

**Results:** No statistical difference between groups HDLAI and OH was found. The HDLAI+OH group presented higher means of emergency visits and hospitalizations with statistical significance.

**Conclusions:** It suggests the use of HDLAI can be considered an alternative as effective as oral intake. Prolonged use of associated HDLAI and oral supplementation leads to worst outcomes.

**Disclosure:** No significant relationships.

**Keywords:** haloperidol decanoate; haloperidol; recurrence; Antipsychotics

## EPV0730

### Use of verbal de-escalation in reducing need for mechanical restraint in patients with psychotic disorders during non-voluntary transfers from home to the psychiatric emergency department.

E. Miranda Ruiz<sup>1\*</sup>, A. Gonzalez<sup>2</sup>, P. Samos<sup>2</sup>, M. Bellsola<sup>2</sup>, A. Sabate<sup>2</sup>, J. Leon<sup>2</sup>, M.A. Jerónimo<sup>2</sup>, V. Pérez-Solá<sup>3</sup>, L.M. Martín<sup>2</sup> and D. Corcoles<sup>1</sup>

<sup>1</sup>CST, Psychiatry, Barcelona, Spain; <sup>2</sup>Hospital del Mar, Psychiatry, Barcelona, Spain and <sup>3</sup>Parc de Salut Mar, Institut De Neuropsiquiatria I Addiccions, Barcelona, Spain

\*Corresponding author.

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**Introduction:** Little is known about the need for mechanical restraint during non-voluntary transfers from patient's homes to the psychiatric emergency department in patients diagnosed with Paranoid Schizophrenia. Although there is no evidence of its efficacy, one of the main tools used for the reduction of mechanical restraints is verbal de-escalation training.

**Objectives:** The aim is to describe which symptoms predispose to mechanical restraint in patients with Paranoid Schizophrenia transferred in a non-voluntary manner from home to the psychiatric emergency department, and the effect on reducing mechanical restraints after receiving verbal de-escalation training.

**Methods:** All patients with Paranoid Schizophrenia who, after being visited by a home psychiatry team, have required non-voluntary transfer from their homes to the psychiatric emergency department were selected (N = 442).

**Results:** Young age, being male, having a poor adherence to treatment, higher scores for the following variables; Excitement, Grandiosity, Suspiciousness, Hostility, Abstract thinking, Motor tension, Uncooperativeness, Poor attention, Lack of insight and Poor impulse control as well as lower scores in motor retardation on the PANSS, are related to a higher frequency of mechanical restraint (P<0,005). Before the verbal de-escalation training, 43.9% of the transferred patients required mechanical restraint, after the training, the need for restraints was reduced to 25.5% (P<0.001).

**Conclusions:** Training in verbal de-escalation has allowed an important reduction in mechanical restraints in patients with schizophrenia who have required non-voluntary transfers from home to the psychiatric emergency department.

**Disclosure:** No significant relationships.

**Keywords:** Emergency psychiatry; Mechanical restraint; Verbal de-escalation; transfers

## EPV0731

### Ekbom's syndrome in an HIV man: a case report

D. Paiva Pajares<sup>1\*</sup>, C. Hernández Peláez<sup>2</sup>, A. Martínez Muelas<sup>1</sup>, M. López Isern<sup>1</sup> and T. Castelló Pons<sup>1</sup>

<sup>1</sup>Hospital Sagrat Cor, Hermanas Hospitalarias., Psychiatry, Martorell (Barcelona), Spain and <sup>2</sup>Hospital Clínico San Carlos, Intensive Care Unit, Madrid, Spain

\*Corresponding author.

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**Introduction:** Ekbom's syndrome, also known as delusional parasitosis, is a neuropsychiatric disorder characterized by the delusional belief that the body is infested by parasites, small organisms or materials. Multiple etiologies have been described such as psychiatric and neurological disorders, substance intoxication or other medical conditions. We present a case of Ekbom's syndrome in an individual infected with the human immunodeficiency virus (HIV).

**Objectives:** To report a case of a patient with Ekbom's syndrome and HIV.

**Methods:** A 33-years-old man assists to the emergency unit in order to excessive drowsiness. During the evaluation an antihistamin overdose is confirmed. The patient justifies taking it by claiming to have parasites all over the skin, a fact that is ruled out. Medical history is reviewed presenting multiple visits to GP for thinking that he has parasites, performing medical examinations without alterations. Toxicological, hemogram, biochemistry, hormonal and vitamin study did not show alterations.

**Results:** Due to the symptoms presented, it was decided to start antipsychotic therapy. At the beginning, the patient is not aware of needing treatment other than antiparasitic. After optimizing the olanzapine dose to reach 20 mg / day, the patient denied experiencing tactile and visual hallucinations.

**Conclusions:** Ekbom's syndrome is a multifactorial neuropsychiatric disorder, individuals infected with HIV are at increased risk of psychotic disorders. The patient was diagnosed of psychotic disorder due to another medical condition because the history of HIV preceded the history of delusional content.

**Disclosure:** No significant relationships.

**Keywords:** psychiatry; Ekbom; HIV; emergency

## Epidemiology and Social Psychiatry

### EPV0734

#### Mental health in medical, dental and pharmacist students: a cross-sectional study

A. Frajerman<sup>1\*</sup>, B. Chaumette<sup>1,2,3</sup>, M.-O. Krebs<sup>1,4</sup> and Y. Morvan<sup>5,6</sup>

<sup>1</sup>University of Paris, INSERM, U1266 Institute Of Psychiatry And Neuroscience Of Paris, PARIS, France; <sup>2</sup>GHU Paris Psychiatrie et Neurosciences, Pepsit, Paris, France; <sup>3</sup>McGill University, Department Of Psychiatry,, Montréal, Canada; <sup>4</sup>GHU Paris Psychiatrie et

Neurosciences, Pepit, Paris, France; <sup>5</sup>Université Paris Nanterre, UFR Spse, Laboratoire Clipsyd, Nanterre, France and <sup>6</sup>Inserm, U1018, Cesp, Paris, France

\*Corresponding author.

