International Symposium on Chernobyl Health Effects 2009

Organized by Global COE Program of Nagasaki University, Japan and Belarusian State Medical University

Dates – November 9-10, 2009
Venue - Belarusian State Medical University, Minsk

November 9

Welcome Addresses

09:00-09:05 - Opening Remarks
Valery Zharko, Minister of Public Health of the Republic Belarus

09:05-09:10 - Opening Remarks
Pavel Bespalychuk, Rector of Belarusian State Medical University, Minsk, Republic of Belarus

09:10-09:15 - Opening Remarks
Masahiro Takagi, Vice President of Nagasaki University

09:15-09:20 - Opening Remarks
Kiyoshi Matsuzaki, Charge d’Affaires at interim of Japan in the Republic of Belarus

09:20-09:30 - Introduction of Nagasaki Global COE Program
Shunichi Yamashita, Leader of GlobalCOE, Dean of Nagasaki University Graduate School of Biomedical Sciences, Director of Atomic Bomb Disease Institute, Nagasaki, Japan

Session 1: Genetic studies of thyroid cancer
Chairs: Shunichi Yamashita and Fumihiko Matsuda
09:35-09:55 – Analysis of DNA damage response gene polymorphisms in radiation-induced and sporadic thyroid cancer
Vladimir Saenko, Assistant Professor, Department of International Health and Radiation Research, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

09:55-10:15 - Genome-wide association study of radiation-induced childhood thyroid cancer using the Chernobyl cohort
Fumihiko Matsuda, Director, Center for Genomic Medicine Kyoto University Graduate School of Medicine, Kyoto, Japan

Session 2: Radiation epidemiology
Chairs: Yoshisada Shibata and Uladzimir Masiakin

10:15-10:35 - Noncancer risks among Chernobyl emergency workers of Russia
Sergey Chekin, Senior Researcher, National Radiation Epidemiology Register, Medical Radiological Research Center of RAMS, Obninsk, Russian Federation

Siamen Paliakou, Deputy Director for Informatics, Belarusian Center for Medical Technologies Computer Systems, Administration and Management of Health, Minsk, Republic of Belarus

10:55-11:15 - Individual elevation of frequency of somatic cells with TCR-mutations in liquidators decades after the Chernobyl accident
Alexander Saenko, Deputy Director of Medical Radiological Research Center of RAMS, Obninsk, Russian Federation

11:15-11:35 - Psychological and social situation among Chernobyl children
Nataliya Korol, WHO CO in Ukraine, NPO, Surveillance Officer, Consultant-Chief, Research Laboratory for Children Population Health, Research Center for Radiation Medicine (RCRM), Academy of Medical Science, Kiev, Ukraine

11:35-11:55 - Effects of the Chernobyl accident on the growth of children
Yoshisada Shibata, Global COE Professor, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

12:00-13:30 – Group photo and Lunch

**Session 3: Clinical and pathological features of Chernobyl thyroid cancer**

Chairs: Yuri Demidchik and Valentina Drozd

13:30-13:50 - Thyroid carcinomas in children and adolescents in Belarus

_Yuri Demidchik, Rector of Belarusian Medical Academy of Postgraduate Education, Minsk, Republic of Belarus_

13:50-14:10 - Clinico-morphological study of thyroid cancer detected as a result of four consecutive cycles of screening in the framework of the Ukraine-U.S. Thyroid Project

_Mykola Tronko, Director, V.P.Komissarenko Insitute of Endocrinology and Metabolism, Academy of Medical Sciences of Ukraine, Kiev, Ukraine_

14:10-14:30 - Comparative morphological analysis of papillary thyroid carcinoma in dependence on radiation doses after Chernobyl accident

_Alexander Abrosimov, Head, Division of Pathomorphology Endocrine Research Center, Moscow, Russian Federation_

14:30-14:50 - Clinical features of sporadic and radiation-induced papillary thyroid cancer in children, adolescents and young adults in Russia

_Pavel Rumyantsev, Senior Scientist, Department of Radiosurgery, Medical Radiological Research Center of RAMS, Obninsk, Russian Federation_

14:50-15:10 - Histopathology of childhood thyroid cancer in Belarus

_Alexander Nerovnja, Associate Professor, Department of Pathology, Belarusian State Medical University, Minsk, Republic of Belarus_

