SCI - MED
MAY 63

230,009

Antipenko, E. N.
RESIDUAL MANIFESTATIONS AND LATE SEQUELAE
OF ACUTE RADIATION SICKNESS IN MAN. [1963]
[30p] 67refs FASEB Me no. S334-3.
Order from OTS, SLA, or ETC \$2.60 TT-64-13924

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 2, p. 58-66.

DESCRIPTORS: *Radiation sickness, Man.

(Biological Sciences--Radiobiology, TT, v. 11, no. 10)

TT-64-13924

- I. Antipenko, E. N.
- II. FASEB-S-534-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Mindlin, S. S.

THE CARDIOVASCULAR EFFECTS OF IONIZING RADIATION IN RADIATION THERAPY OF TUMOR PATIENTS. [1963] [16p] 7 refs FASEB Ms no. : S356-3. Order from OTS, SLA, or ETC \$1.60 TT-64-13865

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 3, p. 26-31.

DESCRIPTORS: Radiotherapy, *Cardiovascular system, *Radiation effects, Neoplasms.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13865

- I. Mindlin, S. S.
- II. FASEB-S-356-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Kuznetsova, L. V. and Egorova, M. S.
**THE ASSESSMENT OF β -RADIATION AS A FACTOR
AFFECTING CYCLOTRON OPERATORS.** [1963] [12p]
Arts FASEB Ms no.: S357-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13833

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 3, p. 34-38.

DESCRIPTORS: *Health physics, *Cyclotrons,
*Radiation hazards, Operators (Personnel), Beta
particles, Dose rate.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13833

- I. Kuznetsova, L. V.
- II. Egorova, M. S.
- III. FASEB-S-357-3
- IV. Federation of American
Societies for Experimental
Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Ertevsyan, L. N.
ELECTROCARDIOGRAPHIC CHANGES IN CATS
WITH BRAIN TRAUMA AND RADIATION SICKNESS.
[1963] [18p] 7 refs FASEB manuscript no. S 358-3.
Order from OTS, SLA, or BTC \$1.60 TT-64-13407

Trans. of Meditsinskaya Radiologiya (USSR)
1963, v. 8, no. 3, p. 38-43.

DESCRIPTORS: *Radiation sickness, *Brain, *Shock
(Pathology), Cats, Electrocardiography, *Cardio-
vascular system.

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13407

- I. Ertevsyan, L. N.
- II. FASEB-S-358-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Aleksseva, M. S. and Fedorov, V. K.
A STUDY OF THE HIGHER NERVOUS ACTIVITY OF
THREE GENERATIONS OF RATS BORN OF PARENTS
IRRADIATED WITH γ -RAYS FROM Co⁶⁰. [1963]
[15p] 7 refs FASEB manuscript no. S 359-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13406

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 3, p. 30-37.

DESCRIPTORS: *Nervous system, Rats, *Radiation
effects, *Gamma rays, Genetics, Cobak, Fertility.

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13406

- I. Aleksseva, M. S.
- II. Fedorov, V. K.
- III. FASEB-S-359-3
- IV. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Kalistratova, V. S.
**THE EFFECTS OF AN INFLAMMATORY PROCESS
IN THE LUNGS ON RADIOSTRONTIUM DISTRIBUTION
IN THE ORGANISM. [1963] [10p] 4refs FASEB**

Ms no, S 360-3.
Order from OTS, SLA, or ETC \$1.10 TT-64-13834

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 3, p. 57-61.

DESCRIPTORS: *Lungs, Inflammation, Radioactive
isotopes, *Strontium, *Radiation effects

(Biological Sciences--Radiobiology, TT, v. 11, no. 5)

TT-64-13834

- I. Kalistratova, V. S.
- II. FASEB-S-360-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Ereksova, E. V.
LONG TERM MORPHOLOGICAL CHANGES INDUCED
BY Po^{210} IN DOGS [1963] [10p] PASEB manuscript
no. S 361-3.
Order from OTS, SLA, or ETC \$1.10 TT-63-24510

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 3, p. 61-66. (Abstract available)

