Second International Congress

"CURRENT ISSUES OF AVIATION MEDICINE"

dedicated to the 110th Anniversary of Aviation Medicine in Russia

Ministry of Transport of the Russian Federation
Federal Air Transport Agency of the Russian Federation (Rosaviatsia)
Aviation Medicine Doctors Association (AMDA)
European Society of Aerospace Medicine (ESAM)

31 October - 03 November 2019, Moscow

Dear Colleagues!

2019 is the year of 110th anniversary of aviation medicine in Russia.

Aviation Medicine Doctors Association (AMDA, Russia), that unites aviation medicine practitioners working to ensure flight safety in the Russian Federation and abroad, holds the Second International Congress to commemorate that important date.

During the last year after the First Moscow International Congress on current issues of aviation medicine there have been significant changes fostering development of aviation medicine both in the Russian Federation and globally. That is about integration of knowledge and expertise gained over more than a century of aviation medicine activities in Russia, as well as joint efforts of leading experts in the field of aviation medicine in Russia, the CIS countries and the European Society of Aerospace Medicine.

AMDA Congress has become a recognized meeting site for an open professional dialogue of leading experts from all aspects of the aerospace community united by mutual goals related to the most up-to-date medical provision for flight safety.

I wish all the participants of the Second International AMDA Congress, dedicated to the 110th anniversary of aviation medicine in Russia, successful and fruitful work.

President AMDA
Dr Elena Kolesnikova

PROGRAM

31 October 2019

Conference-hall «MOSCOW», Radisson Blu Hotel

08.00 – 09.00	**Registration**
09.00 – 09.30	**Opening Address** The Ministry of Transport of the Russian Federation, the Federal Air Transport Agency of the Russian Federation, the Social Insurance Fund, the Ministry of Health of the Russian Federation, Aerospace Medical Association (AsMA), Russian Association of Air Transport Operators, the Institute for Bio-Medical Problems of the Russian Academy of Sciences, the Trade Union of Russian crews, the Trade Union of Air Traffic Controllers of Russia
09.30 – 09.40	**Civil Aviation Medicine at the present stage**
09.40 – 09.50	**Aviation Medicine Doctors Association: its role in development of Civil Aviation Medicine in Russia** **Dr. Olga Verba**, D.Sc. of Medical Sciences, MD, Vice President of Aviation Medicine Doctors Association (AMDA, Russia), Vice President of European Society of Aviation Medicine (ESAM)
Plenary Session	**Aviation Medicine of Civil Aviation. 110 years in development** Presidium: V.Kniga, E.Kolesnikova, A.Zhadan
09.50 – 10.05	**Department of Aviation Medicine at "Russian Medical Academy of Continuing Professional Education" under the Ministry of Health of the Russian Federation: past, present, future.** **Dr. Viktor Kniga**, D.Sc. of Medical Sciences, Professor, Head of the Department of Aviation Medicine at «Russian Medical Academy of Continuing Professional Education» (RMACPE) under the Ministry of Health of the Russian Federation.
10.05 – 10.20	**Problems of Flight Safety Provision related to human factor. Central Clinical Hospital of Civil Aviation in the structure of medical provision of Civil Aviation in the Russian Federation** **Dr. Artyom Yurovsky**, PhD, MD, Head of Consultation Polyclinics of Central Clinical Hospital of Civil Aviation **Dr. Natalya Zabrodina**, D.Sc. of Medical Sciences, MD, Chief Officer of Central Clinical Hospital of Civil Aviation
10.20 – 10.40	**Round the world in 23 days** **Dr. Martin F. Hudson**, Vice President of the UK Association of Aviation Medical Examiners, Secretary of the European Society of Aerospace Medicine (ESAM) Advisory Board
10.40 – 10.55	**Sixty years of Aviation Medicine in Kyrgyzstan** **Aynura Toktonazarova**, Senior Inspector in Aviation Medicine for the Civil Aviation Agency under the Ministry of Transport and Roads of Kyrgyz Republic
10.55 – 11.10	**Questions. Discussion**

