

S Y M P O S I U M
CLINICAL EFFECTS OF LOW RADIATION DOSES
ACUTE LEUKEMIA
BONE MARROW TRANSPLANTATION

**All-Union Symposium with participation
of foreign experts
(Gomel, June 18—20)**

Moscow, 1991

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CLINICAL EFFECTS OF LOW RADIATION DOSES

ACUTE LEUKEMIA

BONE MARROW TRANSPLANTATION

All-Union Symposium with participation of
foreign experts (Gomel, June 18-20)

Organizers : Ministry of Health of the USSR
 Ministry of Health of Byelorussia
 All-Union Scientific Centre for Hematology
 Gomel Medical Institute

Moscow, 1991.

GENERAL INFORMATION

Arrival to Moscow June 15-16, 1991, Social programme.
June 17th - Departure from Moscow to Gomel by bus.
June 18-20 - Scientific programme
June 20 - Departure to Kiev by steamer
June 21 - Social programme in Kiev
June 22 - Leaving Kiev for home

Official languages - Russian, English

Technical possibilities - Projectors for slides 5 x 5 cm will be available.

The text and the illustrations for posters are to be presented before the session on the instruction of the secretary.

The arrangement of the materials is done on 1m x 1m poster.

The symposium will take place from June 18th to 20th, 1991 in the Conference Hall of the holiday hotel 'Golden Sands'.

Sessions start at 9.00 a.m.

Time for presentations - 15 minutes, for discussion - 5 min.

P L A N O F W O R K

June 17th, 1991, Monday

Arrival to Gomel, registration, accomodation.

June 18th, 1991, Tuesday.

9.00 - 9.15

Opening Ceremony

9.15 - 14.00

1st Session : Clinical Effects of Low Radiation
Dozes

(Break 11.30 - 12.00)

14.00 - 15.00

Lunch
Optional Lectures
Social and Cultural Events

June 19th, 1991, Wednesday

9.00 - 14.00

2nd Session: Clinical Effects of Low Radiation
Dozes

(Break 11.30 - 12.00)

14.00 - 15.00

Lunch
Optional Lectures
Social and Cultural Events

June 20th, 1991, Thursday.

9.00 - 14.00

3rd Session : A. Acute Leukemia
B. Bone Marrow Transplantation

(Break 11.30 - 12.00)

14.00 - 15.00

Lunch
Optional Lectures
Social and Cultural Events

SCIENTIFIC PROGRAMME

June 18th, 1991.

9.00 - 14.00

Opening Ceremony. Opening address by A.A.Grakhovsky, Chairman of the Gomel Regional Council

1st Session.

CLINICAL EFFECTS OF LOW RADIATION DOZES

Chairmen : Prof. A.I.Vorobiov

A.M.Yarchak

Prof. Yu.I.Bandazhevskiy

Secretary Dr. A.R.Martirosov, M.D.

BIOLOGICAL DOZIMETRY IN THE CLINIC OF RADIATION INJURIES

Prof. A.I.Vorobiov

USSR - 30 min.

DEVELOPING METHODS OF EPR-SPECTROMETRY OF TOOTH ENAMEL AND OTHER BIOLOGICAL MATERIALS FOR ASSESSMENT OF IRRADIATION DOZE

M.Ikeya, Japan

DETERMINATION OF ACCUMULATED DOZE OF GAMMA-RADIATION BY THE ENAMEL OF MILK AND PERMANENT TEETH

G.A.Klevezal

M.D.Brilliant

V.A.Selezhenkov

B.N.Mordvintsev

L.I.Sukhovskaya

N.L.Voevodskaya

A.F.Vanin

S.A.Khangulov

USSR, Moscow

RADIONUCLIDE DOZE ASSESMENT BY EPR OF BONE

M.Desrosiers, USA

CHROMOSOMAL DAMAGE INDUCED BY LOW RADIATION DOZES TO HUMAN LYMPHOCYTES

D.Lloyd, Great Britain.

