THE RUSSIAN-ChINESE CONGRESS
on Medical Microbiology, Epidemiology
and Clinical Mycology
(XX Kashkin’s Readings)

14-16 June 2017
Saint-Petersburg

PROGRAMME

Venue:
Hotel «Saint-Petersburg», Pirogovskaya embankment, 5/2
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Conference on Medical Mycology (XX Kashkin’s Readings) ........................................................................ p. 6, 10, 11, 16, 18, 23, 28, 32, 34

Conference «Modern Epidemiology – a multidisciplinary platform» (with National Association of Specialists in Control of Health Care-Associated Infections, NP NASCI) ........................................................................ p. 5, 13, 14, 15, 20, 24, 27, 28, 29, 30, 32, 33

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Expert meeting of the Committee of the Ministry of Healthcare of the Russian Federation on «Epidemiology» .................................................................................. p. 5

The meeting of the Heads of the epidemiology departments of Russian medical universities (exit meeting) ........................................................................ p. 14

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XX Kashkin’s Readings
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June 14, 2017

Registration ........................................................................................................................................ from 8:00

CONGRESS-HALL

OPENING CEREMONY ...................................................................................................................... 9:00 – 9:20

S.A. KraevoY – Deputy Minister of Healthcare of the Russian Federation
G.S. Poltavchenko – Governor of Saint-Petersburg
O.G. Khurtsilava – Rector of the North-Western State Medical University named after I.I. Mechnikov
A.V. Mityanina – Vice-governor of Saint-Petersburg
Guo Min – Consul General of the Chinese People Republic in Saint-Petersburg
T. Ulrichs – Representative of the Russian-German Forum named after R. Koch and I.I. Mechnikov, professor of the Berlin AKKON University

PLENARY SESSION ............................................................................................................................ 9:20 – 11:50

Co-chairs: N.I. Briko, Zhang Fengmin, N.V. Vasilyeva

9:20 – 9:45 Traditions and new paradigm of the medical mycology development in Russia
N.V. Vasilyeva
Saint-Petersburg, Russia

9:45 – 10:10 Development of whole genome sequencing analysis for foodborne pathogen investigations in China
Xu Jianguo
Beijing, China

10:10 – 10:35 National epidemiology in the era of changes: postulates of the past and theories of the new time
N.I. Briko
Moscow, Russia

10:35 – 11:00 Detection of carbapenemase producing organisms
Patrick Murray
USA

11:00 – 11:25 Modulation of the bacterial small RNA on the homeostasis of autophagy in the BCG infected host cells
Zhang Fengmin
Harbin, China

11:25 – 11:50 Microbiologic diagnostics capacities in the era of drug resistance
A. van Belkum
The Netherlands

BREAK ................................................................................................................................................. 11:50 – 12:20
SYMPOSIUM (PG1 «Bacteriology»):  
Molecular-genetic methods in the system of microbiological monitoring  
Urgent topics of molecular epidemiology  
12:20 – 14:00

Co-chairs: Li Fan, I.V. Abaev,

12:20 – 12:35 Molecular epidemiology – an implementation of the newest scientific achievements in  
epidemiology  
A.P. Solomennyi  
Perm, Russia

12:35 – 13:00 Application of genomic-barcode in infectious disease prevention  
Xin Zhuoyuan  
Jilin, China

13:00 – 13:20 On the origin of the epidemic clones of the nosocomial pathogens  
A.E. Goncharov  
Saint-Petersburg, Russia

13:20 – 13:35 Genetic variety of Staphylococcus aureus, isolated from hospitalized patients with acute  
invasive and chronic infectious  
O.A. Dmitrenko  
Moscow, Russia

13:35 – 13:50 Genome analysis of Staphylococcus aureus strains, causative agents of massive  
outbreaks of foodborne illness during 2013-2015 in Russia  
I.V. Abaev, Y.P. Skryabin, A.A. Kislochkina, O.V. Korobova, A.G. Bogun  
Obolensk, Russia

Discussion, 10 min.

RUSSIAN-GERMAN SYMPOSIUM:  
Drug resistance of pathogenic microorganisms – G20 countries’ response  
to the global contemporary challenge  
12:20 – 14:00

Joint session of the NWSMU named after I.I. Mechnikov and the Consulate General of the Federal  
Republic of Germany on occasion of the German Presidency of the G20 (invitation required)

Co-chairs: O.G. Khurtsilava, Eltje Aderhold

GREETING  
12:20 – 12:40

Eltje Aderhold – Consul General of the Federal Republic of Germany in Saint-Petersburg

O.G. Khurtsilava – Rector of the North-Western State Medical University named after I.I.  
Mechnikov

12:40 – 13:10 Experience of Germany in control of antibiotic resistance prevalence as a part of joint  
activities of countries of G20  
T. Ulrichs  
Germany
13:10 – 13:40 Antibiotics resistance in Russia and in the World: lessons of the past and a look into the future
R.S. Kozlov
Smolensk, Russia
Discussion, 20 min.

HALL «STRELNA»

SYMPOSIUM (PG5 «Virology»):
Viral hepatitis pathogens ................................................................. 12:20 – 14:00
Co-chairs: M.I. Mikhailov, Lu Fengmin

12:20 – 12:35 Vaccine prophylaxis of A and B hepatitis: achievements and problems still to be solved
M.I. Mikhailov
Moscow, Russia

12:35 – 12:55 The percentage and severity of HBV-related acute-on-chronic liver failure patients result from irregular medication of nucleos(t)ide analogues
Li Yongguo
Harbin, China

12:55 – 13:10 Clinical and epidemiologic characteristics of hepatitis E in Russia
E.Yu. Malinnikova
Moscow, Russia

13:10 – 13:30 An E2 Glycosylation mutant with enhancer of inducible cellular and neutralizing anti-body responses as a novel potential therapeutic vaccine for the treatment of Hepatitis C Virus infection
Zhang Xiaolian
Wuhan, China

13:30 – 13:45 Development of hepatitis E vaccine
K.K. Kyuregyan
Moscow, Russia

13:45 – 14:00 Potential use of serum HBV RNA to guide chronic hepatitis B antiviral therapy
Lu Fengmin
Beijing, China
Discussion

HALL «VYBORG»

EXPERT MEETING OF THE COMMITTEE
of the Ministry of Healthcare of the Russian Federation on Epidemiology .......... 12:20 – 14:00
Co-chairs: L.P. Zueva, N.I. Briko

12:20 – 12:40 Personnel potential of epidemiologists of medical organizations of the Russian Federation
N.I. Briko, R.V. Polibin
Moscow, Russia

12:40 – 12:55 Job experiences of the head epidemiologist of the North-Western Federal Region of Russia
L.P. Zueva, B.I. Aslanov
Saint-Petersburg, Russia
<table>
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<th>Time</th>
<th>Presentation</th>
<th>Speaker(s)</th>
<th>Location</th>
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<tbody>
<tr>
<td>13:10 – 13:25</td>
<td>Assurance of epidemiologic safety of patients in medical organizations in Pskov region</td>
<td>T.A. Nyunyushkina</td>
<td>Pskov, Russia</td>
</tr>
<tr>
<td>13:25 – 13:40</td>
<td>National association of specialists in health care associated infections control activities: results and new goals</td>
<td>N.I. Briko¹, O.V. Kovalishena²</td>
<td>Moscow¹, Nizhny Novgorod²; Russia</td>
</tr>
<tr>
<td>13:40 – 14:00</td>
<td>On the development and revision of the federal clinical recommendations in catheter-related bloodstream infections and infection in surgical interventions</td>
<td>E.B. Brusina¹, O.V. Kovalishena²</td>
<td>Moscow¹, Nizhny Novgorod², Russia</td>
</tr>
</tbody>
</table>

**ROUND-TABLE TALK:**
Development and revision of the federal clinical recommendations in catheter-related bloodstream infections and infection in surgical interventions
Chair: N.I. Briko

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**SYMPOSIUM (PG4 «Infectious diseases»):**
Infectious complications in oncological patients .................................................................................. 12:20 – 14:00

