

**Conclusions:** In term to provide early intervention in psychosis, A-MFGT seems to be a viable way to support the patient as well as the whole system facing psychosis, with the aim of preventing relapse and improved quality of life for all the participants.

**Disclosure of Interest:** None Declared

## EPP0181

### Association of oral health related subjective quality of life and severity of negative symptoms of treatment-resistant schizophrenia: a cross-sectional study in Croatia

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**Introduction:** Patients diagnosed with schizophrenia, particularly those with severe negative symptoms (NS) and treatment resistant schizophrenia (TRS), have poorer oral health than the general population, which can have serious consequences beyond oral and dental problems, but remains poorly addressed in psychiatric clinical practice and mental health research.

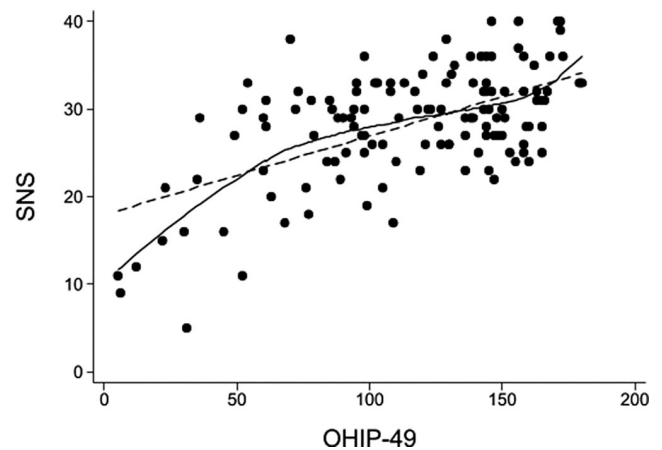
**Objectives:** To investigate the association between oral health-related subjective quality of life (OHR-sQoL) and severity of NS in TRS.

**Methods:** We conducted a cross-sectional study in a tertiary psychiatric clinic in Croatia during 2022-2023. The target population were patients diagnosed with TRS with more pronounced NS. The outcome was the Self-Evaluation of Negative Symptoms (SNS) scale and its five dimensions. Exposure was OHR-sQoL measured by the Oral Health Impact Profile questionnaire (OHR-sQoL). We tested the hypothesis using multivariable linear hierarchical regression analysis.

**Results:** We enrolled 130 participants with a median (interquartile range) age of 43 (36-51) years, with an equal number of women and men. Total SNS and OHR-sQoL scores were found to be significantly associated in both bivariate and multivariable analysis adjusted for a large number of covariates ( $R^2$  increase over the effect of covariates = 0.22;  $p < 0.001$ ; false discovery rate < 5%). Total SNS score was significantly associated with the functional limitation dimension of the OHIP-49, as well as diminished emotional range with psychological discomfort, physical and psychological disability, and anhedonia with functional limitation.

**Figure 1.** Scatter plot of the correlation between the total score of the Self-evaluation of Negative Symptoms (SNS) and the Oral Health Impact Profile (OHIP-49); the solid line represents the 80% smoothed local polynomial regression curve; the dashed line represents the linear regression line ( $n = 130$ )

**Image:**



**Conclusions:** NS of TRS are relatively strongly associated with OHR-sQoL, especially with functional limitations. The robustness of this association was confirmed by controlling for a large number of covariates. If the relationship between NS and OHR-sQoL is bidirectional, which should be verified by future studies, perhaps for further progress in solving the serious problems of NS and TRS it will be necessary to include the comorbidity with oral diseases and oral functional disorders and OHR-sQoL.

**Disclosure of Interest:** None Declared

## EPP0182

### Hormones and Psychosis: The Role of Estrogen in Schizophrenia

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**Introduction:** Schizophrenia is a complex psychiatric disorder in which biological sex differences, have been extensively documented and researched. What is less well described, is what motivates these differences. Of the various proposed and explored reasons, estrogen appears to be one that has maintained some interest and promise. An increase in symptoms of schizophrenia has been observed to correspond with decreasing levels of estrogen in menopausal women, this, allied to the later symptom onset, culminated in the interest in this hormone and its role in psychotic illness.

**Objectives:** The authors aim to briefly explore the current evidence on the association between estrogen and schizophrenia. Its relevance in symptom onset, protective status and eventual therapeutic applications will also be discussed.

