

Introduction: Medication is primary tactics in schizophrenia treatment. First and second generation antipsychotics (FGA and SGA respectively) affect on core symptoms. Unfortunately, it causes side effects. Metabolic syndrome one of them and includes large number of affections like body mass index changes, lipidemias, hypertension and others.

Objectives: To study the role of polymorphic variants FTO gene in metabolic syndrome in schizophrenia patients.

Methods: We were investigated 480 patients. Main criteria for inclusion in study was using antipsychotics, verified diagnosis of schizophrenia and metabolic syndrome. Mean age was 42.1 ± 1.4 years. The metabolic syndrome was assessment based on clinical data. Standard phenol-chloroform protocol for DNA isolation was used. Genotyping was carried out on six SNP's of FTO gene with real-time PCR. Statistical analysis was carried out with R 3.6.2 with basic functions and SNPAssoc package.

Results: The distribution of genotypes for variants rs7185735 and rs9939609 was not in according to Hardy-Weinberg equilibrium (a p-value less than 0.05) and excluded from further analysis. Patients with schizophrenia were divided into two groups: patients with metabolic syndrome and patients without it. We did not identify any statistically significant associations between genotypes and alleles of FTO gene and metabolic syndrome.

Conclusions: We did not find any associations of alleles and genotypes of FTO gene with metabolic syndrome in schizophrenia patients from Siberia region. Metabolic syndrome needs more further studies with larger number of samples and different populations. Conflict of interest. The authors declare no conflict of interests. Supported by Grant of RSF 19-75-10012.

Keywords: Metabolic syndrome; polymorphism; FTO gene; schizophrenia

Guidelines/guidance

EPP0709

Policies, recommendations and training to respond to patient microaggressions and hate speech aimed at healthcare professionals: A systematic review

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Introduction: Patient microaggressions and hate speech affect practitioners in all fields of healthcare. In some facilities, 100% of healthcare workers report experiencing harassment and hate speech, with the aggressors most frequently being patients. To date, there has been no systematic review of policies, recommendations and trainings on patient microaggressions and hate speech against healthcare professionals.

Objectives: A systematic review was conducted to identify recommendations and solutions for healthcare professionals on responding to patient microaggressions and hate speech. Additionally, websites of major healthcare professional organizations and the 6 largest healthcare systems were checked for policy statements related to discrimination by patients towards healthcare providers.

Methods: A literature search of PubMed, PsycINFO, Medline, ERIC and MedEdPORTAL. Articles that contained recommendations and trainings for responding to microaggressions and hate speech were retained. 13 Leading professional organizations and 6 healthcare systems were checked for policies on discrimination by patients.

Results: Our review identified 27 studies providing recommendations and trainings for healthcare professionals to address patient hate speech and microaggressions. Three professional organizations but no healthcare systems had policies on discrimination by patients.

Conclusions: Seven trainings that equip providers with tools to address patient microaggressions and hate speech were identified. Trainings included the ERASE framework; Stop, talk, and roll; interrupting microaggressions; and the OWTFD tool. Nineteen studies outlined recommendations for healthcare professionals and systems on how to respond to patient offenses. Professional organizations and healthcare systems need to create policies to support healthcare professionals who face microaggressions and hate speech.

Keyword: Patient discrimination and microaggressions and hate speech and training

Intellectual disability

EPP0710

Intellectual disability and antipsychotics.

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Introduction: Intellectual disability is a condition of cognitive impairment and deficit in adaptive skills. Mental illness is frequent in people with intellectual disability. As a result antipsychotics are often prescribed to treat not only mental illness but also problem behaviors.

Objectives: Perform a literature search about intellectual disability and antipsychotics.

Methods: A non-systematic literature review was performed on PubMed using the keywords "intellectual disability" and "antipsychotics". All papers published between 2015 and 2020 were evaluated.

Results: A review of the literature reveals that antipsychotics are the most frequently prescribed psychotropic drugs in people with intellectual disability. However, results from the studies are ambiguous. Several studies showed that antipsychotics are effective in improving problem behaviours, nevertheless some recent studies showed no significant difference in the outcomes between antipsychotics and placebo

Conclusions: Even though antipsychotics are prescribed in people with intellectual disability, evidence to support their use is lacking. In consequence, clinicians should consider the pharmacological approach as a part of an integrative treatment. Assessing adverse