15:10-15:30 – Coffee Break
Session 4: Health and demographic effects in contaminated regions

Chairs: Noboru Takamura and Sergey Chekin

15:30-15:50 - Problem of demographic safety in territory of the Gomel area
Anatol Lyzikau, Rector of Gomel State Medical University, Gomel, Republic of Belarus

15:50-16:10 - Oncological and nononcological incidence among the affected population according to the Belarusian State Registry
Aliaksandr Razhko, Director, Republican Research Centre for Radiation Medicine and Human Ecology, Gomel, Republic of Belarus

16:10-16:30 - Screening effect estimation at analysis of results of thyroid diseases cohort study
Uladzimir Masiakin, Head of Epidemiology Division Republican Research Centre for Radiation Medicine and Human Ecology, Gomel, Republic of Belarus

16:30-16:50 - Study of the expression of cyclin genes complex in patients with various oncological diseases in Gomel region
Yauheni Varapayeu, Head, Research Center, Gomel State Medical University, Gomel, Republic of Belarus

18:00 -21:00 – Reception in restaurant “Genesis” (BSMU)

November 10

Session 5: Radioecology

Chairs: Alexander Saenko and Siamen Paliakou

09:30-09:50 - Radioecological, medical and biological consequences of the Chernobyl accident
Yauheni Kanaplia, Director of Institute of Radiobiology National Academy of Sciences of Republic of Belarus, Gomel, Republic of Belarus
09:50-10:10 - Analysis of accidents with radioactive sources in Ukraine territory over a period of last 20 years

Olga Tarasiuk, Research Officer, The Marzeev Institute of Hygiene and Medical Ecology of the Academy of Medical Sciences of Ukraine, Kiev, Ukraine

10:10-10:30 - Development of a novel monitoring device and system during radiation emergency

Noboru Takamura, Professor, Head, Department of Radiation Epidemiology, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

Session 6: Endocrine diseases and patients follow-up

Chairs: Larisa Danilova and Pavel Rumyantsev

10:30-10:50 - Endocrine Diseases in Post Chernobyl Period in Belarus

Larisa Danilova, Head, Department of Endocrinology, Belarusian Medical Academy of Postgraduate Education, Minsk, Republic of Belarus

10:50-11:10 - Prevalence of various thyroid diseases in Belarus

Valentina Drozd, Head, Thyroid Research Group, Belarusian Medical Academy of Postgraduate Education, Minsk, Republic of Belarus

11:10-11:30 - Current aspects in thyroid nodular disease in Belarusian patients

Maxim Lushchyk, Senior Research Fellow, Thyroid Research Group, Belarusian Medical Academy of Postgraduate Education, Minsk, Republic of Belarus

11:30-11:50 - Follow-up for reproductive health of patients after combination treatment of thyroid cancer

Irina Shimanskaya, Associate Professor, Department of Dermatovenerology, Belarusian Medical Academy of Postgraduate Education, Minsk, Republic of Belarus

12:00-13:30 - Lunch
Session 7: Morphological and molecular features of thyroid cancer
Chairs: Vladimir Saenko and Alexander Abrosimov,

13:30-13:50 - Efficacy of Molecular Tests in Initial Diagnostics of Thyroid Nodules
Svetlana Mankovskaya, Scientist, Institute of Physiology National Academy of Sciences of Republic of Belarus

13:50-14:10 - Inheritable forms of medullary thyroid carcinoma in Belarus: histological, clinical and molecular association
Pavel Kisialeu, Assistant Professor, Department of Pathology, Belarusian State Medical University, Minsk, Republic of Belarus

14:10-14:30 - Comparative analysis of E-cadherin, β-catenine and CD44 at differentiated and non-differentiated thyroid cancer
Tatiana Bich, Assistant Professor, Department of Pathology, Belarusian State Medical University, Minsk, Republic of Belarus

14:30-14:50 - Molecular diversity of papillary thyroid carcinoma assessed by simultaneous determination of tumor clonality and somatic oncogenic mutation
Tatiana Rogounovitch, Assistant Professor, Department of Molecular Medicine, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan

14:50-14:55 – Closing Remarks
Vasili Roudenok, Vice rector of Belarusian State Medical University, Minsk, Republic of Belarus

14:55-15:00 – Closing Remarks
Noboru Takamura, Professor, Head, Department of Radiation Epidemiology, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan