



**1 – 2 APRIL,
2019**

Lecture Hall I
Senate Hall
RSU Main Building,
16 Dzirciema street

Mental Health and Neuroscience

Neuroscience in Latvia – from prevention to after treatment check-up – researching every step in neurological pathology

Incidence of neurological diseases as the main reason for early disability and lethality in the last 30 years has increased, the reason being increase in total life expectancy and improvement of diagnostics and its availability. Field of neurological pathology is very diverse, therefore this conference will discuss current topicalities in neuroscience.

As the population ages, it is important to preserve patient's quality of life – researchers have studied causative factors and potential solutions when neurological disease is the main reason for disability.

Cognitive deficit will be viewed from less emphasized perspective – its connection and diagnostic differences in cases when underlying pathologies (such as multiple sclerosis or connective tissue disease) are present.

Early diagnostic possibilities, prevention methods, pathogenic causes and modifiable risk factors for neurodegenerative diseases shall be explored.

Considering important role that neuroradiology has in diagnostics worldwide, sessions will view the possibilities of current clinical research at RSU, radiological differences in malignant CNS pathologies, as well as discussing the importance of radiological examinations in evaluating therapeutic outcomes after cerebrovascular pathology treatment. Study of structural and functional brain changes after metcaltone (ephedrone) abuse will be presented.

In addition, sessions will also focus on neurological diseases affecting younger population – acquired peripheral neuropathies and Duchenne muscular dystrophy in children, antiepileptic drug use in women of childbearing age.

To highlight novelties in Latvia, first results of the success of epilepsy surgery will be presented.

Mental Health in Latvia – from behavioural patterns to clinical care

Mental disorders are very prevalent not only in Europe, but also in Latvia. Recent studies showed that more than 110 000 inhabitants every year are suffering from depression and 70 000 annually are visiting Family physicians. Unfortunately many of them are not recognised and not receiving appropriate help.

Current session will highlight recent studies focused on prevalence of internalizing and externalizing behaviours in Latvian adolescent population and different suicidal behaviours and associated factors in the general population of Latvia. Researchers will present results on how personal pathology could be assessed using recently developed Latvian Clinical Personality Inventory and emotion-regulation skills evaluated in depression. Study of Latvian family physicians' experience and attitude in diagnosing and managing

depression will be complemented by results of changes in diagnostics of depression among Family physicians in Latvia following education course of National Research Programme BIOMEDICINE 2014–2017.

Preliminary results of the first Early psychosis intervention programme in Latvia will highlight importance of specialised patient oriented programmes. Patient perspectives on psychiatric health care will be emphasized by another study results.



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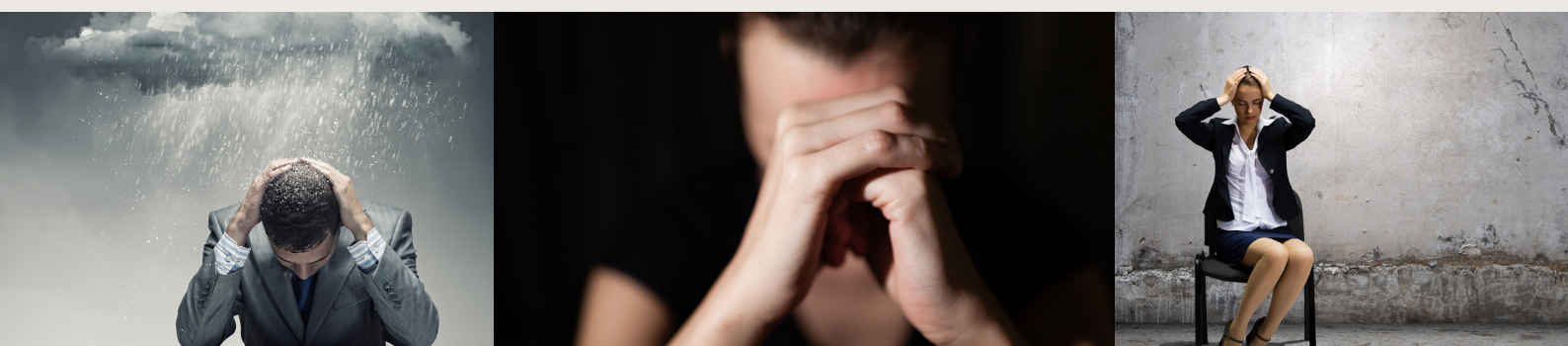
The Force of Psychotherapy and Psychosomatics in Medicine

The session of Psychosomatics and Psychotherapy will start with the presentation of our visiting professor from the Netherland Prof.Dr.med. Rutger Jan van der Gaag. The topic of the vital importance – mental and physical health of children. It starts in the family and is closely connected with the different expression styles in families, which will be analyzed.

The next presentation's topic is connected with the concept "the doctor the best medicine". The doctor-patient relationship will be analyzed from the point of view of psychotherapy. The mental health of doctor's and their ability to recognize and understand the emotional state of the patient is crucial. Prof.Dr.med.Gunta Ancāne will present the material from Balint groups work. Some therapeutical factors in connection with the mental health will be analyzed.

More and more research is coming about the critical thinking. Assist.Prof. Dr.med.Artūrs Utināns in his presentation will speak about the cognitive reflexive test and its results in the determining the predominance of analytical or intuitive thinking. The results gotten from RSU students responses will be presented.