Co-chairs: N.V. Dmitrieva, Yu. E. Melekhina

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<tbody>
<tr>
<td>12:20 – 12:40</td>
<td>Peculiarities of antimicrobial therapy in patients with sepsis</td>
<td>I.N. Petuhova</td>
<td>Moscow, Russia</td>
</tr>
<tr>
<td>12:40 – 13:00</td>
<td>Gram-positive and Gram-negative microorganisms’ resistance at the preset stage</td>
<td>N.V. Dmitrieva</td>
<td>Moscow, Russia</td>
</tr>
<tr>
<td>13:00 – 13:15</td>
<td>Candidemia in oncology: taxonomic structure and resistance</td>
<td>N.S. Bagirova</td>
<td>Moscow, Russia</td>
</tr>
<tr>
<td>13:15 – 13:30</td>
<td>Pulmonary mycosis caused by <em>Acremonium</em> spp. in patients with acute myelogenous leukaemia</td>
<td>Yu. E. Melekhina</td>
<td>Saint-Petersburg, Russia</td>
</tr>
</tbody>
</table>

Discussion, 15 min.
INTEGRATED SYMPOSIUM:

Onychomycosis................................................................. 12:20 – 14:00

Co-chairs: K.I. Raznatovskiy, L.P. Kotrekhova

12:20 – 12:40 Challenges in onychomycosis diagnosis and treatment (supported by «Sandoz»)
K.I. Raznatovskiy
Saint-Petersburg, Russia

12:40 – 13:00 Rational chemotherapy of nail’s fungi diseases (supported by «Sandoz»)
L.P. Kotrekhova
Saint-Petersburg, Russia

13:05 – 13:30 Modern approaches to mycoses therapy (supported by «VEROPHARM»)
A.V. Chaplygin
Saint-Petersburg, Russia

13:30 – 13:50 Correlations of tinea pedis treatment effectiveness by topic antimycotics and clinical course of the disease (supported by «Egis-Rus»)
T.V. Sokolova
Moscow, Russia

Discussion, 10 min.

BREAK ................................................................. 14:00 – 15:00

LOBBY BEFORE CONGRESS-HALL

THE CONTEST OF SCIENTIFIC RESEARCH
FOR YOUNG SCIENTISTS AND STUDENTS ........................................ 14:00 – 15:00

CONGRESS-HALL

SYMPOSIUM (PG1 «Bacteriology»):
Sepsis: modern concept of pathogenesis, diagnosis and treatment .......... 15:00 – 18:20

Co-chairs: P. Murray, N.N. Klimko, S.A. Shlyapnikov

15:00 – 15:40 Rapid diagnostics of bloodstream infections and its influence on therapy results
Patrick Murray
USA

15:40 – 16:15 Modern recommendations in fungi sepsis diagnosis and treatment
N.N. Klimko
Saint-Petersburg, Russia

16:15 – 16:45 Sepsis etiology in HIV patients
V.Yu. Zhuravlev
Saint-Petersburg, Russia

16:45 – 16:55 BREAK

16:55– 17:05 Express-diagnosis of bacteremia. Experiences of the diagnostic microbiology laboratory of the N.N. Blokhin Russian oncology centre
N.S. Bagirova
Moscow, Russia
### Russian-Chinese Congress in Medical Microbiology, Epidemiology and Clinical Mycology

#### 17:05 – 17:25
How to use capacities of a bacteriological laboratory in diagnosis of bacteremia (fungimia) effectively
**S.V. Polikarpova, S.V. Zhilina**
Moscow, Russia

#### 17:25 – 17:50
Microbiological justification of empiric and goal-oriented therapy of sepsis
**S.V. Sidorenko**
Saint-Petersburg, Russia

#### 17:50 – 18:10
Modern conception of sepsis
**S.A. Shlyapnikov**
Saint-Petersburg, Russia

**Discussion, 10 min.**

### HALL «SAINT-PETERSBURG»

#### ENLARGED MEETING
OF THE FEDERAL TEACHING METHODOLOGICAL ASSOCIATION (FTMA)
«Health Sciences and Preventive Medicine»
New in the training of specialists in the medical and preventive profile ......................... 15:00 – 17:00

**Co-chairs: O.G. Khurtsilava, A.V. Meltcer, N.V. Vasilyeva**

<table>
<thead>
<tr>
<th>Time</th>
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<th>Location</th>
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<tbody>
<tr>
<td>15:00 – 15:20</td>
<td>FTMA activities in preparation of primary accreditation of graduated students of medical prophylaxis specialty</td>
<td><strong>O.G. Khurtsilava, A.V. Meltcer</strong></td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>15:20 – 15:40</td>
<td>Project of the Federal state educational standard for medical microbiologists</td>
<td><strong>N.V. Vasileva, O.E. Punchenko</strong></td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>15:40 – 16:00</td>
<td>Project of a professional standard «Specialist in medical microbiology»</td>
<td><strong>M.V. Shulgina</strong></td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>16:00 – 16:20</td>
<td>Role and functions of biologist in medical microbiology laboratory according to the project of the professional standard</td>
<td><strong>E.V. Alieva</strong></td>
<td>Stavropol, Russia</td>
</tr>
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**Discussion**

#### SYMPOSIUM:
MALDI-TOF mass-spectrometry in modern medical microbiology: achievements and perspectives ................................................................. 17:00 – 18:20

**Co-chairs: E.R. Raush, I.A. Riabinin**

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<th>Time</th>
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<tbody>
<tr>
<td>17:00 – 17:20</td>
<td>Phenotypic approaches to identification of mycelial fungi causing lung mycoses</td>
<td><strong>I.A. Riabinin</strong></td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>17:20 – 17:40</td>
<td>Mass-spectors heterogeneity of MRSA in their identification by MALDI-TOF mass-spectrometry</td>
<td><strong>A.S. Stepanov</strong></td>
<td>Saint-Petersburg, Russia</td>
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</table>
### 17:40 – 18:00
Use of MALDI-TOF mass-spectrometry in yeasts identification

**E.R. Raush**  
Saint-Petersburg, Russia

Discussion, 20 min.

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### Hall «Strelna»

#### SYMPOSIUM (PG5 «Virology»):

**Modern trends in viral infections pathogenesis and chemotherapy researches.** 15:00 – 18:20

**Co-chairs: E.P. Kharchenko, Zhong Zhaohua**

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>15:00 – 15:20</td>
<td>Human virome (virobiota): diversity, variability and conservatism</td>
<td>E.P. Kharchenko</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>15:20 – 15:40</td>
<td>Coronaviral infections in modern medicine</td>
<td>L.V. Osidak</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>15:40 – 16:00</td>
<td>From the function and structure of coronavirus methyltransferase to anti-viral drug development</td>
<td>Chen Yu</td>
<td>Wuhan, China</td>
</tr>
<tr>
<td>16:00 – 16:20</td>
<td>Modern paradigm of medical and sanitary virology</td>
<td>V.V. Malyshev</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>16:20 – 16:40</td>
<td>Human norovirus NS3 is an RNA helicase and inhibited by an FDA-approved small compound</td>
<td>Zhou Xi</td>
<td>Wuhan, China</td>
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**16:40 – 16:50**  
**BREAK**

<table>
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<th>Time</th>
<th>Title</th>
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<th>Location</th>
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<tbody>
<tr>
<td>16:50 – 17:10</td>
<td>Coxsackievirus B3 induces the formation of autophagosomes both in cardiac myocytes and fibroblasts</td>
<td>Zhong Zhaohua</td>
<td>Harbin, China</td>
</tr>
<tr>
<td>17:10 – 17:30</td>
<td>Syncytin-1, an immunosuppressive endogenous retroviral protein, acts as a bridge and trigger in human disease</td>
<td>Zhu Fan</td>
<td>Wuhan, China</td>
</tr>
<tr>
<td>17:30 – 17:50</td>
<td>Virus restriction factor BST-2 and its gene activation by CRISPR technology</td>
<td>Kenzo Tokunaga</td>
<td>Tokyo, Japan</td>
</tr>
<tr>
<td>17:50 – 18:10</td>
<td>Modern tendencies in epidemiology and prophylaxis of Ebola disease</td>
<td>V.V. Nechaev</td>
<td>Saint-Petersburg, Russia</td>
</tr>
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</table>

Discussion, 10 min.
### HALL «VYBORG»

**SYMPOSIUM (PG6 «Allergy and Immunology»):**

**Peculiarities of immune response in patients with bronchial asthma and allergic rhinitis**

15:00 – 16:40

Co-chairs: E.V. Frolova, Ya.I. Kozlova

<table>
<thead>
<tr>
<th>Time</th>
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<th>Lecturer</th>
<th>Institution</th>
</tr>
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<tbody>
<tr>
<td>15:00 – 15:25</td>
<td>The role of epithelial cells of the respiratory tract in the immune response</td>
<td>E.V. Frolova</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>15:25 – 15:45</td>
<td>Clinical and immunological characteristics of allergic bronchopulmonary aspergillosis in patients with bronchial asthma</td>
<td>Ya.I. Kozlova</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>15:45 – 16:10</td>
<td>Basophils activation test in the diagnosis of mycogenic allergy</td>
<td>A.E. Uchetvarkina</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>16:10 – 16:30</td>
<td>Sensitization of patients with allergic rhinitis</td>
<td>Ya.I. Kozlova</td>
<td>Saint-Petersburg, Russia</td>
</tr>
</tbody>
</table>

Discussion, 10 min.

