

Introduction The level of high-risk alcohol consumption WHO is estimated at more than 40 mg for women and 60 mg for men.

Nalmefene is a new treatment that breaks the cycle of continued use of alcohol.

Methodology A sample of 18 patients of a Mental Health Centre in the province of Leon alcohol dependent and high consumption They received nalmefene 18 mg daily continuous treatment for 6–9 months is selected. We appreciate the adherence of patients and the efficacy, tolerability and impact on physical health.

Results We appreciate reduction in the amount of alcohol ingested observed by both the patient and their relatives without any cases of neglect and few side effects.

We got two patients leave the alcohol completely and an average decline in consumption over 9 Basic Units of Drink.* (90 g).

We observed improvement in the quality of life in patients with multiple pathologies and difficult social situation.

Disclosure of interest The authors have not supplied their declaration of competing interest.

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EV116

A case of marchiafava bignami disease with frontal cortex involvement and late onset, long-lasting psychiatric symptoms

C. Vecchi^{1,*}, C. Gramaglia¹, A. Feggi¹, I. Coppola¹, S. Di Marco¹, A. Venesia¹, C. Delicato¹, N. Chieppa², F. De Marchi¹, R. Cantello¹, P. Zeppego¹

¹ Università del Piemonte Orientale, Translational Medicine, Novara, Italy

² AOU Maggiore della Carità, Psychiatry, Novara, Italy

* Corresponding author.

Aims To describe the case and management of a patient with marchiafava bignami disease (MBD) with frontal cortical lesions, no specific symptoms at first referral to the emergency room, and late onset of atypical psychiatric symptoms.

Methods We report the case of a 44-year-old patient with a history of chronic alcohol abuse, eventually diagnosed with MBD.

Results Magnetic resonance showed lesions in the splenium and in the body of corpus callosum and bilateral lesions of the frontal cortex. The patient showed late-onset atypical psychiatric symptoms, which were drug resistant.

Conclusions The case we describe seems to support the existing few ones describing cortical involvement in MBD, which suggest that this is associated with a poorer prognosis. Psychiatric symptoms may be challenging to treat because of drug resistance. The involvement of psychiatrists together with neurologists and radiologists, with a consultation–liaison approach has proved important for the achievement of diagnosis and of the most appropriate management and treatment for this patient.

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EV117

Alexithymia in a sample of alcohol-dependent patients: Clinical correlations and cognitive patterns

R. Vecchiotti^{1,2,3,*}, L. Orsolini^{1,2,3,4}, M. Panichi^{1,2}, M. Marconi¹, A. Valchera^{1,2}

¹ Villa S. Giuseppe Hospital, Hermanas Hospitalarias, Department of Psychiatry, Ascoli Piceno, Italy

² Polyedra, Research, Teramo, Italy

³ Maastricht University, Department of Psychiatry and Neuropsychology, Maastricht, Netherlands

⁴ University of Hertfordshire, School of Life and Medical Sciences, Hatfield-Herts, United Kingdom

* Corresponding author.

Introduction Alexithymia represents a personality construct, characterized by an inability in identifying and verbally describing own and others' emotions. According to the recent research on emotional dysregulation and the alexithymic construct, it has been described a positive correlation between alcoholism and alexithymia. The present study aims to evaluate the presence of alexithymia in a sample of alcohol dependant patients and, therefore, analyze how the presence of these alexithymic traits may influence/interact with a range of cognitive processes such as the anger rumination, metacognitive capabilities and dissociative experiences.

Methods A sample of 40 alcohol dependant inpatients affected with alcohol dependence and alcohol-related issues were recruited, evaluated and compared with a sample of 40 healthy controls. A clinical evaluation and a complete clinical and psychological assessment were carried out in order to investigate alcohol-related clinical patterns, alexithymia construct, anxiety and depression symptomatology and cognitive pattern.

