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Introduction: Chronic Hepatitis C infection is considered a systemic disease with extrahepatic manifestations, mainly neuropsychiatric symptoms' which is associated with a chronic low-grade inflammatory state' Hepatitis C virus (HCV) eradication is currently achieved in >98% of cases with oral direct-acting antivirals (DAA).

Objectives: To study potential clinical neuropsychiatric changes (mood, cognition, sleep, gastrointestinal, sickness, and motion) in HCV-infected patients after HCV eradication with DAA.

Methods: Design: Cohort study. Subjects: 37 HCV-infected patients, aged <55 years old, with non-advanced liver disease receiving DAA; free of current mental disorder. 24 healthy controls were included at baseline. Assessment: -Baseline (BL) (socio-demographic and clinical variables, MINI-DSM-IV, and Neurotoxicity Scale (NRS), (mood, cognitive, sleep, gastrointestinal, sickness and motor dimensions). Follow-up: End-of-treatment, 12weeks-after and 48weeks-after DAA: NRS. Analysis: Descriptive and bivariate non-parametrical analysis.

Results: NRS total score and dimensions where different between cases and controls (.000) at baseline. NRS total score (.000) and mood (.000), cognition (.000), sleep (.002), gastrointestinal (.017), and sickness (.003), except motor dimension score (.130) showed significant longitudinal improvement.

Conclusions: HCV-infected patients with mild liver disease presented significantly worse scores for neurotoxicity symptomatology in all dimensions compared to healthy individuals. After HCV eradication with DAA, both at short and long follow-up a significant improvement of the NRS total score and each of the dimensions (except motor) were observed. However, they did not reach the values of healthy individuals, suggesting a not complete neuropsychiatric restoration in the period studied. Grant: ICIII-FIS:PI17/02297.(One way to make Europe) (RMS) and Gilead Fellowship-GLD17/00273 (ZM); and the support of SGR17/1798 (RMS)

Disclosure: No significant relationships.

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EPP0337

Multiple Chemical Sensitivity: The Underrecognized Diagnosis but True Disease.

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Introduction: Multiple chemical sensitivity (MCS) is a chronic condition characterized by adverse health effects due to exposure

to common chemicals which may lead to disability. The pervasive nature of stigma associated with MCS and similar conditions, including that which exists among providers, creates unbearable barriers to healthcare access.

Objectives: The main objectives of this study are: (1) to describe the symptoms associated with MCS, (2) determine whether environmental exposure has an impact on psychological well-being of patients with MCS.

Methods: The qualitative phenomenological study consisting of 42 individuals presenting with medically-unexplained symptoms was conducted using semi-structured interviews.

Results: The symptoms experienced by participants with MCS are diverse, with common symptoms being migraine, paresthesias, seizure-like attacks, allergic reactions, respiratory symptoms (e.g., SOB, swollen throat), GI distress, muscle pain, chronic fatigue and persistent insomnia. These symptoms always develop in response to low level exposures to various toxicants, recur reproducibly and improve when toxic agents are removed. Finally, the adults with MCS are more likely to experience significant affective and PTSD-like reactions. The participants stated the stigmas and misconceptions against those with toxicant sensitivities affected their mental wellness.

Conclusions: Multiple clinically significant behavioral and psychological symptoms are associated with MCS. Our data suggested that diagnostic overshadowing is pervasive in the healthcare system. This study also highlights the importance of psychological interventions and doctor-patient relationship in the management of MCS in various settings. Public education to increase knowledge around environmental illness is paramount.

Disclosure: No significant relationships.

Keywords: sensitivity; exposure; intolerance; toxicant

EPP0339

Chaos Unleashed: The impact of recreational drugs and COVID on young adults

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Introduction: This case series reveals a number of young adults, whom after chronic use of recreational drugs, suffer the life-long consequence of severe chronic mental illness.

Objectives: • Review the illicit drugs that are commonly associated with psychotic symptoms. • Highlight exposures theorized to impact genetics associated with DSM 5 diseases. • Compare trends in illicit drug use during the worldwide COVID pandemic.

Methods: A literature review is used to examine the impact of COVID pandemic on illicit drug use in metropolitan cities in European countries and compare the trends with what is seen by the consult liaison psychiatry service at a metropolitan community hospital in the USA.

Results: In European Countries with data available, there were measurable differences in which illicit drugs were used most during