DESCRIPTIONS: *radiation effects, Morphology
(Biology), Dogs, Radioactive isotopes, Polonium,
Liver, *Cancer, *Gastrointestinal system, *Car-
cinogenic agents, Endocrine glands,

Morphological examination of dogs killed 9 years after
administration of Po^{210} 0.05 mc/kg via gastro-intes-
tinal tract showed dystrophic changes in various organs
gross abnormalities in the stroma and parenchyma of
the liver with nodular proliferation of the liver cells as
a form of compensatory hypertrophy and hyperplasia
(Biological Sciences--Radiobiology, TT, v. 11, no. 5)
(over)

TT-63-24510

- I. Ereksova, E. V.
- II. PASEB-S-361-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.
Washington, D. C.

Office of Technical Services

Smirnova, O. V.
THE EFFECTS OF PRIOR VACCINATION WITH
LIVE ANTIPLAGUE EB VACCINE ON THE RADIO-
RESISTANCE OF ANIMALS. [1963] [13p] 9refs
FASEB Ms no.: S362-3.
Order from ORS, SLA, or ETC \$1.60 TT-64-13835

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 3, p. 66-71.

DESCRIPTORS: *Radioprotective agents, *Vaccines,
Pasteurella.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13835

- I. Smirnova, O. V.
- II. FASEB-S-362-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

ELIMINATING RADIOSTRONTIUM FROM THE ORGANISM,
BY V. S. BALABUKHA, N. O. RAZUMOVSKIY, 8 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 3, 1963,
PP 71-76.

OTS TT-64-13836
JPRS 18936

SCI - BIOL-MED SCI

MAY 63

228,853

TT-64-13841

Voznyuk, I. Ya.
THE EFFECTS OF X-IRRADIATION ON THE
REPRODUCTIVE FUNCTION IN DOGS AND THEIR
FIRST GENERATION PROGENY. [1963] [15p]
(figs omitted) 19 refs FASEB Ms no. S 628-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13841
figs. available on loan from OTS

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 4, p. 62-68.

DESCRIPTORS: *Reproduction (Physiology).
*Radiation effects, X-rays, Dogs, *Mutations.

- I. Voznyuk, I. Ya.
- II. FASEB-S-628-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

Krikshtopaitis, M. I. and Pashkyavichos, V. R.
POSSIBLE CLINICAL CURE OF CANCER OF THE
THYROID BY ¹³¹I. [1963] [8p] FASEB Ms no. S629-3.
Order from CTS, SLA, or ETC \$1.10 TT-64-13817

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 4, p. 80-81.

DESCRIPTORS: *Cancer, *Thyroid gland, *Iodine,
Radioactive isotopes, Radiotherapy.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13817

- I. Krikshtopaitis, M. I.
- II. Pashkyavichos, V. R.
- III. FASEB-S-629-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

SOVIET STUDIES OF RADIATION SICKNESS, BY
V. V. ANTIPOV, V. D. ABDULLAYEV, ET AL, 18 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL. VIII, NO 4,
1963, PP 81-92.

JPRS 19996

SCI - BIOL/MED SCI

JUL 63

235,269

Saksonov, P. P. and Pakhrudinov, G. P.
TOXICOLOGICAL DATA ON RADIOACTIVE IODINE
(Material k Toksikologii Radioaktivnogo Ioda). [1964]
[13p] (foreign text included) ISrefs FASEB Ms no.:
S774-3.

Order from OTS, SLA, or ETC \$1.60 TT-64-15517

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v.
8, no. 5, p. 29-[32].

(Biological Sciences - Radiobiology, TT, v. 12, no. 3)

TT-64-15517

- I. Saksonov, P. P.
- II. Pakhrudinov, G. P.
- III. PASEB-S-774-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

TT-64-15518

Kiselev, P. N. and Sivertseva, V. N.
CHANGES IN THE CAPACITY OF IRRADIATED
ANIMAL TISSUES TO DESTROY MICROBIAL TOXINS.
[1964] [21p] 13 refs FASEB Ms no. :5775-3.
Order from OTS, SLA, or ETC \$2.60 TT-64-15518

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 5, p. 33-39.

- I. Kiselev, P. N.
- II. Sivertseva, V. N.
- III. FASEB-S-775-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

(Biological Sciences--Radiobiology, TT, v. 12, no. 3)

RADIATION EXPOSURE OF MEDICAL PERSONNEL DURING
WORK WITH AU 198 GRANULES IN NEURO-ONCOLOGICAL
CLINICS, BY A. A. VOLKOV, N. K. MURATHODZHAYEV,
ET AL, 7 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VIII, NO 5,
1963, PP 39-43.

JPRS 20520

SCI - MED
AUG 63

238,529

THE PROTECTIVE AND THERAPEUTIC EFFECT OF SYNERGIST
ACTION OF EFFECTIVE SUBSTANCES ON THE OUTCOME OF
RADIATION SICKNESS IN ANIMALS, BY A. M. STASHKOV,
V. P. KOROTKOVA, 8 PP.

RUSSIAN, PER, MEDIT RADIO, VOL VIII, NO 5, 1963,
PP 79-82.

JPRS 20520

SCI - MED
AUG 63

238,530

THE THIRD ONCOLOGICAL CONFERENCE AND FOURTH CONFERENCE OF TOENTGENOLOGISTS AND RADIOLOGISTS OF THE MOLDAVIAN SSR, BY YU. B. MANDELITSVAYG, 9 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII, NO 5, 1963, PP 89-94.

JPRS 21231

SCI-BIOL-MED
OCT. 63

344,425

Radiometric Assessment of Liver Function in
Biliary Tract Obstruction, by S. B. Karimova. 19pp
RUSSIAN, per, Meditsinskaya Radiolobiya, Vol 8,
No 6, 1968, pp 19-27.
SLA TT-64-19214

Sci/B&M
Jul 66

305,970

THE MECHANISM OF ANTIRADIATION AGENTS, BY V. I. KUZNET-
SOV, M. S. KUSHAKOVSKIY, 9 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 6, 1963, PP 27-32.

JPRS 21214

SCI-BIOL-MED
OCT. 63

344,440

ANALYSIS OF THE ACTION OF RADIOPROTECTIVE AGENTS FROM
THE ASPECT OF THEIR PRACTICAL APPLICATION, BY
G. V. SUMARUKOV, YU. B. KUDRYASHOV, 16 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 6, 1963, PP 32-41.

JPRS 21214

SCI-BIOL-MED
OCT 63

344,441

POTENTIOMETRIC DETERMINATION OF THE EFFECTIVENESS OF
CYSTEAMINE PROTECTION ON MICE, BY G. V. SUMARUKOV,
YU. B. KUDRYASHOV, 6 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 6, 1963, PP. ~~92-44~~ 92-44.

JPRS 21214

SCI-BIOL-MED
OCT. 63 .

344,442

THE EFFECT OF UNITHIOLE ON THE KIDNEY FUNCTION OF
DOGS INJURED BY IONIZING RADIATION, BY Z. I. POLUBOY-
ARINOVA, 9 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 6, 1963, PP. ~~44-50~~. 44-50.

JPRS 21214

SCI*BIOL-MED
OCT 63

344,443

TRANSFORMATION OF HEMOPOEITIC CELLS OF TRANSPLANTED
ALLOGENOUS BONE MARROW INTO IMMUNOLOGICALLY COMPETENT
CELLS IN IRRADIATED DOGS, BY I. L. CHERTKOV,
M. N. KOVIKOVA, ET AL, 14 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 6, 1963, PP 51-60.

FASEB, VOL 23, NO 4, PT. II.
JPRS 21214

SCI-BIOL-MED
OCT. 63

344, 444

STUDY OF THE DYNAMICS OF ERYTHROPOIESIS BY MEANS OF
THYMIDINE-3, FE59, AND ERYTHROPOIETIN, BY
G. I. KOZINETZ, M. TYUBIANA, ET AL, 5 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 6, 1963, PP 60-63.

JPRS 21214

SCI-BIOL-MED
OCT. 63

344,445

THE MECHANISM OF THE THERAPEUTIC EFFECT OF BONE
MARROW TRANSFUSIONS IN THE TREATMENT OF RADIATION
SICKNESS, BY M. P. BOGOYAVLENSKAYA, YE. A. ZOTIKOV,
ET AL, 0 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL. VIII,
NO 6, 1963, PP 63-68.