**LECTURE (PG6 «Allergy and Immunology»):**

**Respiratory viruses, respiratory infections, antiviral**

16:40 – 18:20

N.V. Shabashova
Saint-Petersburg, Russia

Discussion, 10 min.

### HALL «LOMONOSOV»

**SYMPOSIUM (PG4 «Infectious diseases»):**

**Surgical treatment of mycoses**

15:00 – 16:40

Co-chairs: A.V. Elkin, S.D. Gorbunkov

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<tbody>
<tr>
<td>15:00 – 15:25</td>
<td>Surgical treatment of pulmonary mycotic diseases</td>
<td>A.V. Elkin, T.S. Basek, G.M. Bocherkin</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>15:50 – 16:10</td>
<td>Pulmonary chronic aspergillosis in patients with destructive tuberculosis</td>
<td>P.Yu. Evseev</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>16:10 – 16:30</td>
<td>Clinical case of medicinal surgery of invasive aspergillosis in adolescent with chronic granulomatosis</td>
<td>A.S. Maletin</td>
<td>Saint-Petersburg, Russia</td>
</tr>
</tbody>
</table>

Discussion, 10 min.
**SYMPOSIUM (PG4 “Infectious diseases”):**

**Mycoses of ENT**


16:40 – 17:05 Epidemiology and clinical mycology of ENT diseases

Moscow, Russia

17:05 – 17:25 Peculiarities of mucous membrane mycosis of upper respiratory tract

**E.V. Bezrukova**
Saint-Petersburg, Russia

17:25 – 17:45 Invasive aspergillosis of the paranasal sinuses in hematological patients in Saint-Petersburg

**S.L. Podkovalnikov**
Saint-Petersburg, Russia

17:45 – 18:10 Development of effective method of candidal laryngitis

**D.I. Krasnikova**
Moscow, Russia

Discussion, 10 min.

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**CHAPLIN-HALL**

**INTEGRATED SYMPOSIUM (supported by «VERTEX»):**

**Intradisciplinary approach to diagnosis and treatment of urogenital infections**

Co-chairs: K.I. Raznatovskiy, L.P. Kotrehova

15:00 – 15:20 Diagnosis and treatment algorithm of recurrent urogenital candidiasis

**K.I. Raznatovskiy**
Saint-Petersburg, Russia

15:20 – 15:45 Herpes genital. Individualized approach to diagnosis and treatment

**L.P. Kotrehova**
Saint-Petersburg, Russia

Discussion, 15 min.

**Session of the Head specialist in dermatology, venereology and cosmetology of the Health Committee of Saint-Petersburg**

16:00

**SYMPOSIUM (PG2 “Dermatology and Venereology”):**

**New methods of diagnosis, treatment and prophylaxis of syphilis**

Co-chairs: K.I. Raznatovskiy, A.B. Piryatinskaya

16:00 – 16:20 Syphilis is a socially significant infection. Development of the state system of control and prophylaxis

**K.I. Raznatovskiy**
Saint-Petersburg, Russia

16:20 – 16:40 Course of syphilis diseases today

**A.B. Piryatinskaya**
Saint-Petersburg, Russia
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<tr>
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| 16:40 – 17:00 | Specificities of clinical course, diagnosis and prophylaxis of neurosyphilis  
**A.V. Sevashevitch**  
Saint-Petersburg, Russia |
| 17:00 – 17:20 | Role of migrants in syphilis epidemiology in Saint-Petersburg  
**N.D. Solovieva**  
Saint-Petersburg, Russia |
| 17:20 – 17:40 | Major mistakes in treatment of patients with early syphilis forms according to results of expertise of quality of medical services  
**Ya.G. Petunova, I.O. Smirnova**  
Saint-Petersburg, Russia |

Discussion, 20 min.
EXIT SESSIONS (PG):
(auxiliary registration is required)
Free-of-charge transfer from the hotel «Saint-Petersburg» for registered participants

WORKSHOPS:
Registration is available on June, 14, 2017 8:00 – 11:00
in the hotel “Saint-Petersburg”, Saint-Petersburg, Pirogovskaya emb., 5/2

Saint-Petersburg City Hospital №14
Saint-Petersburg, Kosinova str., 19

WORKSHOP (40 trainees) (PG7 «Epidemiology»):
Organization of centralized sterilization wards ......................................................... 13:00 – 16:45
Coordinator: I.Yu. Blinovskaya (Saint-Petersburg, Russia)
- Organization of centralized sterilization wards
- Selection of disinfection regiments depending on the type of the clinical ward
- Review of new capacities of modern equipment
- Evaluation of the centralized sterilization ward activities effectiveness
Discussion, 10 min
TESTING (PG7 «Epidemiology»):
on specialty «Epidemiology» .......................................................... 16:45 – 17:15

Saint-Petersburg Saint Nicolas Pediatric City Hospital № 17
Saint-Petersburg, Dekabristov str, 40, lit. A

WORKSHOP (30 trainees) (PG8 «Epidemiology»):
Organization of a hospital hygiene and disinfection in an in-hospital premises .......... 13:00 – 16:45
Coordinator: E.V. Matveeva (Saint-Petersburg, Russia)
- Review of the modern problems in organization of a hospital hygiene and disinfection
- Demonstration of disinfection quality assessment methods
Discussion, 10 min
TESTING (PG8 «Epidemiology»):
on specialty «Epidemiology» .......................................................... 16:45 – 17:15

Saint-Petersburg K.A. Raukhfus Pediatric City Hospital № 19
Saint-Petersburg, Ligovskii pr., 8

WORKSHOP (20 trainees) (PG9 «Epidemiology»):
Epidemiologic safety assurance in an endoscopic ward ........................................ 13:00 – 16:45
Coordinator: A.A. Malashenko (Saint-Petersburg, Russia)
- Disinfection of endoscopic equipment
- Use of modern disinfection agents and methods to ensure epidemiologic safety in an endoscopic ward
Discussion, 10 min
TESTING (PG9 «Epidemiology»):
on specialty «Epidemiology» .......................................................... 16:45 – 17:15
WORKSHOP (20 trainees) (PG10 «Epidemiology»):
Organization of manipulations with medical wastes .............................................. 13:00 – 16:45

Coordinator: N.V. Khiekkanen (Saint-Petersburg, Russia)
- Disinfection and neutralization of medical wastes
- Demonstration of modern equipment for assurance of epidemiological safety in multidisciplinary hospital

Discussion, 10 min

TESTING (PG10 «Epidemiology»):
on specialty «Epidemiology» .................................................................................. 16:45 – 17:15

THE MEETING
OF THE HEADS OF THE EPIDEMIOLOGY DEPARTMENTS
OF RUSSIAN MEDICAL UNIVERSITIES:
(invitation required)

Department of Epidemiology, Parasitology and Disinf ectology
of the North-Western State Medical University named after I.I. Mechnikov
Saint-Petersburg, Piskarevskii pr. 47, bld. 2/4

THE MEETING
of the heads of the epidemiology departments
of medical universities of Russia .............................................................................. 15:00 – 17:00

Chair: L.P. Zueva

Topics for discussion:
- Actual problems of accreditation of the graduates of medical and prophylaxis departments
- Distant training in pre-graduate and postgraduate training
- Organization of practical training of students and attending physicians
- Organization of joint multicenter studies in modern epidemiology
**OPENING CEREMONY**

of the All-Russian scientific conference
«Modern epidemiology – interdisciplinary platform» ................................. 9:00 – 9:30

O.G. Khurtsilava — Rector of the North-Western State Medical University named after I.I. Mechnikov, doctor of medical sciences, professor

A.V. Meltcer — Vice-Rector for Preventive Medicine of the North-Western State Medical University named after I.I. Mechnikov, doctor of medical sciences, professor

N.I. Briko — Head specialist-epidemiologist of the Ministry of Healthcare of Russia, doctor of medical sciences, professor, member of the Russian Academy of Sciences

**PLENARY SESSION I (PG3 «Epidemiology»):**

Modern epidemiology – interdisciplinary platform .............................................. 9:30 – 11:10

**Co-chairs:** L.P. Zueva, Tseven Badamsuren

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:30 – 10:00</td>
<td>Antimicrobial resistance: from microbiologic monitoring to epidemiologic surveillance</td>
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<td>S.R. Eremin</td>
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<td>Geneva, Switzerland</td>
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<td>10:00 – 10:20</td>
<td>Modern platform of the HAI prevention</td>
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<tr>
<td></td>
<td>L.P. Zueva, V.I. Prisacar², E.B. Brusina³, O.V. Kovalishena⁴, A.V. Lubimova¹</td>
</tr>
<tr>
<td></td>
<td>Saint-Petersburg, Kishinev², Kemerovo³, Nizhny Novgorod⁴; Russia¹,³,⁴, Moldova²</td>
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<tr>
<td>10:20 – 10:40</td>
<td>Epidemiology of oncologic diseases in Mongolia</td>
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<td>Tseven Badamsuren</td>
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<td>Mongolia</td>
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<tr>
<td>10:40 – 11:00</td>
<td>Personification of individual prophylaxis of emerging malignant neoplasms</td>
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<td>V.L. Stasenko, N.G. Shirlina, D.M. V’ushkov et al.</td>
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<td>Omsk, Russia</td>
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</table>

Discussion, 10 min.

**SYMPOSIUM (PG1 «Bacteriology»):**

Antibiotic resistance – a threat of the XXI century I ........................................ 9:30 – 11:10

**Co-chairs:** E.N. Ilyina

<table>
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<tr>
<th>Time</th>
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<tr>
<td>9:30 – 10:15</td>
<td>Current and future laboratory assays for AMR</td>
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<td>A. van Belkum</td>
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<td>The Netherlands</td>
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<tr>
<td>10:15 – 11:00</td>
<td>Gut microbiota resistome</td>
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<td></td>
<td>E.N. Ilyina</td>
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<td>Moscow, Russia</td>
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</tbody>
</table>

Discussion, 10 min.
HALL «STRELNA»

LECTURE (PG6 «Allergy and Immunology»):
Mycogenic allergy. Modern diagnosis and treatment .................................................. 9:30 – 11:10
A.V. Sobolev
Saint-Petersburg, Russia
Discussion, 10 min.

HALL «VYBORG»

LECTURE (PG4 «Infectious diseases»):
Modern recommendations in diagnosis and treatment of aspergillosis ...................... 9:30 – 11:10
N.N. Klimko
Saint-Petersburg, Russia
Discussion, 10 min.

HALL «LOMONOSOV»

SYMPOSIUM:
Etiology of mycoses ........................................................................................................ 9:30 – 11:10

Co-chairs: T.S. Bogomolova, I.A. Riabinin
9:30 – 9:55 Laboratory diagnosis of fusariosis
T.S. Bogomolova
Saint-Petersburg, Russia

9:55 – 10:20 Methods of fungi antimyotic susceptibility testing
E.R. Raush, I.V. Vybornova
Saint-Petersburg, Russia

10:20 – 10:40 Laboratory diagnosis of Malassezia-associated diseases
T.V. Bogdanova
Saint-Petersburg, Russia

10:40 – 11:00 Morphologic polymorphism of Aspergillus spp.
I.A. Riabinin
Saint-Petersburg, Russia

Discussion, 10 min.

CHAPLIN-HALL

SYMPOSIUM (PG2 «Dermatology and Venereology»):
Epidemiology, diagnosis and treatment of dermatomycosis ........................................ 9:30 – 11:10

Co-chairs: T.V. Sokolova, T.V. Medvedeva
9:30 – 9:50 Trichophytia: the analysis of common diagnostic errors
T.V. Medvedeva
Saint-Petersburg, Russia

9:50 – 10:10 Molecular genetic characteristics of dermatomycetes. Fundamental and clinical aspects
I.M. Pchelin
Saint-Petersburg, Russia
10:10 – 10:30  The features of diagnosing and treating of foot onychomycosis in elderly and senile people in St. Petersburg and Leningrad region  
**E.N. Tsurupa, N.V. Vasilyeva, K.I. Raznatovsky**  
Saint-Petersburg, Russia

10:30 – 10:50  Occurrence and features of the course of foot mycosis in patients of multidisciplinary medical institution  
**T.V. Sokolova, K.V. Montes Rosel, A.P. Malyarchuk**  
Moscow, Russia

Discussion, 20 min.

**BREAK**

**CONGRESS-HALL**

**PLENARY SESSION II (PG3 «Epidemiology»):**

**Modern epidemiology – interdisciplinary platform**

**Co-chairs: I.V. Feldblum, B.I. Aslanov**

11:20 – 11:40  Modern problems of vaccine prophylaxis  
**I.V. Feldblum**  
Perm, Russia

11:40 – 12:00  Approaches to generation of the population’s attitude to immunoprophylaxis  
**Y.A. Mindlina, R.V. Polibin**  
Moscow, Russia

12:00 – 12:15  Assessment of influenza effect on pregnancy outcomes  
**Z.P. Kalinina**  
Saint-Petersburg, Russia

12:15 – 12:30  Zoonotic healthcare associated infections  
**A.D. Botvinkin**  
Irkutsk, Russia

12:30 – 12:45  Infectious diseases epidemiologic surveillance based on modern web-technologies  
**B.I. Aslanov, N.Yu. Pshenichnaya, N. Rakhmanova, V.A. Melnik**  
Russia, USA, Ukraine

12:45 – 13:00  Assessment of adherence of physicians to the principles of clinical epidemiology and evidence-based medicine  
**R.V. Polibin, A.A. Gerasimov**  
Moscow, Russia

Discussion
INTEGRATED SATELLITE SYMPOSIUM (supported by «Pfizer»):
Sepsis 3: the concept and reality ................................................................. 11:20 – 12:35
Co-chairs: N.N. Klimko, S.A. Shlyapnikov
11:20 – 11:45 New recommendations in treatment of sepsis
S.A. Shlyapnikov
Saint-Petersburg, Russia
11:45 – 12:10 How to improve fungi sepsis treatment outcomes?
N.N. Klimko
Saint-Petersburg, Russia
12:10 – 12:35 Sepsis in immune compromised patients
O.V. Goloshchapov
Saint-Petersburg, Russia
Discussion

SYMPOSIUM (PG5 «Virology»):
Respiratory viruses: new in pathogenesis and clinics .................................... 11:20 – 13:00
Co-chairs: E.G. Golovacheva, Chen Mingzhou
11:20 – 11:35 Molecular genetics analysis of influenza A viruses during 2016-2017 epidemic season
A.V. Fadeev
Saint-Petersburg, Russia
11:35 – 11:55 The immune response to natural influenza infection and vaccination: clinical and immunological monitoring
E.G. Golovacheva
Saint-Petersburg, Russia
11:55 – 12:15 Human macrophage like cell line U937: a cell model suitable for antiviral and anti-inflammatory drug discovery
Chen Xulin
Wuhan, China
12:15 – 12:35 An amino acid of human parainfluenza virus type 3 phosphoprotein is critical for formation of a soluble N0-P complex
Chen Mingzhou
Wuhan, China
12:35 – 12:50 Selection of therapeutic approach for treatment of patients with respiratory infections
V.A. Isakov
Saint-Petersburg, Russia
Discussion, 10 min.

EXPERT MEETING
of the Head specialist for clinical microbiology and antimicrobial resistance of North-Western Federal Region of the Russian Federation .................................. 11:20 – 13:00
Chair: N.V. Vasilyeva
SYMPOSIUM (PG6 «Allergy and Immunology»):

Immunological aspects of aspergillosis and candidiasis.................................................. 11:20 – 13:00

Co-chairs: Ya.I. Kozlova, A.A. Kalashnikova

11:20 – 11:45 Clinical and immunological characteristics of allergic broncho-pulmonary aspergillosis in patients with cystic fibrosis
Ya.I. Kozlova
Saint-Petersburg, Russia

11:45 – 12:10 Chronic aspergillosis in patients with cystic fibrosis
Yu.V. Borzova
Saint-Petersburg, Russia

12:10 – 12:30 The importance of neutrophil markers for candidiasis and bacterial sepsis
A.A. Kalashnikova
Saint-Petersburg, Russia

12:30 – 12:45 Analysis of immune characteristics of patients with mycogenic sensitization
L.V. Filippova
Saint-Petersburg, Russia

Discussion, 15 min.

SYMPOSIUM (PG2 «Dermatology and Venereology»):

Development of the dermatologic and venereologic medicinal aid system in Saint-Petersburg.................................................. 11:20 – 13:00

Co-chairs: V.Y. Dudko, I.A. Gorlanov

11:20 – 11:50 Stage of reorganization of the medicinal aid system on dermatology and venereology
V.Y. Dudko
Saint-Petersburg, Russia

11:50 – 12:20 Peculiarities of sexually transmitted and infective skin diseases and dermatoses morbidity in Saint-Petersburg and Russia in 1996-2016
O.V. Gayvoronskaya
Saint-Petersburg, Russia

12:20 – 12:35 Actual problems of pediatric medicinal aid system on dermatology and venereology in Saint-Petersburg
I.A. Gorlanov
Saint-Petersburg, Russia

12:35 – 12:50 Accreditation of specialists – dermatologists and capacities of resident and distant courses in the continues medical education system
R.A. Ravodin
Saint-Petersburg, Russia

Discussion, 10 min.

BREAK ......................................................................................................................... 13:00 – 14:00
Russian-Chinese Congress in Medical Microbiology, Epidemiology and Clinical Mycology

LOBBY before CONGRESS-HALL

POSTER SESSION .......................................................... 13:00 – 14:00

CONGRESS-HALL

SYMPOSIUM (PG1 «Bacteriology»):
Antibiotic resistance – a threat of the XXI century II .................................................. 13:45 – 15:30

Co-chairs: V.V. Gostev, N.V. Ivanchik

13:45 – 14:15 Emerging problems of antibiotic resistance in Russia
S.V. Sidorenko
Saint-Petersburg, Russia

14:15 – 14:45 News in MRSA epidemiology and antibiotic resistance
V.V. Gostev
Saint-Petersburg, Russia

N.V. Ivanchik
Smolensk, Russia

Discussion

CEREMONY devoted to the 70th anniversary
of Epidemiology, Parasitology and Disinfectology Department
of the North-Western State Medical University named after I.I. Mechnikov ............................ 15:30 – 18:00


Demonstration of the film devoted to the 70th anniversary
of Epidemiology, Parasitology and Disinfectology Department
of the North-Western State Medical University named after I.I. Mechnikov ............................ 16:00 – 16:30

Greetings .......................................................................................................................... 16:30 – 18:00

HALL «SAINT-PETERSBURG»

SYMPOSIUM:
Quality management in the medical microbiological laboratory ........................................ 14:00 – 15:40

Co-chairs: M.V. Shulgina, P. Murray

14:00 – 14:15 Quality management principles in the medical laboratory
M.V. Shulgina
Saint-Petersburg, Russia

14:15 – 14:45 Quality management in the automated microbiological laboratory
P. Murray
USA

14:45 – 15:00 Experience in quality management implementing in the bacteriological laboratory of the multi-profile hospital in the Krasnodar territory
I.A. Nizhegorodtseva
Krasnodar, Russia

20
15:00 – 15:15  Quality management in bacteriological laboratories of Russia’s anti-tuberculosis service: achievements and problems  
D.V. Vakhrusheva  
Ekaterinburg, Russia

15:15 – 15:30  Implementation of the requirements of GOST ISO 15189 in a microbiological laboratory: from unconscious ignorance to his awareness of ignorance  
O.E. Orlova  
Moscow, Russia

Discussion, 10 min.

**INTEGRATED SYMPOSIUM:**  
Biological therapy in the treatment of severe forms of psoriasis  
15:50 – 16:30  
Co-chairs: K.I. Raznatovskiy, A.V. Samtsov

15:50 – 16:10  Genetically engineered drugs in the treatment of severe forms of psoriasis: myths and realities  
V.R. Hayrutdinov  
Saint-Petersburg, Russia

16:10 – 16:30  Unsolved questions of therapy of psoriasis and psoriatic arthritis. New possibilities for their solution (supported by Celgene international holdings corporation)  
A.V. Samtsov  
Saint-Petersburg, Russia

**SYMPOSIUM:**  
Molecular epidemiology and pathogenesis of *Mycobacteria tuberculosis* complex  
16:30 – 18:10  
Co-chairs: A.A. Vyazovaya, M.V. Alvarez-Figueroa

16:30 – 16:55  A quantitative approach for the selection of MIRU-VNTR locus for discriminating divergent of *Mycobacterium tuberculosis* sublineages  
Ling Hong  
Harbin, China

16:55 – 17:15  Molecular characterization of *Mycobacterium tuberculosis* clinical isolates from TB patients with different HIV-status in the Omsk region, Russia  
A.A. Vyazovaya, O.A. Pasechnik, M.P. Tatarintseva, O.V. Naruskaya, I.V. Mokrousov  
Saint-Petersburg - Omsk, Russia

17:15 – 17:35  Molecular analysis of gene mutations associated with multidrug-resistance in *Mycobacterium tuberculosis* isolates from patients with tuberculosis in Moscow  
Moscow, Russia

17:35 – 17:55  Changes in methabolism of *Mycobacterium tuberculosis* Beijing B0-W148 cluster against the background of anti-tuberculosis therapy  
Moscow – Saint-Petersburg, Russia

Discussion, 15 min.
### SYMPOSIUM (PG6 «Allergy and Immunology»):

**Microorganisms, infection, immunity**

14:00 – 17:30

Co-chairs: N.B. Serebrianaya, A.E. Taraskina

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 14:00 – 14:25 | Porcine reproductive and respiratory syndrome virus (PRRSV) up-regulates IL-8 expression through TAK-1/JNK/AP-1 pathways  
Feng Wenhai  
Beijing, China |
| 14:25 – 14:50 | Identify miRNAs modulated inflammatory responses of monocytes and CD4+ T cells in chronic HIV-1 infection  
Zhang Xiaoyan  
Shanghai, China |
| 14:50 – 15:10 | Platelets as cells of antimicrobial immunity  
N.B. Serebrianaya  
Saint-Petersburg, Russia |
| 15:10 – 15:30 | T-helpers subtypes population analysis with multicolor flow cytometry  
I.V. Kudryavtsev  
Saint-Petersburg, Russia |
| 15:30 – 15:40 | **BREAK**                                                                                 |
| 15:50 – 16:20 | TRAIL induces apoptosis through downregulating DcR1 and DcR2  
Hou Wei  
Wuhan, China |
| 16:20 – 16:50 | Thymic homing of activated CD4+ T cells induces degeneration of the thymic epithelium through excessive RANK signaling  
Yu Zhang  
Beijing, China |
| 16:50 – 17:10 | Molecular-genetic markers of invasive mycoses development risk markers: focusing on immune system proteins  
A.E. Taraskina  
Saint-Petersburg, Russia |
| 17:10 – 17:20 | Immunopathogenesis of abdominal syndrome in influenza  
D.V. Isakov  
Saint-Petersburg, Russia |

Discussion, 10 min.