11.10 – 11.40	Coffee break
I Session	**Medical Provision of Flight Safety.** **Medical Risks Management** Moderators: E. Martynycheva, E. Cataman, O. Kotov
11.40 – 11.55	**Analysis of the health status of aviation personnel according to the annual survey** **Dr. Boris Potievsky**, PhD, Chairman of the Central Flight Expert Medical Commission of Civil Aviation, Associate Professor of Aviation and Space Medicine at "Russian Academy of Continuing Medical Education"
11.55 – 12.10	**Preventive medicine as a tool of medical risks management for flight Safety** **Dr. Elena Cataman**, Director of ESAM Executive Committee, Chief specialist of Aviation Medicine Aviation Authorities of the Republic of Moldova
12.10 – 12.25	**Risk management regarding psychoactive substances misuse by crew members at PJSC "Aeroflot"** **Olga Vishnyakova**, Head of Medical Centre at PJSC «Aeroflot» (Russia)
12.25 – 12.40	**Perspectives of enhancing the system of medical provision of flight safety in Civil Aviation of Belarus Republic** **Aleksandr Zhadan**, Director of the State Institution «CA Medical service», Ministry of Health of Belarus
12.40 – 13.00	**Screening of cardiovascular risks in asymptomatic air transport pilots** **Dr. Ries Simons,** MD, Consultant Aerospace Medicine, Medical Adviser for Netherlands Organization for Applied Scientific Research, Co-Chair of Advisory Board of European Society of Aerospace Medicine, Board Member of European Pilot Peer Support Initiative
13.00 – 13.15	**Expert solutions to deal with comorbid diseases** **Dr. Galina Biryukbaeva**, MD, D.Sc. of Medical Sciences, neurologist for Central Flight Expert Medical Commission of Civil Aviation
13.15 – 13.30	**Stress ECG testing at Flight Expert Medical Assessment** **Dr. Aleksey Dorofeev**, MD, cardiologist for Central Flight Expert Medical Commission of Civil Aviation
13.30 – 13.50	**Assessment of procedure of instrumental correction of blood pressure** **Dr. Svetlana Borodina**, primary physician at Central Clinical Hospital of Civil Aviation
13.50 – 14.00	**Questions. Discussion**
14.00 – 14.50	**Lunch**
14.50 – 15.05	**About current issues of hygienic regulations in aviation medicine** **Dr. Igor Bukhtiyarov**, D.Sc. of Medical Sciences, Professor, Honoured Scientist of the Russian Federation, Corresponding Member of Russian Academy of Sciences, Head of "Academic Research Institute of Occupational Medicine by Izmerov" **Dr. Evgeniy Zibarev**, PhD, Deputy Head for scientific work at «Academic Research Institute of Occupational Medicine by Izmerov»

15.05-15.20	**Formation factors of a health disorder among members of civil aviation flight crews** **Dr. Prof. Nadezhda Simonova**, D.Sc., Director of the science department at JC «Klin institute of labor safety and conditions» **Dr. Elena Adeninskaya**, PhD, Head of Research Center of Civil Aviation Pathology and Occupational Health at Central Clinical Hospital of Civil Aviation
15.20 – 15.30	**The Impact of lack of physical activity in air traffic controllers** **Dr. Vlasta Brozicevic,** MD, specialist in physical medicine and rehabilitation, rheumatology, Policlinic Terme, Croatia
15.30 – 15.45	**Theoretical and practical aspects of medical assessment of correlation between illnesses and occupation in civil aviation flight crews** **Dr. Elena Adeninskaya**, PhD, Head of Research Center of Civil Aviation Pathology and Occupational Health at Central Clinical Hospital of Civil Aviation
15.45 – 16.00	**Anti-doping in air sports** **Dr. Geoffrey W. McCarthy**, MD, MBA, DipAvMed, President, Therapeutic Use Exemption Committee, Fédération Aéronautique Internationale (FAI)
16.00 – 16.10	**Questions. Discussion**
16.10 – 16.30	Coffee break
II Session	**Passengers' Health** Moderators: A. Zhadan, A. Mosin
16.30 – 16.45	**Medical assistance via remote technologies as one of service directions at Scientific and Methodological Centre of Medical Provision for Civil Aviation** **Mikhail Morozov**, Director of Scientific and Methodological Centre of Medical Provision for Civil Aviation at State Research Institute of Civil Aviation
16.45 – 17.00	**What we don't know about jet lag** **Prof. Eduard Missoni,** MD, PhD., Head of lecture Aviation Medicine, Faculty of Transport and Traffic Sciences, University of Zagreb, Croatia
17.00 – 17.15	**Long-haul air travel and passenger health** **Dr. Ries Simons**, MD, Consultant Aerospace Medicine, Medical Adviser for Netherlands Organization for Applied Scientific Research, Co-Chair of Advisory Board of European Society of Aerospace Medicine, Board Member of European Pilot Peer Support Initiative
17.15 – 17.30	**Over the issue of medical provision for passengers** **Dr. Nina Mirkina**, PhD, "Russian Medical Academy of Continuing Professional Education" under the Ministry of Health of the Russian Federation
17.30 – 17.45	**"Doctor on Board" Programme and practical implementation by Russian airlines operators** **Aleksandr Mosin**, Chief of Medical Service at JSC «Sheremetyevo International Airport»
17.45 – 18.00	**Questions. Discussion**