JPRS 21214

SCI-BIOL-MED
OCT 63 .

344,446

THE EFFECT OF HOMOLOGOUS BONE MARROW TRANSPLANTATION
ON CERTAIN REACTIVITY INDICES AND THE SURVIVAL OF
LETHALLY IRRADIATED RATS, BY I. G. VEKSLER, 7 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 6, 1963, PP 68-75.

JPRS 21214

SCI-BIOL-MED
OCT. 63

344,447

THE RECEPTION OF IONIZING RADIATION BY THE ORGANISM,
BY YU. G. GRIGOR'YEV, L. N. KVASNIKOVA, 12 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 6, 1963, PP 85-91.

JPRS 21214

SCI-BIOL-MED
OCT, 63

344,448

SOME DATA ON THE APPLICATION OF NEW RADIOACTIVE
ISOTOPES TO CLINICAL DIAGNOSTIC STUDIES, BY
M. N. FATEYEVA, 13 PP.

RUSSIAN, ^RPE, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 7, 1963, PP 3-11.

JPRS 21280

SCI-BIOL & MED
OCT. 63

344,429

THE UTILIZATION OF COLLOIDAL RADIOACTIVE ISOTOPES
FOR RADIATION THERAPY OF CRANIOPHARYNGIOMAS, BY
A. A. VOLKOV, I. S. VASKIN, 8 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 7, 1963, PP 23-28.

JPRS 21280

SCI-BIOL & MED
OCT 63

344,430

TT-64-15520

Livergant, Yu. E., Chebotareva, E. D., and
Tarkhanova, M. V.

THERAPEUTIC VALUE OF RADIOIODINE IN DIFFERENT FORMS OF HYPERTHYROIDISM (O Terapevticheskoj Effektivnosti 131 pri Razlichnykh Formakh Tirozotoksikoza). [1964] [17p] 7refs

FASEB Ms no. :S783-3.

Order from OITS, SLA, or ETC \$1.60 TT-64-15520

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 7, p. 29-34.

- I. Livergant, Yu. E.
- II. Chebotareva, E. D.
- III. Tarkhanova, M. V.
- IV. FASEB-S-783-3
- V. Federation of American Societies for Experimental Biology, Washington, D. C.
- VI. Scripta Technica, Inc., Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 12, no. 3)

Office of Technical Services

TT-64-15521

Belugina, Z. T. and Khachkuruzova, E. S.
DYNAMICS OF HEMATOPOIESIS AND SECRETION
IN THE STOMACH CONTENTS DURING RADIO-
PHOSPHORUS TREATMENT OF PRIMARY POLY-
CYTHEMIA (Dinamika Gemopoeticheskoi i Sekretornoi
Aktivnosti Zheludochinogo Soderzhimogo pri Lechenii
Istinnoi Politsitemii Radioaktivnym Fosforom). [1964]
[22p] (foreign text included) 19refs FASEB
manuscript no.: S784-3.
Order from OTS, SLA, or ETC \$2.60 TT-64-15521

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 7, p. 34-38.

- I. Belugina, Z. T.
- II. Khachkuruzova, E. S.
- III. FASEB-S-784-3
- IV. Federation of American
Societies for Experi-
mental Biology.
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 12, no. 3)

Office of Technical Services

REDUCTION OF THE RATE OF RECOVERY PROCESSES AS A
CHARACTERISTIC FEATURE OF ACUTE RADIATION SICKNESS
AFTER REPEATED IRRADIATION, BY V. A. REZONTOV, 9 PP

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 7, 1963, PP 52-56.

JPRS 21280

SCI-BIOL & MED
OCT 63

344,431

THE EFFECT OF WHOLE BODY ALPHA-THERAPY ON LIPOID
METABOLISM IN EXPERIMENTAL ARTERIOSCLEROSIS, BY
F. L. LXEYTES, 7 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII, NO
NO 7, 1963, PP ~~62-67~~ 62-67.

