

## Obesity, alcohol use disorders and bariatric surgery Screening bariatric surgery patients with Ethyl glucuronide

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### Abstract

The relationship between obesity, alcohol use disorders and bariatric surgery has gained attention over the last years, especially since the prevalence of both obesity and bariatric surgery has been on the rise. It is therefore essential to correctly screen alcohol use in this population. We aimed at evaluating alcohol use with EtG, in combination with the AUDIT-C questionnaire, in bariatric surgery candidates in order to ascertain whether EtG might help to clarify and validate patients' self-reported measures of alcohol drinking patterns.

We performed a cross-sectional evaluation including AUDIT-C and EtG. 197 participants accepted participation and completed the assessment. From them, 68.5% were women and 31.5% men, with a mean age of 46.7 years (range 18 – 66 years). The number of risky drinkers identified with the AUDIT-C was 14 (7.1%). EtG was positive in 29 patients. In the logistic regression models, EtG and sex were positive predictors of risky drinking as measured by the AUDIT-C questionnaire.

Our results support the use of a direct ethanol metabolite such as EtG in the screening of bariatric surgery candidates, not as a substitute of other screening instruments such as validated questionnaires, but as a synergistic tool that can potentially increase the validity of the evaluation.

**Keywords:** Comorbidity, Psychopathology, Alcoholic Disorder



### Biography:

Anna Lligona has completed Degree in Medicine and Surgery from the Autonomous University of Barcelona in 1985 and specialty in psychiatry. Attached to the Unit of Addictions of the Hospital Clinic de Barcelona since 1992. She has worked in

different fields of the hospital and outpatient addictive illness, such as the connection psychiatry in the treatment of addictive pathology in hospitalized patients, evaluation of candidates for liver transplantation, prescribed opioid program together with the pain clinic, group therapies. Author of various articles in the field of addiction and iatrogenic. Teacher in multiple courses and congresses.

### Speaker Publications:

1. "Alcohol abstinence in patients surviving an episode of alcoholic hepatitis: Prediction and impact on long-term survival", *Hepatology/ Vol 66 (6), 2017, 1842-1853.*
2. "Alcohol Consumption and Inpatient Health Service Utilization in a Cohort of Patients with Alcohol Dependence after 20 Years of Follow-up", *Alcohol and Alcoholism/ 2016, Vol 52(2).*
3. "Alcohol Consumption in Upper Aerodigestive Tract Cancer: Role of Head and Neck Surgeons' Recommendations" *Alcohol/ Vol 51, 2016, 51-56.*
4. "Psychiatric Comorbidity in Treatment-Seeking Alcohol Dependence Patients with and Without ADHD" *Journal of Attention Disorders/ 2015, Vol 23(12).*
5. "Adult ADHD screening in alcohol-dependent patients using the Wender-Utah Rating Scale and the adult ADHD Self-Report Scale" *Journal of Attention Disorders/ 2014, 19(4).*
6. "Gender differences in the long-term outcome of alcohol dependence treatments: An analysis of twenty-year prospective follow up", *Drug and Alcohol Review/ 2012, 32 (4) 381-388.*

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