PRINCIPLES OF GENETIC MONITORING UNDER THE EFFECT OF LOW DOSES
RADIATION

Acad. N.P.Bochkov
USSR,Moscow

USE OF CYTOGENETIC ANALYSIS OF BLOOD LYMPHOCYTES FOR DETERMINATION
OF INDIVIDUAL DOSES OF IRRADIATION

E.V.Domracheva
M.D.Brilliant
A.I.Vorobiov
USSR,Moscow

RESULTS OF CYTOGENETIC EXAMINATION OF VARIOUS POPULATION GROUPS
AFFECTED BY CHERNOBYL ACCIDENT

A.V.Sevankayev
USSR,Obninsk

CYTOGENETIC INDICATION OF LOW DOZE IRRADIATION AT THE INDIVIDUAL
AND THE POPULATION LEVELS

L.D.Kotosova
N.P.Bochkov
A.M.Chebotarev
USSR,Moscow

NEW METHOD OF BIOLOGICAL DOSIMETRY: CELL COUNT IN MEDULLAR HAIR
LAYER

C.Potten
Great Britain

WILL RADIATION FROM CHERNOBYL ACCIDENT CAUSE MORE LEUKEMIA?
WILL IT BE DETECTABLE?

R.Gale
USA

PROBLEMS OF EPIDEMIOLOGICAL ANALYSIS OF LEUKEMIA INCIDENCE
AMONG THE POPULATION AFFECTED BY RADIATION

I.V.Osechinsky
USSR,Moscow

P O S T E R S

PREVENTION OF GENETIC DAMAGES RESULTING FROM PROLONGED IRRADIATION
OF THE POPULATION

I.B.Musse
USSR,Minsk

CYTOGENETIC EFFECTS INDUCED BY RADIATION IN PERIPHERAL BLOOD LYMPHOCYTES OF CHILDREN IN RADIATION CONTAMINATED REGIONS OF BYELO-RUSSIA

S.P.Petrova
T.M.Kudina
M.P.Korskaya
USSR, Minsk

CLINICAL AND CYTOLOGICAL ASPECTS OF CHRONIC IRRADIATION OF CHILDREN OF KALUGA REGION

I.I.Izmaylova
USSR, Obninsk

FIRST RESULTS OF THE STUDY OF HEMOBLASTOSIS RATE ON THE RADIATION CONTAMINATED TERRITORIES RESULTING FROM THE CHERNOBYL ACCIDENT

I.V.Osechinsky
E.P.Ivanov
K.M.Abdulkadyrov
A.P.Martirosov
G.V.Tolochko
I.G.Samuskevich

USSR, Moscow, Minsk, Leningrad

D I S C U S S I O N

June 19th, 1991.

9.00 - 14.00

2nd Session

CLINICAL EFFECTS OF LOW RADIATION DOSES

Chairmen: Prof. I.V.Osechinsky
A.A.Romanovsky
Prof.E.P.Ivanov

Secretary: Dr.P.V.Yaralova

RADIOBIOLOGICAL ASSAY OF THE ACTION OF LOW RADIATION DOSES

A.G.Konoplyannikov
USSR, Obninsk

STIMULATION OF CYTOKINE PRODUCTION AND CFU-FORMATION AND POSSIBLE RADIOPROTECTIVE EFFECTS BY POLYSACCHARIDE FRACTIONS ISOLATED FROM CUPRESSACEA THUJA OCCIDENTALE

R.Neth (FRG)
N.Drize(USSR)
O.Gan (USSR)

SPECIAL FEATURES OF LOW RADIATION ACTION, PROGNOSIS FOR CLINICAL EFFECTS AND THE POSSIBILITIES FOR THEIR CORRECTION

E.B. Burlakova
USSR, Moscow

RADIOBIOLOGICAL PROBLEMS OF CHERNOBYL

I.I. Pelevina
A.S. Sayenko
B.I. Synzinyz
USSR, Obninsk

EFFECTS OF LOW RADIATION DOSES UPON DISTANT RESULTS IN CHILDREN AFTER RADIATION THERAPY OF MALIGNANT TUMOURS

L.A. Durnov
G.B. Goldobenko
N.A. Lyutova
USSR, Moscow

EPR-SPECTROSCOPY OF PERYIPHERAL BLOOD CELLS AND THE EVALUATION OF THE ANTIOXIDANT STATUS IN CHILDREN AND ADULTS AFFECTED BY RADIO-ACTIVE POLLUTIONS