JPRS 21280

SCI-BIOL & MED
OCT 63

344,432

REVIEWS THE EFFECT OF IONIZING RADIATION ON THE
FUNCTION OF THE VESTIBULAR ANALYZER, BY
A. V. SEVANKAYEV, A. A. SVESHNIKOV, 11 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, VOL VIII,
NO 7, 1963, PP 82-87.

JPRS 21280

SCI-BIOL & MED
OCT. 63

344,433

Gurtovoi, G. K.
RADIOISOTOPIC DIAGNOSIS OF TUMORS OF THE
EYE. [1964] [14p] 8 refs FASEB Ms no.:S787-3.
Order from CTS, SLA, or ETC \$1.60 TT-64-15522
Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 8, p. 17-22.

TT-64-15522

- I. Gurtovoi, G. K.
- II. FASEB-S-787-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 12, no. 3)

Office of Technical Services

Investigation of the Liver Function of Patients
With Chronic Cholangio-Hepatitis Using Bengal
Rose-¹³¹I, by V.V. Trusov, I.A. Belosludtsev.

19 pp.

RUSSIAN, per, Meditsinskaya Radiologiya, Vol 8
No 8, 1963, pp 25-31.

SLA TT-64-19215

Sci/B&M

Jul 66

305,974

Mukeladze, D. A.
RADIATION INJURIES OF BONE TISSUE (Radiatsionnye
Povrezhdeniya Kostnoi Tkani). [1964] [27p] (foreign
text included) (2 refs FASEB Ms no. S789-3.
Order from OTS, SLA, or ETC \$2.60 TT-64-15523

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 6, p. 35-42.

(Biological Sciences--Radiobiology, TT, v. 12, no. 3)

TT-64-15523

- I. Mukeladze, D. A.
- II. FASEB-S-789-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

On the Relation Between Arterial Pressure Changes
and the State of Certain Regulating Mechanisms in the
Early Periods After Ionizing Radiation, by

A. N. Lanin, 10 pp.
RUSSIAN, per, Medit Radio, Vol VIII, No 8, 1963,
pp 42-48. 9693191
FID-TT-64-329

Sci - Biol & Med Sci
Jul 64

263,749

**The Humoral Component in the Effect of Bone Marrow Trans-
Plantation on Dogs With Acute Radiation Sickness, by
Chang Ts'ung-hsien, 8 pp.**

RUSSIAN, per, Medit Radiologiya, Vol VIII, No 8, 1963, pp 48-53.

JPRS 22591

**Sci-Biol & Med
Jan 64**

246, 061

The Effect of Whole-Body Alpha-Irradiation Lipolytic
Enzyme Induction by Connective Tissue Cells, by
F. L. Leytes, 7 pp.
RUSSIAN, per, Medit Radio, Vol VIII, No 8, 1963,
pp 54-58. 9693191
FTD-TT-64-329

Sic - Biol & Med Sci
Jul 64

263,750

Reasons for the Failure of Antibiotic Therapy of Auto-Infection
in Radiation Sickness, by H. D. Meter, 11 pp.

RUSSIAN, per, Medit Radiologiya, Vol 8, No 8, Aug 1963,
~~14 Mar 1963~~, *SP 58-65.*

JPRS 22625

Sci-Biol & Med
Jan 64

~~2242x~~ 245, 571

International Conference on the Diagnosis and Treatment of Contamination by Radioactive Isotopes, Vienna, 15-18 October 1962, by Yu. I. Moskalev, 26 pp.

RUSSIAN, par, Medit Radiologiya, Vol VIII, No 8, 1963, pp 77-87.

JPRS 22610

**Sci-Biol & Med
Jan 64**

245, 570

DEVELOPMENT OF BIOLOGICAL SCIENCES AND PROSPECTS
FOR DEVELOPMENT OF RADIOBIOLOGY, BY
YE. I. VOROB'YEV, L. V. FUNSHTEYN, 6 PP.

RUSSIAN, MED T RADIOLOG, PER, VOL VIII, NO 9,
1963, PP 3-7.