### TESTING (PG6 «Allergy and Immunology»):

on specialty «Allergy and Immunology»

17:30 – 18:30
**HALL «VYBORG»**

**ENLARGED MEETING**
OF THE FEDERAL TEACHING METHODOLOGICAL ASSOCIATION (FTMA)
«Health Sciences and Preventive Medicine»

**ROUND-TABLE TALK:**
On the preparation of the primary accreditation of graduates of medical-prophylaxis specialties ................................................................. 14:00 – 15:25

Co-chairs: A.V. Meltcer, O.G. Khurtsilava

**SYMPOSIUM (PG4 «Infectious diseases»):**
**Mycoses – new risk factors** ................................................................. 15:50 – 17:30

Co-chairs: M.A. Shevyakov, O.V. Shadrivova

<table>
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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Location</th>
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<tbody>
<tr>
<td>15:50 – 16:10</td>
<td>Differentiating diagnosis of gastrointestinal mycosis</td>
<td>M.A. Shevyakov</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>16:10 – 16:30</td>
<td>Invasive aspergillosis as a complication of severe influenza (H1N1, H3N2)</td>
<td>O.V. Shadrivova</td>
<td>Saint-Petersburg, Russia</td>
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<tr>
<td>16:30 – 16:45</td>
<td>Chronic pulmonary aspergillosis as a complication of infliximab treatment</td>
<td>O.P. Kozlova</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>16:45 – 17:00</td>
<td>Cryptococcosis in a patient with idiopathic CD4+ thrombocytopenia</td>
<td>Yu. E. Melekhina</td>
<td>Saint-Petersburg, Russia</td>
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<tr>
<td>17:00 – 17:15</td>
<td>Invasive mycoses in patients with Kartagener’s syndrome</td>
<td>E.A. Desyatik</td>
<td>Saint-Petersburg, Russia</td>
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Discussion, 15 min.

**HALL «LOMONOSOV»**

**SYMPOSIUM:**
Causative agent subtyping methods in investigations of outbreaks of foodborne infections ................................................................. 14:00 – 15:40

Co-chairs: A.A. Poryn, L.A. Kaftyreva

<table>
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<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>14:00 – 14:20</td>
<td>Russian experience of subtyping of pathogenic enterobacteria in group diseases cases investigations</td>
<td>K.V. Kuleshov, A.N. Guseva</td>
<td>Moscow, Russia</td>
</tr>
<tr>
<td>14:20 – 14:35</td>
<td>Subtyping of pathogens for global surveillance of foodborne infections</td>
<td>A.A. Poryn</td>
<td>Saint-Petersburg, Russia</td>
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<tr>
<td>14:35 – 14:50</td>
<td>Genotypes of the causative agent of typhoid fever, registered in the Russian Federation in 2005-2016</td>
<td>S.A. Egorova</td>
<td>Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>14:50 – 15:05</td>
<td>Subtyping of enterohemorrhagic <em>Escherichia coli</em> strains</td>
<td>M.A. Makarova</td>
<td>Saint-Petersburg, Russia</td>
</tr>
</tbody>
</table>
15:05 – 15:20 Analysis of genetic variants of the *Staphylococcus aureus* strain of genetic line CC1, a causative agent of an outbreak of food infection in Yakutsk in 2015

**Y.P. Skryabin, A.A. Kislichkina, O.V. Korobova, A.G. Bogun, I.V. Abaev**
Obolensk, Russia

15:20 – 15:40 Epidemiological concordance: genotyping or serotyping of *Salmonella?*

**L.A. Kaftyreva**
Saint-Petersburg, Russia

Discussion

**WORKSHOP (supported by BECTON DICKINSON B.V.)**
Pre-analytic stage of clinical microbiological assays ................................................................. 15:50 – 16:45

**INTEGRATED SYMPOSIUM (supported by Johnson & Johnson)**
Provision of sterility and functionality of high-tech tools for processing in low-temperature sterilization systems .......................................................... 16:45 – 17:30


16:45 – 17:15 Provision of sterility and functionality of high-tech tools in accordance with modern Russian and international standards

**E.A. Petrova**
Saint-Petersburg, Russia

17:15 – 17:45 How the use of STERRAD systems helps to save expensive tools and ensure their sterility

**I.Yu. Drobyshev**
Moscow, Russia

**TESTING (PG5 «Virology»):**
on specialty «Virology» ........................................................................................................... 17:30 – 18:30

**CHAPLIN-HALL**

**INTEGRATED SYMPOSIUM:***
Dermatoses and dermatomycoses ................................................................. 14:00 – 15:40

Co-chairs: **K.I. Raznatovskiy, L.P. Kotrekho**

14:00 – 14:15 Demodex folliculorum role in etiopathogenesis of rosacea and methods of its complex therapy (supported by «Galderma»)

**K.I. Raznatovskiy**
Saint-Petersburg, Russia

14:15 – 14:30 Efficiency and safety balance of therapy evaluated from a position of modern concept of dermatoses (supported by «Glenmark Impex»)

**E.R. Araviyskaya**
Saint-Petersburg, Russia

14:30 – 14:45 Skin mycoses. What are the news? (supported by «Glenmark Impex»)

**L.P. Kotrekho**
Saint-Petersburg, Russia

14:45 – 15:00 Onychomycosis and associated pathologies: diagnosis, therapy and prophylaxis (supported by «Sandoz»)

**S.A. Lykova**
Novosibirsk, Russia
15:00 – 15:15 Modern approaches to skin mycoses therapy (supported by «Glenmark Impex»)
A.V. Samtsov
Saint-Petersburg, Russia

15:15 – 15:30 Optimization of anogenital wart therapy (supported by «Glenmark Impex»)
S.V. Klyuchareva
Saint-Petersburg, Russia

Discussion, 10 min.

**SYMPOSIUM (PG2 «Dermatology and Venereology»):**
New skin diseases diagnosis and treatment methods ........................................... 15:50– 17:30

**Co-chairs: S.K. Klibson, S.K. Klyuchareva**

15:50 – 16:15 Diagnostic errors of skin neoplasms in dermatological practice
S.V. Klyuchareva
Saint-Petersburg, Russia

16:15 – 16:40 Dermatooncology: precancer skin diseases
S.K. Klibson
Saint-Petersburg, Russia

16:40 – 17:00 Dermatoskopy importance in practice of dermatologist
A.A. Vashkevich
Saint-Petersburg, Russia

17:00 – 17:20 Clinical case: experience of cooperation with specialists in gravitation blood surgery in treatment of a patient with porphyria cutanea tarda and severe somatic pathology
N.S. Grigorieva
Saint-Petersburg, Russia

Discussion, 10 min.

**SYMPOSIUM (PG2 «Dermatology and Venereology»):**
Modern methods of dermatological and sexually transmitted diseases diagnosis and treatment ........................................... 17:30 – 19:00

**Co-chairs: I.O. Smirnova, A.V. Chaplygin**

17:30 – 17:50 Herpes genitales – making decision on therapy (results of medical aid quality expertise)
I.S. Kolova, I.O. Smirnova
Saint-Petersburg, Russia

17:50 – 18:10 Medical and legal problems in routine practice of dermatologist in diagnosis of dermatological and sexually transmitted diseases
A.V. Chaplygin
Saint-Petersburg, Russia

18:10 – 18:30 Rare dermatosis in dermatovenereologist practice
V.A. Piryatinskaya
Saint-Petersburg, Russia

18:30 – 18:50 Differentiating diagnosis of frequently occurring dermatosis of ano-genital area
I.O. Smirnova
Saint-Petersburg, Russia

Discussion, 10 min.
**SYMPOSIUM (PG1 «Bacteriology»):**
Prevalence and mechanisms of resistance to β-lactam antibiotic in Gram-negative bacteria

**Co-chairs:** D.V. Tapalski, N.K. Fursova

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:00 – 9:20</td>
<td>Carbapenemases. Unrecognized threat&lt;br&gt;<strong>I.V. Lazareva</strong>&lt;br&gt;Saint-Petersburg, Russia</td>
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<tr>
<td>9:20 – 9:35</td>
<td>Prevalence of resistance conferring genes blaNDM, blaOXA, blaKPC in <em>Klebsiella pneumoniae</em> clinical isolates&lt;br&gt;<strong>T.A. Vodopianova</strong>&lt;br&gt;Saint-Petersburg, Russia</td>
</tr>
<tr>
<td>9:35 – 9:55</td>
<td>Hospital isolates of <em>Klebsiella pneumoniae</em>, carrying metal-β-lactamase gene NDM-1&lt;br&gt;<strong>A.I. Lev</strong>&lt;br&gt;Moscow region, Russia</td>
</tr>
<tr>
<td>9:55 – 10:10</td>
<td>Novel beta-lactamase gene into class 1 integron detected in <em>Pseudomonas aeruginosa</em> hospital strain&lt;br&gt;<strong>N.K. Fursova</strong>&lt;br&gt;Obolensk, Russia</td>
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<tr>
<td>10:10 – 10:30</td>
<td>Kinetics of growth and competitiveness of XDR <em>Klebsiella pneumoniae</em> strains&lt;br&gt;<strong>D.V. Tapalski</strong>&lt;br&gt;Gomel, Belarus</td>
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**Discussion, 10 min.**