Results Subjects with alcohol addiction show higher total scores in all tests except the scale that evaluates anxiety, compared to healthy controls. Finally, a factorial ANOVA analysis demonstrated that alcoholism seems to be determined by the lack of emotional recognition from which derives a dissociative state, which consequently generates a depressive rumination.

Conclusions According to the recent literature, the present study identifies a significant proportion of alexithymic patients within the sample of subjects affected by alcohol-related disorders. Other clinical variables (i.e. depression, pathological anxiety-related worry, anger rumination, dissociation and metacognitive capabilities) mirror a specific cognitive pattern in the sample of alcoholics rather than the healthy group.

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EV119

Changes in qualified detoxification treatment of inpatients with multiple substance use: Impacts on key figures, a pre-post-study in an open door unit in Saxony, Germany

B.S. Voigtlaender*, J. Schneider, H. Groß, T. Barth
Klinikum Chemnitz gGmbH, Psychiatry-Behavioural Medicine and Psychosomatics, Chemnitz, Germany

* Corresponding author.

Introduction Detoxification treatment of adults at younger ages suffering from polysubstance dependence on our department pursues an integrative therapeutic concept. In addition to addiction-specific, topic-centred group and talk therapy orientation also behavioural therapy elements are included: a penalty points system provides negative sign stimuli for undesirable behaviour.

Objectives Since 2010, both rate of psychotic disorders and number of N-methylamphetamine consumers ($P < 0.001$) have been growing impressively while the proportion of repeated admissions amounted to > 55%. Dissatisfying trends were identified by longitudinal measurement, e.g. regarding ALOS, kind of discharge, bed occupancy.

Aims Targeted changes in treatment were established in the 2nd half of 2014. In particular, the penalty point system was adapted towards less restrictive rules, combined with slightly reduced ther-

apeutic intensity in order to come better on the disorder-related needs of the patients. Staffing level and structure remained stable.

Methods Key figures including quality criteria and performance data such as LOS, kind of admission and discharge, service intensity, and bed occupancy were evaluated by a pre-post study (pre: 1st half of 2014, N = 76/post: 1st half of 2015, N = 77) using descriptive and test statistics.

Results Socio-demographic patient data remained stable. Regarding selected key figures there were significant changes (LOS > 21 days: $P < 0.05$; bed occupancy: $P < 0.001$; therapeutic contacts < 25 min: $P < 0.001$) and positive trends, e.g. decreased ratio of non-regular discharges.

Conclusions Our data suggest that punishment-oriented interventions impede addressing specific needs of inpatients with multiple substance use whereas more need-oriented interventions may lead to improvements. Further evaluation including patient satisfaction is indispensable.

Disclosure of interest The authors have not supplied their declaration of competing interest.

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EV120

Decrease of velocity and acceleration of fast eye movement after the administration of methadone

P. Walecki^{1,*}, E. Gorzelanczyk², J. Feit², M. Kunc³

¹ Jagiellonian University Medical College, Department of Bioinformatics and Telemedicine, Kraków, Poland

² Nicolaus Copernicus University in Torun, Collegium Medicum, Bydgoszcz, Poland

³ Airedale NHS Trust, Faculty of Medicine, Steeton, United Kingdom

* Corresponding author.

Aims The goal of this study is to assess the differences in peak and medium velocity, peak and medium acceleration of eyeball movements after the administration of methadone.

Materials and methods Twenty-eight opioid addicts were examined. Patients admitted oculomotor impaired were excluded.

In this study, we made use of the Saccadometer Advanced (Advanced Clinical Instrumentation, Cambridge, UK), allowing the measurement of eye position with the time resolution of 1 msec (1000 Hz). The eye movement measurement is automated and synchronised with stimuli presentation. Before and after the administration of methadone two saccadic tests were carried out: Prosaccades Test (PT) and Antisaccades Test (AT).

Results The average of peak and medium velocity and the average of peak and medium acceleration of eyeball movements in the test AT were lower than in the PT test. After administration of a single dose of methadone the peak and medium velocity, peak and medium acceleration decreased in both tests (PT and AT). After administration of methadone prolonged the duration of saccades, and prolonged the duration of rising and falling slope of saccades.