JPRS 21868

MED SCI
NOV 63

242,180

Study of the Resorption of Radioactive Iodine
From an Intradermal Depot in Atherosclerosis
and Arterial Hypertensive Disease, by
K.M. Prostyakov, E. P. Chunakova, et al. 27 pp.
RUSSIAN, per, Meditsinskaya Radiologiya, Vol 8,
No 9, 1963, pp 7-14.
SLA TT-64-19218

Sci/B&M
Jul 66

305,971

Functional Acticity of Granulocytes in
Vitro, by V. A. Alamo, S. V. Kanaev, V. L.
Baev, V. I. Petukhov, 14pp.
RUSSIAN, per, Meditinskaya Radiologiya,
Vol 8, No 11, 1963, pp 20-24.
CFSTI TT-64-19647.

322,299

Sci - B & M
Mar 67

THE RESULTS OF DOSIMETRIC MEASUREMENTS IN
THERAPEUTIC WORK WITH RADIO-ACTIVE IODINE, BY
G. A. SHESHINA, N. S. RASTATUROV, ET AL, 6 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VIII, NO 9,
1963, PP ~~14-17~~ 48.

JPRS 22119

SCI-BIOL & MED SCI
DEC 63

243,007

8 THE EFFECT OF PROTON AND GAMMA-RADIATION ON THE
FUNCTIONAL STATE OF THE VESTIBULAR ANALYZER, BY
A. A. SVESHNIKOV, 7 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VIII, NO 9,
1963, PP 48-52.

JPRS 22120

SCI-BIOL & MED SCI
DEC 63

2X 243,005

DEPRESSION OF ANTIBODY PRODUCTION IN MONKEYS
AFTER GAMMA-IRRADIATION IN HIGH DOSES, BY
S. M. PEKERNAN, 6 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VIII, NO 9,
1963, PP 61-65

JPRS 22121

SCI-BIOL & MED SCI
DEC 63

243,006

THE MECHANISM OF ACTION OF PROTECTIVE-THERAPEUTIC
COMBINATIONS IN ACUTE RADIATION SICKNESS IN RATS,
BY T. N. PROTASOVA, 5 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VIII, NO 9,
1963, PP 66-68.

JPRS 22123

SCI-BIOL & MED SCI
DEC 63

243,008

Radioactive Chromium in the Study of the
Survival of Polycythemic Blood Transfused
() Patients With Chronic Leukemia, by
V. V. Shishkina, V. D. Sidora,
RUSSIAN, per, Mèditsinskaya Radiologiya,
Vol VIII, No 10, 1963, pp 18-20.
OTS TT-64-19684

Jan 67

317,909

Hemolysis in Radiation Sickness, by
M. G. Shitikova.
RUSSIAN, per, Mèditsinskaya Radiologiya,
Vol VIII, No 10, 1963, pp 20-25.
OTS TT-64-19685

Jan 67

317,910

DERMAL CHANGES IN THE VICINITY OF EXPOSURE FIELDS
LONG AFTER X-RAY AND GAMMA RAY THERAPY OF MALIGNANT
TUMORS, BY V. A. RAKHMANOV, L. D. LINDENBRATEN,
ET AL, 9 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VIII, NO 10,
1963, PP 43-47.

JPRS 22403

SCI-BIOL & MED SCI
DEC. 63

244,745

LATE RADIATION INJURIES OF THE BONES DUE TO
X-RAY THERAPY, BY I. I. FEDOROV, N P USHKOV,
6 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VIII, NO 10,
1963, PP 40-50.

JPRS 22403

SCI-BIOL & MED SCI
DEC 63

244,746

S-1084/63

Blood Changes Under the Effect of Prolonged Repeated
Roentgen-Ray Irradiation, by A. B. Rusakov,
Z. Ya. Vayner. (DC-10103)

RUSSIAN, per, Medit Radio, Vol VIII, No 10, 1963,
pp 50-52.

*JPRS

Sci - Biol. & Med Sci
Dec 63

FEATURES CHARACTERISTIC OF THE COURSE OF MYOCARDIAL
LESIONS IN RADIATION SICKNESS WHEN TRANSFUSIONS OF
BLOOD, BK-8, AND POLYGLUCIN ARE ADMINISTERED, BY
YU. B. KOFANOVA, 14 PP.

