

<sup>1</sup>Department Of Translational Psychiatry, V. M. Bekhterev National Medical Research Center for Psychiatry and Neurology, St. Petersburg, Russian Federation; <sup>2</sup>N/a, Genotek Ltd., Moscow, Russian Federation; <sup>3</sup>Department Of Geriatric Psychiatry, Bekhterev National Medical Research Center for Psychiatry and Neurology, St. Petersburg, Russian Federation and <sup>4</sup>V.P. Serbsky National Medical Research Center on Psychiatry and Addictions, Russia

\*Corresponding author.

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**Introduction:** To reduce the heterogeneity of depressive GWAS samples it seems relevant to evaluate and compare current instruments for depression phenotyping.

**Objectives:** The aim is to evaluate the agreement of DSM criteria and HADS scores in depression phenotyping for population studies.

**Methods:** The self-report data was obtained from 5116 clients (females 50,63%; mean age 36,92±9,82 years, Me=42; Q1=35, Q3=76) of genetic testing company Genotek Ltd.. The respondents completed an on-line questionnaire with items on social status and biometrics. Depression phenotyping was based on DSM-5 criteria (life-time and current for major and bipolar depression) and HADS (current).

**Results:** Mean HADS scores were: HADS-A – 6,43±2,9, Me=8; Q1=6, Q3=18; HADS-D – 4,5±2,83, Me=6; Q1=4, Q3=17. Abnormal anxiety and depression (≥11 for each subscale) were present in 9% (N=456) and 3,4% (N=174) of respondents, respectively; borderline (8-10) – in 23% (N=1172) and 11,9% (N=592), respectively. The life-time report of major depression according to DSM-5 criteria was 17,6% (N=261) and of bipolar disorder – 8,3% (N=139). Moderate correlations were present for borderline HADS anxiety scores and DSM major depression (0.19, p<.01). Similar correlations of HADS anxiety scores were registered for DSM bipolar depression (0.20, p<.01). Moreover, HADS depression scores did not correlate with any DSM depressive phenotype.

**Conclusions:** Our study shows significant correlations only for DSM depression criteria and HADS anxiety, but not depression scores. It could indicate the different significance of individual scale items in depression phenotyping and the need for their separate further evaluation.

**Conflict of interest:** The research is supported by the Russian Scientific Fund grant #20-15-00132.

**Keywords:** Depression; phenotyping; screening scales; DSM criteria

## EPP0538

### Depression in elderly patients hospitalized in psychiatry

N. Halouani<sup>1</sup>, R. Ouali<sup>1\*</sup>, E. Jemal<sup>1</sup>, M. Turki<sup>2</sup>, S. Ellouze<sup>1</sup>, R. Charf<sup>1</sup>, L. Aribi<sup>2</sup> and J. Aloulou<sup>3</sup>

<sup>1</sup>Psychiatry B Chu Hedi Chaker, Tunisia, psychiatry B, sfax, Tunisia;

<sup>2</sup>Psychiatry (b), Hedi Chaker University hospital, sfax, Tunisia;

<sup>3</sup>Psychiatry (b), Hedi Chaker University hospital, Sfax, Tunisia and

<sup>4</sup>Psychiatry (b), Psychiatry (B), Hedi Chaker University hospital, sfax, Tunisia

\*Corresponding author.

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**Introduction:** Depression in the elderly represents a major public health problem, due to its high prevalence and its deleterious consequences in terms of morbidity and mortality, in particular by suicide.

**Objectives:** 1-Draw up the socio-demographic and clinical profile of elderly patients hospitalized in psychiatry for a major depressive episode 2-Determine the semiological and therapeutic characteristics of depression in the elderly.

**Methods:** Participants were outpatients of Psychiatry B department in Hedi chaker University Hospital Center in Tunisia, over the age of 65, hospitalized in psychiatry for a major depressive episode, recruited between 2000 and 2015. The data was collected using a pre-established sheet containing socio-demographic information, the clinical and evolutionary characteristics of the depressive episode and the therapeutic data concerning the depressive episode.

**Results:** 30 patients were included in this study with an average age (69 Y) and sex ratio (0.66). More than half (53.3%, 16 patients) had a history of chronic somatic disease. The average length of hospitalization was 26 days. The most frequent reason for hospitalization is sadness of mood (43.3%) with cognitive impairment as the predominant clinical symptomatology (40%). 93.3% of the population received as treatment an antidepressant mainly Fluoxetine (50%).

**Conclusions:** Depression and its different modes of expression in the elderly is a serious condition with direct effects on quality of life. Early detection is desirable in order to set up appropriate management, and thus prevent the occurrence of complications such as suicide.

**Keywords:** Depression; Elderly

## EPP0539

### Dental health awareness in patients feeling sad or hopeless- an estimate from youth risk behavior surveillance survey

Y.C. Hsieh<sup>1\*</sup>, B. Chauhan<sup>2</sup>, J. Patel<sup>2</sup>, P. Soni<sup>3</sup> and G. Tyagi<sup>3</sup>

<sup>1</sup>School Of Public Health, Icahn School of Medicine at Mount Sinai, New York City, United States of America; <sup>2</sup>Public Health, Long Island University School of Public Health, New York City, United States of America and <sup>3</sup>Dentistry, Rutgers School of Dental Medicine, Newark, United States of America

\*Corresponding author.

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**Introduction:** Research has found that low mood including sadness and hopelessness is an important factor for decreased awareness in one's oral health and lowered frequency of visit to the dental office, this relationship is not well studied in national representative samples. Poor mental wellbeing can lead to poor oral health.

**Objectives:** Aim is to examine the relationship between feeling sad or hopeless and awareness for dental care.

**Methods:** Data were obtained from the Youth Risk Behavior Surveillance Survey (YRBS-CDC), USA, for years 2009-2017. All ages from 12 to 18 years, feeling sad or hopeless and dental visits were identified. Univariable relationship between feeling sad or hopeless (>2 weeks in the past year) and dental office visits for all dental care (during the past 12 months, 12-24 months, >24 months, and never) was evaluated using chi-square test.

**Results:** Out of a total of 53,098 youths, 30.5% of youths were feeling sad or hopeless. Within the youths feeling sad or hopeless, the prevalence of youth who never received dental care was higher at 37.1% in comparison to youths who received dental care >24 months ago 36.4%, 12-24 months 33.7%, and visited the dental office in the past 12 months 28.9%. (p<0.0001). In youths who had dental care in the last 12 months, the prevalence of sadness or