**Methods:** The authors conducted a brief non-structured narrative literature review using articles published in the Medline/Pubmed, ScienceDirect and Google Scholar databases. The keywords used

during the research, alone or in combination, included: sex hormones, estrogen, schizophrenia and psychiatry. The studies consulted in this work included: cross-sectional studies, cohort studies, literature reviews and clinical case reports.

**Results:** The literature exploring the relationship between the sex hormone, estrogen, and schizophrenia is extensive. Various studies confirm that during periods of estrogen withdrawal, women appear more susceptible to psychotic episodes. Results also demonstrated that those with low estrogen, respond poorly to anti-psychotic drugs, whereas estrogen increased the efficiency of antipsychotics. In regards to symptoms, estrogen has been demonstrated to reduce the positive and cognitive symptoms of schizophrenia in the short term, thus being proposed as an eventual complementary treatment in those suffering from the disorder. It is known that estrogen regulates important pathophysiological pathways in schizophrenia, including dopamine activity, mitochondrial function, and the stress system. One of the explanations for this beneficial effect has been proposed to be action on cerebral blood flow and glucose metabolism, as well as sensitizing postsynaptic dopamine receptors, thus serving as a protective agent against schizophrenia.

**Conclusions:** The research appears to be pointing in the direction that estrogen appears to have an effect on psychosis in women, serving as a protective factor in these conditions as well as playing a significant part of the pathophysiology in schizophrenia. This influence on the pathophysiology, promises clinical pertinence, not only in a possible application so to attenuate positive and cognitive symptoms but also as a method to influence antipsychotic efficacy. Continued study in regards to the effects of sex hormones on the psychotic disorders is merited so as to further expand the tools in the mental health professional's repertoire in the treatment of these serious mental illnesses.

**Disclosure of Interest:** None Declared

## Training in Psychiatry

### EPP0184

#### Impact of interpersonal relationships on academic burnout among trainee teachers: A comprehensive study

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**Introduction:** Recent research has identified varying levels of burnout among teachers, particularly those in training. This condition is believed to be influenced by a combination of internal factors, such as psychological characteristics, and external factors, such as work-related pressures and the social environment.

**Objectives:** We examined the prevalence of burnout syndrome and assessed the potential risk factors associated with this condition. This study investigates the complicated correlation between academic burnout and interpersonal connections among trainee teachers in Morocco.

**Methods:** We used a comprehensive database generated from the Maslach Burnout Inventory-Student Survey (MBI-SS), a questionnaire designed specifically for this study, and validated for this context. We examined various dimensions of academic burnout to unravel the complexity of this connection. Our study analyzed individual, professional, and social factors within a cohort of 732 prospective teachers in Morocco during the 2021/2022 academic year.

**Results:** The findings revealed an intricate network of interrelated factors that contributed to the occurrence of academic burnout among trainee teachers. Significantly, the study highlighted the impact of interpersonal relationships on academic burnout. Trainee teachers who received support and positive interactions from colleagues and superiors showed significantly lower levels of academic burnout. Interpersonal relationships within the educational community also played a pivotal role in preventing burnout. Moreover, our multivariate analysis showed that certain sociodemographic factors, including age, gender, and prior educational experience, moderated the influence of interpersonal relationships on academic burnout.

**Conclusions:** This study significantly contributes to the comprehension of academic burnout in trainee teachers by emphasizing the vital role of interpersonal relationships in this context. The findings emphasize the necessity of interventions that enhance interactions within educational institutions to prevent academic burnout and promote a healthy learning environment for trainee teachers.

**Disclosure of Interest:** None Declared

### EPP0185

#### Psychiatry Pitstop: Enhancing Communication Skills of Medical Students in Mental Health Settings

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**Introduction:** *Psychiatry Pitstop* is a role-play-based program for medical students aimed to improve communication skills in the framework of mental health. The workshop involved amateur actors who simulated different clinical scenarios and psychiatry residents, who facilitated the sessions and provided constructive feedback following the Pendleton method. *Psychiatry Pitstop* was originally developed in the United Kingdom and it was expanded to Lisbon, Portugal, in 2019. The authors adapted the course to the Portuguese context, adjusting the number of sessions and altering the scenarios to match common clinical situations faced by junior doctors in Portugal. By now, we conducted four courses.

**Objectives:** Our study aims to describe the Portuguese adaptation of the program and to learn insights from the students feedback.

**Methods:** The course was assessed using satisfaction questionnaires, completed by the students after each session. These included a Likert scale ranging from 1 to 5, with items pertaining to Future Importance, Overall Quality, Theoretical Quality, and Practical