L.K. Pulatova
E.A. Neyfakh
G.F. Ivanenko
USSR, Moscow

PECULIARITIES OF POSTNATAL GROWTH OF CHILDREN BORN ON RADIATION POLLUTED TERRITORIES

Yu.I. Bandazhevsky
USSR, Gornostayevsk

ASSAY OF LIVER FUNCTIONAL STATE STUDY IN INDIVIDUALS AFFECTED BY IONIZING RADIATION

M.Yu. Antoshina
O.E. Ishuk
A.G. Magarlamov
USSR, Kiev

THE STRUCTURE OF CLINICAL AND IMMUNOLOGICAL CHANGES IN INDIVIDUALS PARTICIPATING IN THE LIQUIDATION OF THE CHERNOBYL ACCIDENT CONSEQUENCES

I.V. Oradovskaya
USSR, Moscow

CHANGES OF HEMATOLOGICAL AND IMMUNOLOGICAL INDICES IN DRIVERS PARTICIPATED IN TRANSPORT EVACUATION OF RESIDENTS OF PRIPYAT AND CHERNOBYL

A.F. Romanova
N.N. Tretyak
A.P. Doshuk
I.S. Dyagel

E.V.Chervyakova
I.Yu.Usmanskiy
S.P.Kraskova
USSR, Kiev

P O S T E R S

SOME DATA ON THE EXAMINATION OF THE INDIVIDUALS PARTICIPATED
IN THE LIQUIDATION OF THE CHERNOBYL ACCIDENT CONSEQUENSES

O.Yu.Udris
L.Yu.Ryauzova
D.Y.Solovey
L.Y.Grinberg
L.V.Velik
M.Y.Krishuna
S.V.Nikulshin
USSR, Riga

ANALYSIS OF THE INTERCONNECTION OF IMMUNOGENETIC MARKERS WITH
THE IMMUNOGLOBULIN LEVEL IN INDIVIDUALS AFFECTED BY IONIZING
RADIATION

E.N.Bay
R.P.Pavluk
USSR, Kiev

SOME CLINICAL AND LABORATORY PARAMETERS IN THE INDIVIDUALS
PARTICIPATED IN THE CHERNOBYL ACCIDENT LIQUIDATION

Z.S.Skorobogatova
L.S.Rozanova
USSR, Sverdlovsk

DEVELOPMENT OF HEMATOLOGICAL DISEASES IN CHILDREN RESIDING IN
THE UCRAINE REGIONS UNDER CONTROL AFTER THE CHERNOBYL ACCIDENT

V.D.Drozdova
S.S.Girin
S.B.Donskaya
O.P.Medvedeva
G.I.Moroz
USSR, Kiev

ANALYSIS OF THE INTERCONNECTION OF IMMUNOLOGICAL MARKERS WITH
THE INDEXES OF THE LIVER FUNCTIONAL STATE IN THE INDIVIDUALS
AFFECTED BY IONIZING IRRADIATION

E.N.Bay
R.P.Pavluk
USSR, Kiev

TOXIC COMPLICATIONS FOLLOWING BONE MARROW TRANSPLANTATION

L.S.Lyubimova
V.G.Savchenko
L.P.Mendeleeva
USSR, Moscow

AUTOTRANSPLANTATION OF BONE MARROW IN CHILDREN WITH MALIGNANT
TUMOURS

G.L.Mentkevitch
A.S.Kolomeyskiy
USSR, Moscow

SPECIAL ASPECTS OF COMPATIBILITY IN ALLOGENOUS BONE MARROW TRAN-
SPLANTATION IN LEUKEMIA

A.P.Shpakova
T.I.Bulycheva
Moscow, USSR

RELAPSES IN AUTOLOGOUS BONE MARROW TRANSPLANTATION IN ACUTE
LEUKEMIA PATIENTS

L.P.Mendeleeva
V.G.Savchenko
L.S.Lyubimova
Moscow, USSR

D I S C U S S I O N

RESULTS OF THE CLINICAL EXAMINATION OF PEOPLE EVACUATED FROM
PRIPYAT

E.V.Domracheva
M.D.Brilliant
P.A.Vorobiov
N.E.Shklovsky-Kordi
A.N.Smirnov

USSR, Moscow

CHANGES IN THE IMMUNE STATUS AND PERYIPHERAL BLOOD IN RESIDENTS
OF KIEV AND KIEV REGION AFTER THE CHERNOBYL ACCIDENT

A.S.Zverkova
V.G.Komesarenko
V.P.Yevtukh
N.N.Tretyak

USSR, Kiev

D I S C U S S I O N

June 20th, 1991.