**SYMPOSIUM:**
New mechanisms of resistance and targets of antibacterial drugs

**Co-chairs:** S.V. Sidorenko, L.H. Kamaletdinova

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<td>10:40 – 11:10</td>
<td>Emerging problems of antibiotic resistance in Russia&lt;br&gt;<strong>S.V. Sidorenko</strong>&lt;br&gt;Saint-Petersburg, Russia</td>
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<td>11:10 – 11:30</td>
<td>The role of TOLC in the physiology of <em>Serratia marcescens</em>&lt;br&gt;<strong>L.H. Kamaletdinova, M.R. Sharipova, L.M. Bogomolnaya</strong>&lt;br&gt;Kazan, Russia</td>
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<td>11:30 – 11:40</td>
<td>MacAB efflux system <em>Serratia marcescens</em> SM6 - the target for producing new antimicrobial agents&lt;br&gt;<strong>T.V. Shirshikova</strong>, L.H. Kamaletdinova, L.E. Matrosova, I.V. Hilyas, M.R. Sharipova, L.M. Bogomolnaya&lt;br&gt;Kazan, Russia</td>
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<td>11:40 – 11:50</td>
<td>Decoding the new mechanism of gonococcal resistance due to the changes in the membrane protein composition&lt;br&gt;<strong>I.N. Bodoev, M.V. Malakhova, O.V. Pobeguts, I.O. Butenko, E.Yu. Khlebus, A.I. Manolov, I. Altukhov, V.G. Zgoda, E.N. Ilyina, V.M. Govorun</strong>&lt;br&gt;Moscow, Russia</td>
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The influence of a biocompatible polymeric compound on the formation of microbial biofilms with opportunistic gram-negative bacteria

Saratov, Russia

Discussion, 10 min.

HALL «SAINT-PETERSBURG»

SYMPOSIUM (PG3 «Epidemiology»):
Epidemiology and prevention of healthcare-associated infections......................... 9:00 – 12:10

Co-chairs: O.V. Mironenko, V.I. Sergevnin

9:00 – 9:30  The assessment of epidemiological safety level of endoscopic interventions in the gastrointestinal and respiratory tracts
T.A. Grenkova, E.P. Selkova, V.A. Aleshkin
Moscow, Russia

9:30 – 9:50  About the structural and functional component of the computerized patient record
M.G. Daryina, E.R. Tsoi, A.S. Zahvatova
Saint-Petersburg, Russia

9:50 – 10:20  Assessing the risk of HIV patients to be infected with tuberculosis in a hospital environment
V.I. Sergevnin, E.V. Saromometov, O.E. Mikova
Perm, Russia

10:20 – 10:50  The management of the medical waste handling system in accordance with the modern legislation requirements
O.V. Mironenko
Saint-Petersburg, Russia

10:50 – 11:10  Aerosol disinfection in the prevention system and EMS
I.G. Tehova
Saint-Petersburg, Russia

11:10 – 11:30  Uniform medical and technical requirements for the equipment for medical waste neutralization
N.V. Zinova
Saint-Petersburg, Russia

11:30 – 11:45  Features of central venous catheters colonization in newborns in the ICU
Moscow, Russia

11:45 – 12:00  The management of the sanitary-antiepidemic regime in the centers of the beauty industry
H.K. Magomedov
Saint-Petersburg, Russia

Discussion, 10 min.

HALL «STRELNA»

WORKSHOP:
Hand hygiene of medical staff................................................................. 9:00 – 10:30

Co-chairs: A.V. Lubimova, L.P. Zueva
9:00 – 9:20 Different aspects of medical staff hand hygiene
I.G. Tehova
Saint-Petersburg, Russia

9:20 – 9:40 The project of the Baltic Antibiotic Resistance collaborative Network (BARN) "Hand Hygiene of Medical Staff"
B. Litsi
Uppsala, Sweden

9:40 – 10:00 The results of the project of the Baltic Antibiotic Resistance collaborative Network (BARN) "Hand hygiene of medical staff" in Russia
A.V. Lubimova
Saint-Petersburg, Russia

10:00 – 10:10 Modern methods for monitoring the quality of medical staff hand hygiene
P. Jantzen
Germany

10:10 – 10:30 Demonstration: "Modern methods for assessing the quality of hand hygiene"
P. Jantzen
Germany

**SYMPOSIUM** (PG4 «Infectious diseases»):
Topical problems of candidiasis diagnosing and treating ................................................. 10:30 – 12:10
Chair: V.Ya. Kunelskaya, A.M. Shevyakova

10:30 – 10:50 Etiology of recurrent vulvovaginal candidiasis in Saint-Petersburg in 2003-2016
O.N. George
Saint-Petersburg, Russia

10:50 – 11:10 Treatment of recurrent vulvovaginal candidiasis: new possibilities
Yu.V. Dolgo-Saburova
Saint-Petersburg, Russia

11:10 – 11:30 *Candida* tonsillitis and candidiasis adenoiditis as complications after antibiotic treatment in children
V.Y. Kunelskaya
Moscow, Russia

11:30 – 11:50 The problem of conflict in case of unreasonable prescription of antifungal drugs
A.M. Shevyakova
Saint-Petersburg, Russia

Discussion, 20 min.
SYMPOSIUM:
Bacteriophages: a new time in the age-old history........................................................ 9:00 – 12:10

Co-chairs: B.I. Aslanov, E.P. Selkova

9:00 – 9:15 Scientific foundations of production technologies of bacteriophage preparations and the effectiveness of their use
N.N. Voroshilova, G.G. Bogovazova, S.S. Usmanova, E.V. Alferova, T.B. Kazakova, O.A. Polygach
Ufa, Russia

9:15 – 9:30 The effectiveness of bacteriophages for the management of the infection outbreaks associated with medical care provision
B.I. Aslanov, L.P. Zueva, A.V. Lyubimova
Saint-Petersburg, Russia

9:30 – 9:45 Individualized phagotherapy of ICU patients with hospital acquired infections: pro et contra
Moscow, Russia

9:45 – 10:00 The role of bacteriophages in the treatment of infectious diseases in children
M.K. Bekhtereva
Saint-Petersburg, Russia

10:00 – 10:15 The role of bacteriophages in solving the problem of Klebsiella pneumoniae resistance to antibiotics
N.V. Volozhantsev
Obolensk, Russia

10:15 – 10:30 The use of Pseudomonas bacteriophages in the treatment of purulent complications
Kozharskaya G.V.
Ekaterinburg, Russia

10:30 – 10:45 Epidemiological and microbiological aspects of the development of the complex drug Difag
E.V. Funcner
Perm, Russia

10:45 – 11:00 Bacteriophages for the prevention of acute intestinal infections
L.A. Kaftyreva
Saint-Petersburg, Russia

11:00 – 11:15 The features of using bacteriophages in practical microbiology
O.E. Punchenko, K.G. Kosyakova
Saint-Petersburg, Russia

11:15 – 11:30 The role of O-antigen in the interaction of Escherichia coli cells with bacteriophages
Moscow, Russia

11:30 – 11:45 Polysaccharide-degrading proteins of Acinetobacter baumannii bacteriophages: determining the specificity of the infection and the prospect of using for pathogen typing
K.V. Miroshnikov, M.M. Schneider, P.G. Leiman, Yu.A. Knirel
Moscow, Russia

11:45 – 12:00 New T7 and ΦKMV-like viruses infecting highly virulent Klebsiella pneumoniae strains (isolation, genomic analysis and identification of polysaccharide depolymerase genes)
E.V. Komisarova, V.P. Myakinina, V.V. Verevkin, V.M. Krasilnikova, A.A. Kislichkina, N.V. Volozhentsev
Obolensk, Russia

Discussion, 10 min.
SYMPOSIUM:
Disinfectology ........................................................................................................ 9:00 – 10:30
Co-chairs: L.A. Soprun, N.I. Eremeeva

9:00 – 9:20 Monitoring of disinfectants’ resistance in clinical and hospital strains of micobacteria
N.I. Eremeeva, D.V. Vakhruscheva, V.V. Kanichev, T.V. Umpeleva
Ekaterinburg, Russia

9:20 – 9:40 Assessment of antiseptics and enzymes effect on periodontal pocket biofilm marix in chronic periodontitis
N.E. Kalchanova, V.K. Okulich, B.N. Fershishi
Vitebsk, Belarus

