

kit and the CFX96 instrument in comparison with the referent genes using previously developed primers. LOS group underwent psychopathological examination including scales. Statistics: SPSS 12.0; the Mann–Whitney test; exponential regression analysis; data is given as median (min–max). The level of significance was set at  $p < 0.05$ .

**Results:** The alpha-synuclein level is higher in patients with LOS (9.21 (0.78–29.52)) compared to control (6,355 (0.46–35.44)),  $p = 0.024$ . The mRNA level of the SNCA gene is higher in the LOS group (0.533 (0.089–1.406)) compared to controls (0.087 (0.016–0.266)),  $p < 0.001$ .

**Conclusions:** Our study shows the relationship of alpha-synuclein with the manifestations of LOS. Obtained novel data can open up new targets for therapy and bring it closer to understanding the phenomenon.

**Disclosure:** No significant relationships.

**Keywords:** schizophrenia; proteostasis; alpha-synuclein; late-onset psychosis

## EPP0606

### Dissemination of sport-based psychosocial interventions in Europe: results from the EASMH project

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**Introduction:** Among psychosocial interventions, recent studies have highlighted that sport-based interventions can positively impact on the long-term outcomes of patients with severe mental disorders, in terms of improving their quality of life and promoting social inclusion. Although sport-based interventions should be considered an effective strategy for promoting patients’ recovery, few data are available on their dissemination in the clinical routine care in Europe.

**Objectives:** to evaluate the availability of sport-based psychosocial interventions in European countries.

**Methods:** In the framework of the EU-Erasmus+, the European Alliance for Sport and Mental Health (EASMH) project has been funded. In order to evaluate the availability of sport-based interventions, an ad-hoc online survey, sent to national mental health centres, has been developed.

**Results:** 103 responses were obtained (49 from Italy, 31 from UK, 17 from Finland and 12 from Romania). The respondents were mainly psychiatrists working in community mental health centers. Sport-based interventions were frequently provided by mental health services, in particular in Italy, UK and Finland. While in UK and Finland sport-based interventions are commonly offered to all patients, in the other countries these are provided only by

patient’s request. The most frequent types of sport practised were: running, football, volleyball, tennis and table tennis and basketball. Almost all respondents reported to not use a dedicated monitoring tool for evaluating the efficacy of those interventions.

**Conclusions:** Sport-based interventions are not frequently provided in the routine clinical settings, although no monitoring tools are routinely adopted. The EASMH aims to fill this gap by disseminating good clinical practice related to sport-based interventions.

**Disclosure:** No significant relationships.

**Keywords:** rehabilitation; social integration; sport; Recovery

## Women, Gender and Mental Health 02

### EPP0607

#### Anxiety and depression among Tunisian women victims of domestic violence

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**Introduction:** Violence against women is now widely recognized as an important public health problem with substantial consequences on mental health, that is why health professionals should be identifying, preventing, and responding to violence against women more effectively.

**Objectives:** To study the prevalence and predictors of anxiety and depression among women victim of domestic violence

**Methods:** Our study was descriptive and analytical cross-sectional, carried out with women examined in the context of medical expertise, from May until October 2021. An anonymous survey was asked to these ladies. The HADS was used to screen for anxiety and depression

**Results:** 75 responses was collected The age group of 26-35 years represents the highest percentage 44%. 98.7% were victim of verbal violence, 94.7% of physical violence, 97.3% of psychological violence and 54.7 % of sexual violence According to the HAD, anxiety was retained in 72% and depression in 56%. Women who filed for divorce developed more depression ( $p = 0.01$ ). Women with a history of infertility were more anxious than others ( $p = 0.025$ ). Anxiety and depression were significantly correlated with : the husband alcohol ( $p = 0.01$ ) and cannabis consumption ( $p = 0.015$ ). The ladies victims of sexual violence such as an unusual type of relationship developed more anxiety ( $p = 0.045$ ). An history of aggression during pregnancy was a risk factor of anxiety ( $p = 0.035$ )

**Conclusions:** Our work has shown the association between violence against women and anxiety-depressive symptoms. The results of our work inspire us to reflect on and develop actions on the scourge of violence against women in a conjugal environment and its psychological repercussions.

**Disclosure:** No significant relationships.

**Keywords:** women; Depression; Anxiety; domestic-violence