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**Introduction:** Health student's mental health is considered a public health issue that dramatically increased with COVID 19's pandemic. However, very few studies assessed the prevalence of mental health in medical, pharmacist, and dental students.

**Objectives:** Our goal was to assess mental health in health students from the same university one year after pandemic's beginning and look at for associated factors.

**Methods:** An online survey was realized in Paris university which has the 3 specialties (medicine, pharmacy, and dental). We used the Hospitalization Anxiety and Depression scale, Composite International Diagnostic Interview - Short Form questionnaire, Maslach Burnout Inventory (with 2 versions (Student survey and Human Services Survey)). We also asked for 12 months of suicidal ideation, humiliation, sexual harassment, and sexual aggression. We did multivariable logistic regression analyses to identify Major Depressive Episode (MDE) associated factors.

**Results:** We included 1925 students: 95 dental, 233 pharmacists, 541 medical preclinic, 587 medical clinic and 469 residents. Overall prevalence of 7- days anxiety symptoms, 7- days depressive symptoms, 12-month MDE, 12-month suicidal ideation, humiliation, sexual harassment and sexual aggression were 55%, 23%, 26%, 19%, 19%, 22% and 6% respectively. There were significant differences between groups for anxiety and depressive symptoms and MDE ( $p < 0.001$  for all). Associated factors to MDE in multivariable logistic regression were humiliation (OR=1.71, IC95[1.28-2.28]), sexual harassment (OR=1.60, IC95[1.19-2.16]), sexual abuse (OR=1.65, IC95[1.04-2.60]) and moderate (OR=1.49, IC95[1.17-1.90]) or important (OR=2.32, IC95[1.68-3.20]) subjective financial difficulties.

**Conclusions:** Health student's prevalence of psychiatric symptoms is significant, but it seems possible to intervene on several risk factors.

**Disclosure:** No significant relationships.

**Keywords:** Anxiety; Depression; burnout; students

## EPV0735

### Socioeconomic factors and regional differences in mental disorder-based disability pensioning in Finland

T. Karolaakso<sup>1\*</sup>, R. Autio<sup>1</sup>, T. Näppilä<sup>1</sup>, K. Nurmela<sup>1</sup>, H. Leppänen<sup>2</sup>, P. Rissanen<sup>1</sup>, M. Tuomisto<sup>1</sup>, S. Karvonen<sup>3</sup> and S. Pirkola<sup>1</sup>

<sup>1</sup>Tampere University, Faculty Of Social Sciences, Tampere, Finland;

<sup>2</sup>Tampere University, Medicine And Health Technology, Tampere, Finland and <sup>3</sup>The Finnish Institute for Health and Welfare (THL), Health And Welfare, Helsinki, Finland

\*Corresponding author.

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**Introduction:** Prior literature has indicated low socioeconomic status (SES) and regional differences as epidemiological risk factors for disability pension (DP) due to mental disorders.

**Objectives:** Our studies aimed to examine these associations and differences in greater detail, with separate consideration of the risk factors for mood disorders (F30–39) and non-affective psychotic disorder (F20–29) DP.

**Methods:** Subjects (N = 36 879) were all those granted DP due to a mental disorder for the first time between 2010 and 2015 in Finland. All the subjects were matched with three controls. Education, income and occupational status were used as measures of SES. Conditional logistic regression models were used to study SES differences. Negative binomial regression analysis was used to study the levels of DP risk in the Finnish hospital districts.

**Results:** DP recipients had low educational and income levels and often lived alone. The risk of DP was greater in white-collar occupational groups compared with blue-collar workers. Students had the greatest risk of DP for all mental and mood disorders. Significant differences in the regional mental disorder DP risks did not appear to follow the traditional Finnish health differences.

**Conclusions:** We found evidence of SES factors and regional variation associating with mental disorder-related severe loss of working and studying ability in a disorder-specific way. The increased risk of white-collar worker DP could be related to the psychosocially demanding contemporary working life. Regional variation in DP may at least partly relate to differences in regional mental health service systems.

**Disclosure:** No significant relationships.

**Keywords:** Disability pension; Socioeconomic; Mental health services; Regional differences

## EPV0736

### Mortality from suicide among adolescents and young people in the Altai Republic, Russia, for the period of 1990-2019

N. Semenova

Scientific Research Institute of Medical Problems of the North, Department Of Child's Physical And Mental Health, Krasnoyarsk, Russian Federation

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**Introduction:** The Altai Republic (AR) is the national subject of the Russian Federation where suicidal situation is unfavorable as the death rate from suicide exceeds the national rates by three times. The high level of suicide among adolescents and young people is especially alarming.

**Objectives:** To analyze the dynamics of mortality from suicide among adolescents and young people in the AR for the period from 1990 to 2019.

**Methods:** Data on mortality of the population were obtained from the Russian databases of demographic indicators and analyzed in terms standardized per 100,000 population.

**Results:** The highest mortality rates from suicide are recorded in the 20-24 age group. The suicide rate, compared to 1990, decreased slightly from 82.5 (in 1990) to 79.7 per 100 thousand (in 2019). The dynamics of mortality from suicide among adolescents aged 15-19