

EPV0922

Therapeutic potential of serotonergic psychedelic substances in the treatment of Obsessive Compulsive Disorder

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doi: 10.1192/j.eurpsy.2022.1659

Introduction: Obsessive Compulsive Disorder (OCD) is a psychiatric disorder associated with suffering and disability. The serotonergic system is implicated in the neurobiological processes of OCD and serotonin reuptake inhibitors (SRIs) are the first-line treatment. However, clinical improvement after starting SRIs can take long and patients may not fully recover. Meanwhile, recent data suggests that activation of 5-HT receptors may exert a therapeutic action in obsessional symptoms. Some psychedelics are strong 5-HT₂ receptor agonists and there is a growing research interest as they can be a promising therapeutic approach to OCD.

Objectives: We aim to provide an overview on the current evidence on the therapeutic potential of serotonergic psychoactive substances in the treatment of OCD.

Methods: Non-systematic review. Literature search in the PubMed database using the terms psychedelics and obsessive-compulsive disorder.

Results: Although research is currently limited to a few small studies, the ones conducted so far showed clinically meaningful acute reduction of OCD symptoms after treatment with serotonergic psychoactive drugs, as well as possible longer-lasting benefits, particularly with psilocybin and lysergic acid diethylamide (LSD). Furthermore, substance-assisted psychotherapy with psychedelics has been showing promising results, being suitable for OCD treatment. It is important to add that, to date, studies have indicated relatively good tolerability to these drugs.

Conclusions: These promising early findings highlight the role of psychedelics in OCD treatment and the need for further research into efficacy, therapeutic mechanisms and safety, in order to determine whether these drugs may be worthy options for OCD treatment in the future.

Disclosure: No significant relationships.

Keywords: obsessive compulsive disorder; serotonergic psychedelics; 5-HT₂ receptor agonism

EPV0921

Obsessive-Compulsive Disorder and suicide: what do we know up until now?G. Salvadori^{1*}, L. Osaku² and M. Porcu¹¹Maringa State University, Medicine, Maringa, Brazil and ²Maringa State University, Medicine, Maringá, Parana, Brasil, Brazil

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doi: 10.1192/j.eurpsy.2022.1660

Introduction: Obsessive-Compulsive Disorder (OCD) was recently (in 2015) associated with suicidal risk, regardless of depression or other mental disorders, but it is a disorder with great heterogeneity, and the subtypes involved in this risk have not yet been clarified.

Objectives: To verify which patterns of OCD symptoms are more associated with suicidal risk, other possible risk factors and better treatment options evidenced in the literature.

Methods: Literature review with predefined search criteria and keywords in electronic databases (Pubmed, Virtual Health Library and Cochrane) between 2015 and 2020. Identification, analysis, calculation and synthesis of the results were carried out in a descriptive and qualitative manner.

Results: Twenty five articles were included. Obsessions of unacceptable thoughts pattern, perfectionism traits and alexithymia are important predictors of suicidal risk. Compulsions were not associated with suicide. Depression is the comorbidity with the greatest impact on suicidal ideation. Better socioeconomic status, education, and female gender are protective factors for mortality. The method chosen for attempts is preferably non-violent (drug intoxication). Treatments derived from cognitive behavioral therapy are currently being investigated further, and in addition to the evidence for the use of selective serotonin reuptake inhibitors, antipsychotics have been used as an adjuvant.

Conclusions: Unacceptable thoughts play an important role in suicide resulting from OCD, and the absence of compulsive behavior may be correlated to suicide risk. Treatment directed at cognitions seems relevant. Further studies are needed to clarify the appropriate approach in this subtype of the disease.

Disclosure: No significant relationships.

Keywords: Suicide; obsessive-compulsive disorder; suicidal behavior; suicidal ideation

EPV0922

¿Compulsion or perseveration? A case report.

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doi: 10.1192/j.eurpsy.2022.1661

Introduction: 54-year-old female patient who came to hospital due to psychopathological decompensation of her Obsessive-Compulsive Disorder (OCD), after 35 years under follow-up. Parkinson's disease. Psychopharmacological treatment: sertraline 100 mg (1-0-0); lorazepam 2 mg (1-1-1); Levodopa/carbidopa 100/25 mg (1-1-1). Distressed at first examination. She described increase in rituals, important intake restriction, weight impact and difficulties in home management with functional repercussions. Psychopathological exploration: conscious, oriented, and approachable. Circumstantial speech with no obsessive ideas. Increased frequency of repetitive behaviours led to a functional deterioration, becoming dependent for activities of daily living. Elevated anxiety. No major mood disorder. No psychotic symptoms. Bradykinesia. Hypophagia without anorexia. Admission is carried out. Good evolution: improvement in motor symptoms and intake restoration. No changes in repetitive behaviours.