9.00 - 14.00

3rd Session

A.ACUTE LEUKEMIA

B.TRANSPLANTATION OF BONE MARROW

Chairmen : Prof. A.I.Vorobiov
Dr. V.G.Savchenko
Prof. G.I.Kozinets

Secretary : Dr.B.M.Darovskiy, M.D.

A.

AML AND THE CHANCE OF CHEMOTHERAPY (GERMAN STUDY RESULTS)

Th.Buechner
FRG

THERAPY OF ACUTE LYMPHOBLAST LEUKEMIA

D.Hoelzer
FRG

COMPARATIVE EVALUATION OF VARIOUS CHEMOTHERAPY SCHEMES FOR
ACUTE MYELOBLAST LEUKEMIA

M.A.Volkova
G.I.Kaletin
A.A.Perilov
USSR, Moscow

STUDY OF ST. JUDE CHILDREN'S RESEARCH HOSPITAL OF CLINICAL MANAGEMENT OF ACUTE LEUKEMIA PATIENTS

J. Simone

USA

PROTOCOLS FOR TYPOSPECIFIC THERAPY OF ACUTE LEUKEMIA IN CHILDREN

D. Pinkel

USA

CHEMOTHERAPY OF ACUTE LEUKEMIA

D. Lambertenghi

Italy

P O S T E R S

ACUTE LEUKEMIA IN COMBINATION WITH PARTIAL RED BLOOD CELL APLASIA OF BONE MARROW

A. V. Pivnik

A. M. Kremenetskaya

USSR, Moscow

MODULATION OF NORMAL AND LEUKEMIC HUMAN MARROW PROGENITOR GROWTH BY IL-3 OR GM-CFU ASSOCIATED TO IL-6

L. Lagneaux

C. De Bruyn

A. Delforge

D. Bron

P. Stryckmans

Belgium

EARLY DIAGNOSIS AND THERAPY OF SYSTEMIC MYCOTIC INFECTIONS IN ACUTE RADIATION AND CYTOSTATIC HEMODEPRESSIONS

E. E. Obukhova

S. G. Pushkareva

M. V. Konchalovsky

A. E. Baranov

USSR, Moscow

PRECLINICAL DIAGNOSIS OF NEUROLEUKEMIA

V. G. Vorobiov

S. A. Puchina

USSR, Nizhny Novgorod

THE ROLE OF SPECIAL TRAINING AND PSYCHOLOGICAL PREPARATION OF PATIENTS IN THE PRESENT THERAPY OF LEUKEMIA

N. E. Schklovsky-Kordi

USSR, Moscow

AML IN THE ELDERLY

E.N.Parovichnikova
V.M.Kotelnikov
V.G.Savchenko
E.V.Domracheva
USSR, Moscow

THE ROLE AND PLACE OF BONE MARROW TRANSPLANTATION IN THE THERAPY
OF ACUTE LEUKEMIA

V.G.Savchenko
L.S.Lyubimova
L.P.Mendeleeva
USSR, Moscow

GENERAL REVIEW ON BONE MARROW TRANSPLANTATION

S.Slavin
Israel

TRANSPLANTATION OF BONE MARROW IN ACUTE RADIATION DISEASE

A.E.Baranov
USSR, Moscow

AUTOTRANSPLANTATION OF HEMOPOIETIC STEM BLOOD CELLS IN PATIENTS
WITH HEMOBLASTOSES

M.Z.Alexanyan
USSR, Moscow

NEW APPROACHES FOR IMPROVING THE SAFETY AND OUTCOME FOLLOWING
BONE MARROW TRANSPLANTATION

S.Slavin
Israel

ALLOGENEIC VERSUS AUTOLOGOUS BMT VERSUS INTENSIVE CONSOLIDATION
IN ACUTE MYELOGENOUS LEUKEMIA IN FIRST REMISSION

P.Stryckmans
R.Zittoun
P.Mandelli
T.De Witte
S.Tura
G.Solbu
S.Suciu
Belgium

P O S T E R S

USE OF IONIZING RADIATION IN BONE MARROW TRANSPLANTATION - POTENTIALS AND LIMITATIONS

S.Slavin
Israel