01 November 2019

Conference-hall «MOSCOW», Radisson Blu Hotel

III Session	**Trainings in aviation medicine and medical flight expertise for Chiefs and experts of FEMC CA. Courses and trainings for AMEs. Other issues of aviation medicine** Moderator: T. Krapivnitskaya
09.00 – 09.15	**Issues of certification for aviation medical practitioners and nurses** **Dr. Svetlana Dzhergeniya**, PhD, Department of Occupational Medicine, aerospace medicine and diving medicine at Federal State Autonomous Educational Institution of Higher Education I.M. Sechenov First Moscow State Medical University of the Ministry of Health of the Russian Federation (Sechenov University)
09.15 – 09.30	**Features of continues training for AMEs in the interest of medical provision for Civil Aviation of Belarus Republic** **Dr. Yuriy Sokolov**, PhD, Medical Colonel, Associate Professor, Military Medicine Faculty at Belarusian State Medical University, Republic of Belarus
09.30 – 09.45	**Professional training for medical practitioners at the Department of Aviation and Space Medicine, "Russian Medical Academy of Continuing Professional Education" under the Ministry of Health of the Russian Federation** **Dr. Tatyana Krapivnitskaya**, D.Sc. of Medical Sciences, Professor of Aviation and Space Medicine «Russian Medical Academy of Continuing Professional Education» under Ministry of Health of the Russian Federation
09.45 – 09.55	**Training in aviation flight medical assessment at Central Clinical Hospital of Civil Aviation and Central Flight Expert Medical Comission** **Dr. Elena Kolesnikova**, PhD, Deputy of Head of the Department, the Federal Air Transport Agency of the Russian Federation (Rosaviatsia)
09.55 – 10.10	**Do we need harmonization of the aeromedical decisions?** **Dr. Olivier Manen**, MD, Professor, col. health service, Head of medicine department in Aeromedical Centre of Percy Army Training Hospital, AB Chair at SOFROMAS, AB member at ESAM, France
10.10 – 10.25	**Report of the winner of the Contest for Young Scientists. Award ceremony**
10.25 – 10.40	**Recognition Ceremony for distinguished specialists in aviation medicine**
10.40 – 11.00	**Coffee break**
IV Session	**Flight Safety and Mental Health of Aviation Personnel. Current issues of psychological provision of aviation staff professional activities and solutions. Human Factor in Civil Aviation** Moderators: E. Surina, T. Illarionova-Zavalkina
11.00 – 11.15	**Capacity of professional reliability of a pilot and the role a psychologist in its provision** **Prof. Dr. Valeriy Kozlov**, D.Sc. of Medical Sciences, Member of Expert Board at Federal Air Transport Agency (Rosaviatsiya)