The topic about the quality of physicians work has great meaning for medical practice and for educational specialists as well. Particularly the quality of physicians work in psychotherapy is not much discussed. Assist.Dr.Artūrs Ancāns will give the data about the quality of the residents and certified physicians work at the RSU Clinic for Psychosomatics and Psychotherapy.



1 April, Lecture Hall I

Assesment and management of neurocognitive and neurodegenerative disorders

MODERATORS: Andrejs Millers (Latvia), Kristīne Martinsone (Latvia), Sara Mondini (Italy)

14.00 – 14.40	Sara Mondini, Italy	Cognitive reserve in Healthy ageing
14.40 – 15.20	Bob Woods, United Kingdom	Interventions to improve quality of life and function in people with dementia
15.20 – 15.35	Rudite Terehova, Latvia	The relationship between quality of life and perceived social support for dementia patients in social care institution
15.35 – 16.15	Andis Klēgeris, Canada	Modifiable risk factors for Alzheimer's disease and glia-driven neuroinflammation: what are the links?
16.15 – 16.30	Julius Juurmaa, Estonia	Parkinsonism-dystonia syndrome in methcathinone abusers: a journey from the clinic to functional activation networks in the brain
16.30 – 17.30	Poster Session	

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Mental Health and Neuroscience

2 April, Senate Hall

Mental Health in Latvia – from behavioural patterns to clinical care

MODERATORS: Elmārs Rancāns, Māris Taube, Kristīne Martinsone (Latvia)

09:00 – 09:15	Natālija Bērziņa-Novikova, Latvia	Psychiatric health care quality evaluation from patients' perspective - what do we know?
09:15 – 09:30	Jeļena Vrubļevska, Latvia	Latvian family physicians' experience and attitude in diagnosing and managing depression
09:30 – 09:45	Elmārs Rancāns, Latvia	Changes in diagnostics of depression among Family physicians in Latvia following education course of National Research Programme BIOMEDICINE 2014 – 2017
09:45 – 10:00	Viktorija Perepjolkina, Latvia	Theoretical justification of the empirically derived dimensional model of personality pathology operationalised the Latvian Clinical Personality Inventory (LCPI)
10:00 – 10:15	Inese Paiča, Latvia	Emotion-regulation skills and depression
10:15 – 10:30	Liene Bērze, Latvia	Interventions in early psychosis: from scientific evidence to clinical practise
10:30 – 10:45	Krista Mieze, Latvia	Prevalence and sociodemographic characteristics of self-reported mild types of suicidal behaviour in the general population in Latvia
10:45 – 11:00	Ņikita Bezborodovs, Latvia	Screening for symptoms of psychological distress in adolescent populations
11:00 – 11:30	BREAK/POSTER SESSION	

The Force of Psychotherapy and Psychosomatics in Medicine

MODERATORS: Gunta Ancane (Latvia), Rutger Jan van der Gaag (The Netherlands)

11:30 – 11:50	Rutger Jan van der Gaag, The Netherlands	"Psychosomatics: an expressive style that runs in families"
11:50 – 12:05	Artūrs Utināns, Latvia	"Use of a cognitive reflexive test for determining the predominance of analytical or intuitive thinking for students of the RSU"
12:05 – 12:15	Artūrs Ancāns, Latvia	"Comparison of early psychotherapy dropout prevalence between residents and certified physicians in RSU Clinic of Psychosomatic medicine and psychotherapy"
12:15 – 12:25	Lelde Loginav, Latvia	"Comparison of frequency and severity levels of feelings depressed and anxious among RSU 1st and 6th year Latvian medical faculty students"
12:25 – 12:35	Velga Sudraba, Latvia	"Stress, its causes and ways to overcome it among students of Medicine and Health Care study programs"
12:35 – 12:50	Gunta Ancāne, Latvia	"Mental health and the quality of doctor-patient relationship"
12:50 – 13:00	Discussion	
13:00 – 14:00	BREAK/POSTER SESSION	

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2 April, Senate Hall

Neuroscience in clinical practice

MODERATORS: Kārlis Kupčs, Evija Miglāne (Latvia)

14:00 – 14:30	Gaida Krūmiņa, Latvia	Current Clinical Research in Neuroradiology at Riga Stradins University
14:30 – 14:45	Reinis Pitura, Latvia	The relation between the number of Magnetic Resonance contrast examinations and Hyperintensity in Pulvinar, Globus pallidus, Pons and Nucleus dentatus in pediatric patients
14:45 – 15:00	Zanda Priede, Latvia	Progress and challenges in frontotemporal dementia research
15:00 – 15:15	Janis Mednieks, Latvia	Contemporary approach to cognitive assessment in patients with systemic connective tissue disorders
15:15 – 15:30	Janis Vetra, Latvia	The impact of participation in quality improvement initiative and international registry on the acute stroke care.
15:30 – 15:45	Kristaps Jurjans, Latvia	Cardioembolic stroke long-term function outcome in Latvian population from 2014-2017
15:45 – 16:00	Lauma Dobelniece, Latvia	Hemorrhagic transformation in acute ischemic stroke – demographics, risk factors and comparison with literature data
16:00 – 16:15	Jasmeet Singh, Latvia	Pre-frontal cortex stroke impairs cerebral blood flow in comorbidities of obesity and hyperuricemia
16.15 – 16.30	Arturs Balodis, Latvia	Acute stroke long term clinical outcome study - imaging based selection of patients for mechanical thrombectomy