Conclusion It was found that methadone (μ -opioid receptor agonist) is associated with change of velocity and acceleration of eyeball movements.

Disclosure of interest The authors have not supplied their declaration of competing interest.

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EV121

Effects of BF-HRV of opioid-dependent persons with pathological gambling

E. Gorzelanczyk¹, J. Feit¹, K. Pasgreta¹, E. Laskowska¹, P. Walecki^{2,*}

¹ Nicolaus Copernicus University in Torun, Collegium Medicum, Bydgoszcz, Poland

² Jagiellonian University Medical College, Department of Bioinformatics and Telemedicine, Kraków, Poland

* Corresponding author.

Introduction It is necessary to search for and to carry out effective treatments for chemical dependency – including behavioral addictions. One of the methods used in various disorders is a biofeedback HRV (BF-HRV). The aim of the study is to examine the impact of BF-HRV on people addicted behaviorally to gambling and chemically dependent patients on opioids.

Material and methods Twenty-four opioid addicts were examined. We used emWave (HeartMath) with a heart rhythm monitor to learn stress reduction and emotional management skills. For a detailed analysis of the HRV data was used Kubios 2.0 software (Biosignal Analysis and Medical Imaging Group).

Results The average value of the three components of HRV, i.e. low (LF), medium (MF) and high (HF) frequencies of spectral energy FFT recorded during six consecutive sessions of BF-HRV were the following: 1st session LF 63%; MF: 17%; HF: 19%. Changing parameters in the next sessions: 2nd session LF –9.27%, MF: +0.50%, HF: +6.19%; 3rd session LF –11.11%, MF: +1.00%, HF: –10.07%; 4th session LF –14.27%, MF: –4.17%, HF: +18.77%; 5th session LF –15.02%, MF: –2.04%, HF: +17.07%; 6th session LF –20.86%, MF: –4.04%, HF: +24.90%.

Conclusions After the BF-HRV training decrease low and medium frequencies (LF-MF) and increase high frequency (HF). Recent studies suggest that LF-HRV is an index of cardiac sympathetic control and the LF/HF ratio is an index of sympathovagal balance.

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EV122

Relationship between severity of tobacco dependence and personality traits, insomnia and impulsivity in male and female individuals entering alcohol treatment

A. Wnorowska^{1,*}, P. Serafin¹, A. Topolewska-Wochowska¹, A. Klimkiewicz¹, A. Jakubczyk¹, K. Brower², M. Wojnar¹

¹ Medical University of Warsaw, Psychiatry, Warsaw, Poland

² University of Michigan, Psychiatry, Ann Arbor, USA

* Corresponding author.

Introduction Tobacco dependence (TD) often coexists with alcohol dependence. Previous research documented that both biological and environmental factors influence simultaneous development of the two disorders. However, it has not been determined whether the same psychological and psychopathological factors affect TD in alcohol-dependent males and females.

Aim The objective of the study was to assess risk factors for high severity of TD in alcohol-dependent individuals considering gender differences.

Methods The study entailed two groups: male ($n = 284$) and female ($n = 102$) subjects entering alcohol addiction treatment programs in Warsaw, Poland. Standardized instruments were used to assess: severity of TD – Fagerstrom Test for Nicotine Dependence, personality traits – NEO-Five Factor Inventory to assess, consequences of drinking – Short Inventory of Problems, impulsivity – Barratt Impulsivity Scale, and Sleep Disorder Questionnaire-7 as a measure of insomnia.

Results In the studied sample, current smokers comprised 79.1% ($n = 225$) of male and 79.4% ($n = 81$) of female participants. Multivariate regression model showed that high negative consequences of drinking ($P = 0.001$) and low NEO Openness score ($P = 0.009$) were associated with high risk of TD in female alcoholics (corr. $R^2 = 0.223$; $P < 0.0005$). Bivariate analyses showed that TD was associated with impulsivity, openness, agreeableness and neuroticism