11.15 – 11.30	**The role of an AME in psychological assessment as part of a standard medical examination** **Dr. Martin F. Hudson**, Vice President of the UK Association of Aviation Medical Examiners, Secretary of the European Society of Aerospace Medicine (ESAM) Advisory Board
V Session	**PSP Workshop by European Pilot Peer Support Initiative (EPPSI)** Moderators: R. Simons, E. Kataman
11.30 – 12.10	**How Peer Support was initiated by Russian Pilots** **Hans Rahmann**, Flight Captian (ret.) and Director, Stiftung Mayday (Mayday Foundation), Germany
12.10 – 12.20	Discussion
12.20 – 12.40	**How is Stiftung Mayday organized, what are our experiences** **Gerhard Fahnenbruck**, Clinical Director, Stiftung Mayday (Mayday Foundation), Germany
12.40 – 13.20	**Mental well-being in aviation and the relevance of psychological assessment and support** **Dr. Robert Bor**, Clinical Psychologist, Co-director of Centre for Aviation Psychology Ltd, the UK
13.20 – 13.30	Discussion
13.30 – 14.00	**Peer to Peer Support for Pilots: Time for a holistic approach** **Gunnar Steinhard**, Human Factors Manager, Cargolux Airlines International
14.00 – 14.10	**Questions. Discussion**
14.10 – 15.00	**Lunch**
IV Session	**Continued** **Flight Safety and Mental Health of Aviation Personnel. Current issues of psychological provision of aviation staff professional activities and solutions. Human Factor in Civil Aviation** Moderators: N. Yakimovich, E. Surina
15.00 – 15.15	**Low level of mental functions among pilots as a risk factor for flight safety and a way to prevent it** **Dr. Nadezhda Yakimovich**, PhD, Senior Research Associate, Research Department, Russian Technological University by K.E. Tsiolkovsky
15.15 – 15.30	**Human Factor – professional expertise of a person employed in civil aviation** **Tatyana Illarionova-Zavalkina**, Chair of Expert Board at Federal Air Transport Agency (Rosaviatsiya), Deputy Director of HR Department at PJSC “Aeroflot”
15.30 – 15.45	**Psychological provision management in the system of air traffic services** **Maksim Yablokov**, Member of Expert Board at Federal Air Transport Agency (Rosaviatsiya), senior specialist on personnel development and training, Federal State Unitary Enterprise “State ATM Corporation”
15.45 – 16.00	Discussion

16.00 – 16.10	**Decreased mental function in older pilots and issues of flying longevity** **Olga Kuzmina**, Psychologist, Polar Airlines
16.10 – 16.20	**Human factor and psychological awareness (readiness) of aviation personnel** **Dr. Natalya Revenko**, PhD, Senior Specialist - Psychologist, FSUE "State Corporation for the Organization of Air Traffic Management in the Russian Federation", branch of "Air Navigation of the Far East"
16.20 – 16.30	**Development and implementation of fatigue risks management system** **Dr. Eleonora Surina**, PhD, Director of the Department of Aviation Accident Prevention and Flight Safety, Volga-Dnepr Airlines Group
16.30 – 16.40	**Innovative approach to joint trainings for civil aviation pilots and ATCs: methodology and implementation practices** **Dr. Maria Alekseenko**, PhD, Research Associate, Research Scientific Center of Military Ergonomics under the Ministry of Defence of the Russian Federation
16.40 – 16.50	Discussion
16.50 – 17.00	**Psychological support of aviation specialists with hypertension** **Ekaterina Khondoshko**, medical psychologist for Flight Expert Medical Commission of "State Corporation for ATM" Branch "Air Navigation of Central Siberia"
17.00 – 17.10	**Correlation of attention selectivity with individual typological features of air traffic controllers** **Ilona Kocharyan**, Head of Psychological Department, PJSC "Aeroflot"
17.10 – 17.20	**Trends observed by pilots in the field of behavioral attitudes and features of short-term memory** **Natalya Vyalchina**, Leading Psychologist, Lecturer of PJSC "Aeroflot"
17.20 – 17.30	**New computer test for "combined activity" and verification of its validity for professional selection** **Vladimir Chironov**, Leading Researcher, Russian Technological University by K.E. Tsiolkovsky
17.30 – 17.45	**Questions. Discussion**
17.45 – 18.30	**Conclusions and adoption of resolution on Second International Congress "Current Issues of Aviation Medicine"**

02 November, 2019

Conference-hall at Central Clinical Hospital of Civil Aviation

10.00 – 10.15	**Overview of activities at Central Clinical Hospital of Civil Aviation** **Dr. Artyom Yurovskiy**, PhD, head of Consultation Policlinics of Central Clinical Hospital of Civil Aviation, cardiologist for Flight Expert Medical Commission of Civil Aviation
10.15 – 13.00	**Central Hospital of Civil Aviation technical tour**
VI Session	**Round-table: Medical Assessment and Flight Expert Medical Examination of Civil Aviation personnel** Moderators: E. Kolesnikova, B. Potievsky *Event for members of Flight Expert Medical Comission of Civil Aviation of Russia (requires preliminary reservation)

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