RUSSIAN, PER, MEDIC RADILOGIYA, VOL VIII, NO 10,
1963, PP 57-64.

JPRS 22403

SCI-BIOL & MED SCI
DEC 63

244,747

Blastomogenic Effect of Thorotrast in
Experimental Radiation Sickness, by
I. a. Chalisov, A. N. Kishkovskii.
RUSSIAN, per, Meditsinskaya Radiologiya,
Vol VIII, no 10, 1963, pp 65-71
OTS TT-64-19686

Sci

8

317,489

**The Main Principles in the Dispensary Care of Persons Working
with Sources of Ionizing Radiation and of Scientific Analysis
of the Results of Medical Observation of Them, by
A. K. Gus'kova, 9 pp.**

RUSSIAN, per, Medit Radiol, Vol VIII, No 11, 1963, pp 3-9.

JPRS 22879

**Sci-Biol & Med
Jan 64**

247, 990

Incorporation and Distribution of P³²
in Rabbit Eye Tissues, by Ts. P. Medvedovskaya
I. A. Likhtarev.
RUSSIAN, per, Meditsinskaya Radiologiya,
Vol VIII, No 11, 1963, pp 9-13.
OTS TT-64-19687

Jan 67

317,908

Treatment of Radiation Injuries of the Skin and mucous Membranes
With Chlorophyll-Carotene Paste, 5 pp, by L. M. Stukova,
S. V. Strutsoyskaya.

RUSSIAN, per, Medit Radiol, Vol VIII, No 11, 1963, pp 30-33.

JPRS 22879

Sci-Biol & Med
Jan 64

OTS-PT-64-19688
247, 091

**Possibility of Determining the Body's Reaction to Irradiation
With Small Doses of Ionizing Radiation by Means of Observation
of the Phosphate Treshold of the Retina, by V. Glavaty,
Z. Dienstbier, et al, 6 pp.**

RUSSIAN, per, Medit Radiol, Vol VIII, No 11, 1963, pp 47-50.

JPRS 22879

**Sci-Biol & Med
Jan 64**

247, 992

**The Effect of Preliminary Immunization With Living Vaccines on
the Course and Outcome of Radiation Sickness in Rabbits, by
A. M. Sudnov, 7 pp.**

RUSSIAN, per, Medit Radiol, Vol VIII, No 11, 1963, pp 55-59.

JPRS 22879

**Sci-Biol & Med
Jan 64**

247, 093

Distribution of P 32 in the Tissues of Fat Organs After the Effect
of Penetrating Radiation and the Administration of ACTH, by
P. I. Lomonos, A. Shamakhmudov, 8 pp.

RUSSIAN, per, Medit Radiol, Vol VIII, No 11, 1963, pp 59-63.

JPRS 22879

Sci-Biol & Med
Jan 64

247, 994

The Pathogenesis of Changes in the Blood
System During Chronic Irradiation, by
G. D. Baisogolov.
RUSSIAN, per, Meditinskaya Radiologiya,
Vol VIII, No 12, 1963, pp 25-30.
OTS TT-64-19722

Sci
Jan 67

317,546

Effectiveness of Early Use of Artificial Kidney in Dogs
Receiving Lethal Doses of Sr⁹⁰, by M. G. Petrovnik,
11 pp.
RUSSIAN, per, Medit Radiolog, Vol VIII, No 12, 1963,
pp 31-37.

JPRS 23678

Sci-Biol
Mar 64

251,993

The Effect of Complex-Forming Agents on the Magnitude of Renal Tissue Radiation Dosage With Administration of Radioactive Substances, by L. A. Il'in, T. A. Norets, et al, 8 pp.
RUSSIAN, per, Medit Radiolog, Vol VIII, No 12, 1963, pp 43-47.

JPRS 23678

**Sci-Biol
Mar 64**

251,994

**Experimental Data on Increased Resistance to Radiation
Sickness After Preliminary Administration of
Tetracyclines to Rats, by A. M. Dumova, O. O. Chirkova,
9 pp.
RUSSIAN, per, Medit Radiolog, Vol VIII, No 12, 1963,
pp 50-55.**

JPRS 23678

**Sci-Biol
Mar 64**

251,995