9:40 – 9:55 Results of microbiological monitoring of sustainable hospital strains of bacteria to disinfectants
A.P. Prushinskiy, L.A. Kozulina
Artem, Russia

9:55 – 10:10 Disinfection, sterilization processing of dental instruments in dental clinics
L.A. Soprun
Saint-Petersburg, Russia

10:10 – 10:20 Studies of bactericidal characteristics of the cold atmospheric plasma
P.K. Galkina
Saint-Petersburg, Russia

10:20 – 10:30 Practices of pre sterilization cleaning of medical instruments by automated processing
A.V. Danilova
Moscow, Russia

SYMPOSIUM:
The role of a nurse in prevention of healthcare-associated infections ....................... 10:30 – 12:10
Co-chairs: G.M. Podoprigora, N.M. Korolkova

10:30 – 10:50 Managing the maintenance of the infectious safety within the competence of a senior nurse in the polyclinic department
O.G. Mikhailova
Saint-Petersburg, Russia

10:50 – 11:10 Topical problems of parasitology and peculiarities of morbidity in the North-Western districts of the Vologda region
E.V. Volkova
Vologda, Russia

11:10 – 11:20 Nursing technologies for the prevention of infectious complications in the intensive care unit
M.A. Vokueva
Saint-Petersburg, Russia

11:20 – 11:30 Topical issues of preventing healthcare-associated infections in endoscopic manipulations
E.A. Bogdanova
Saint-Petersburg, Russia
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<td>11:30 - 11:40</td>
<td>Epidemiology and prevention of healthcare-associated infections in outpatient clinics</td>
<td>T.V. Bychkova</td>
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<td>11:40 - 11:50</td>
<td>The management of sanitary-hygienic measures (preventive disinfection and deep cleaning) in medical institutions of the Russian Federation</td>
<td>M.V. Vukolova</td>
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<td>11:50 - 12:00</td>
<td>Prevention of SSI in purulent surgery in a multidisciplinary hospital</td>
<td>A.A. Karetn</td>
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<td><strong>BREAK</strong></td>
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<td>12:10 - 13:10</td>
<td><strong>SYMPOSIUM (PG1 «Bacteriology»):</strong> Etiology and diagnosis of respiratory infections</td>
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<td>13:25 – 13:40</td>
<td>Use of PCR and ELISA tests for detection of extra-hospital pneumonia in military personnel</td>
<td>K.D. Zhogolev</td>
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<td>13:40 – 13:55</td>
<td>Prevalence of antibiotic resistance in <em>Streptococcus pneumonia</em>. Specialities and interpretation of drug susceptibility tests’ results.</td>
<td>O.S. Kalinogorskaya</td>
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<td>13:55 – 14:15</td>
<td>Quantitative assessment of <em>Streptococcus pneumonia</em> DNA in biological samples from patients with respiratory infections and healthy individuals</td>
<td>A.S. Mokhov</td>
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<td>14:15 – 14:30</td>
<td>Dynamic of <em>Streptococcus pneumonia</em> serotype spectrum in Saint-Petersburg during the start of the mass anti-pneumococcal vaccination</td>
<td>I.A. Tsvetkova</td>
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SYMPOSIUM (PG3 «Epidemiology»):
Epidemiology of zoonotic, natural focal and parasitic diseases .............................................................. 13:10 – 14:50

Co-chairs: N.V. Rudakov, A.E. Goncharov

A.E. Goncharov, D.V. Azarov
Saint-Petersburg, Russia

13:25 – 13:40 Complex express-indication of various pathogens taken from patients with ixodid ticks by means of in molecular-biological methods as the basis for the preventive therapy of tick vector-borne infections in the Omsk region
Omsk, Russia

13:40 – 13:50 Tick-borne encephalitis in the Khabarovsk region: features of pathomorphosis in modern conditions
T.A. Zakharycheva, T.V. Mzhelskaya
Khabarovsk, Russia

13:50 – 14:05 Identification of *Borrelia burgdorferi* sensu lato in ixodid ticks collected in the Republic of Belarus in the 2016 season
O.P. Knyazeva, A.G. Krasko
Minsk, Belarus

14:05 – 14:15 Modern aspects of the epidemiology of salmonellosis in Uzbekistan
O.M. Mirtazaev, N.S. Saidkasimova, D.A. Tursunova
Tashkent, Uzbekistan

14:15 – 14:35 Climate risks and vector-borne diseases in the Arctic / subarctic region: assessment of facts and prognoses
B.A. Revich, N.K. Tokarevich
Moscow, Saint-Petersburg, Russia

Discussion, 15 min.

TESTING (PG3 «Epidemiology»):
on specialty «Epidemiology» ........................................................................................................ 15:00 – 16:00

SYMPOSIUM (PG4 «Infectious diseases»)):
Rear mycoses .................................................................................................................. 13:10 – 14:50

Co-chairs: Yu.V. Borzova, S.N. Khostelidi

13:10 – 13:30 Mucormycosis in children with oncologic diseases
S.N. Khostelidi
Saint-Petersburg, Russia

13:30 – 13:50 First case of imported pulmonary coccidioidomycosis in Russia
E.A. Desyatik
Saint-Petersburg, Russia
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<td>Combination of invasive aspergillosis and pneumocystis pneumonia</td>
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<td>14:30 – 10:50</td>
<td>Meningitis caused by <em>Rhodotorulla rubra</em> in HIV-infected patient</td>
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<td><strong>Yu.V. Borzova, T.S. Bogomolova</strong></td>
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**TESTING (PG2 «Dermatology and Venereology»):**
- on specialty «Dermatology and Venereology» .................................................. 10:40 – 11:40

**HALL «VYBORG»**

**SYMPOSIUM:**
- Prospects for diagnosing infectious diseases and assessing the antibiotic susceptibility of their pathogens .................................................. 13:10 – 14:50

**Co-chairs: O.I. Krechilova, L.G. Boronina**
- 13:10 – 13:30 Use of quantitative multiplex real time PCR in the diagnosis of urinary tract infections
  Moscow, Russia
- 13:30 – 13:50 Chromogenic media for the detection of antibiotic resistance (conducted with the support of “DRG” company)
  **O.I. Krechikova**
  Smolensk, Russia
- 13:50 – 14:10 Accelerated detection of the neuroinfection etiology after surgical interventions for hydrocephalus in children
  **L.G. Boronina,** M.P. Kukushkina
  Yekaterinburg, Russia
- 14:10 – 14:30 Resistance of *Corinebacterium diphtheriae* strains to antibiotics
  **O.Yu. Borisova,** I.A. Chagina, N.T. Gadua, V.A. Aleshkin
  Moscow, Russia

Discussion, 20 min.

**TESTING (PG1 «Bacteriology»):**
- on specialty «Bacteriology» .................................................................................. 15:00 – 16:00
**SYMPOSIUM:**
Microorganisms – biodestructors of premises .................................................. 13:10 – 14:50

Co-chairs: S.A. Startsev, T.S. Bogomolova

13:10 – 13:30 Micromycetes – biodestructors of premises in Saint-Petersburg
  **I.E. Pavlova, E.V. Dorshakova, G.A. Chilina, T.S. Bogomolova**
  Saint-Petersburg, Russia

13:30 – 13:50 New approaches to *Stachybotrys* spp. detection in biodestructed focuses in premises
  **E.V. Dorshakova, N.P. Yelinov, T.S. Bogomolova**
  Saint-Petersburg, Russia

13:50 – 14:10 Channels of opportunistic microscopic fungi in polar habitation regions
  **I.Yu. Kirtsideli**
  Saint-Petersburg, Russia

14:10 – 14:30 Construction materials biodestruction
  **S.A. Startsev**
  Saint-Petersburg, Russia

Discussion, 20 min.

**TESTING (PG4 «Infectious diseases»):**
on specialty «Infectious diseases» ................................................................. 15:00 – 16:00

**HALL «CONGRESS-HALL»**

CLOSING CEREMONY ................................................................................. 16:00 – 16:30
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<td>Co-author: <strong>D.E. Zelenskaia</strong></td>
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<td>Chronic aspergillosis in a patient with sarcoidosis: a clinical case description</td>
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<td>Co-author: <strong>E.K. Petuhova</strong></td>
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<td>Co-author: <strong>T.N. Strebkova</strong></td>
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<td><strong>L.H. Kamaletdinova</strong></td>
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