Objectives: To discuss the differential diagnosis between OCD and Frontotemporal Dementia.

Methods: Repetitive behaviours were initially understood as rituals typical of OCD. However, the absence of both a fixed pattern of

behaviour and a structured obsessive ideation, made us consider the possibility of frontal perseveration behaviours. For this reason, a neuropsychological evaluation and a functional neuroimaging test were performed: Test Mo-CA: 9/30 with striking failures in executive functions. SPECT: mild uptake defect in the left frontotemporal region.

Results: Finally, in view of the impairment in executive functions and the frontal defects in neuroimaging, we change the initial diagnosis of OCD towards a Neurocognitive Disorder of probable frontotemporal origin.

Conclusions: The presented case evidenced the importance of differentiating obsessive compulsions from frontal perseveration to guide the differential diagnosis, given the implications for therapeutic management and prognosis.

Disclosure: No significant relationships.

Keywords: Obsessive rituals; frontotemporal dementia; obsessive-compulsive disorder; perseveration

Old Age Psychiatry

EPV0923

Sexual difficulties in old age and Person-Centered Therapy: A qualitative study with older adults

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doi: 10.1192/j.eurpsy.2022.1662

Introduction: Sexual well-being (SWB) of the older population can be significantly influenced by age (1) and sexual difficulties (2).

Objectives: Through qualitative research, this study focused on sexual themes that affect the SWB addressed by the older people in person-centered therapy.

Methods: Twenty-five older adults, aged between 65 and 82 years and residents on the community participated in this study.

Results: The results revealed eight main themes for these participants: Absence of a partner, family interference, dissatisfaction with the body, cleanliness and body care, problems in sexual function, physical violence, problems in sexual communication and fear of contracting sexually transmitted diseases. The most discussed themes were the absence of a partner, problems with sexual function and dissatisfaction with the body.

Conclusions: This study highlights the importance of exploring the sexual difficulties that the older population feels in relation to their SWB. 1.von Humboldt S et al. Sexual expression in old age: How older adults from different cultures express sexually? *Sex Res Social Policy.* 2020;1-15. 2.von Humboldt S et al. Are older adults satisfied with their sexuality? Outcomes from a cross-cultural study. *Educ Gerontol.* 2020;46:284-293.

Disclosure: No significant relationships.

Keywords: Sexual desire; sexual difficulties; person-centered therapy; Older Adults

EPV0925

Depressive Symptoms of Centenarians during the COVID-19 Pandemic: Preliminary Results of an Exploratory Study in Switzerland

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doi: 10.1192/j.eurpsy.2022.1663

Introduction: Depression is one of the most frequent mental health problems in older populations.¹ To the best of our knowledge, the prevalence of depressive symptomatology (DS) among centenarians in Switzerland is unknown. Furthermore, the COVID-19 pandemic may have had a negative impact. As part of the study SWISS100², we intend to provide key information on centenarians' levels of DS.

Objectives: To describe the DS of Switzerland's centenarians during the COVID-19 pandemic.

Methods: Randomly selected centenarians from across Switzerland and their proxy relatives were invited to participate. Data are collected via telephone. The questionnaire includes the assessment of DS via the Geriatric Depression Scale (GDS)- 5 items.³ Preliminary data were analysed using descriptive statistics.

Results: Telephone interviews were completed with 51 centenarians, and for 19 of them, proxy relatives also answered. The M_{Age} of the centenarians was 101.41 (1.47) years, 34 (66.67%) were female and 27 (52.94%) lived at home. The mean score of the GDS-5 was 1.32 (SD=1.49). Considering a cut-off ≥ 2 , 18 (36%) centenarians were screened positive for possible depression. Descriptive statistics indicated effects of gender (men: M=1.41, SD=1.46; women: M=1.27, SD=1.53) and living situation (private: M=1.07, SD=1.36; institution: M=1.61, SD=1.62). Centenarians' and proxy reports were significantly related ($\rho=0.56$; $p<.05$).

Conclusions: Clinically relevant DS are highly prevalent among centenarians during the COVID-19 pandemic (36%), which is consistent with a recent study⁴ reporting a prevalence of 32% in a sample of younger older adults (M_{Age}: 77.6, SD=6.9). To conclude, DS in centenarians should be screened systematically, especially in this time of unprecedented health crisis.

Disclosure: No significant relationships.

Keywords: depressive symptoms; Covid-19; centenarians

EPV0927

When depression envelops frontotemporal dementia: The differential diagnostic frame through a case report

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