

Clinical Mass Spectrometry Forum on

The role of LC-MS/MS in monitoring alcohol abstinence

Date: 16th August, 2021

Location: Virtual Forum

Time: 13:00-14:00

Price: Free

Chair: Associate Professor David Sullivan - Head of
Chemical Pathology Department at RPA
Hospital

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The link for the forum is:

[https://urldefense.com/v3/https://global.gotomeeting.com/join/679544221;!!LUsMDrd6!22PR-Py8C1rbz8f4OxNiAKEvE1toU6LZzPJ7qvp20CZSM-W7qft6wDv4RFDCExkl1ISCgw\\$](https://urldefense.com/v3/https://global.gotomeeting.com/join/679544221;!!LUsMDrd6!22PR-Py8C1rbz8f4OxNiAKEvE1toU6LZzPJ7qvp20CZSM-W7qft6wDv4RFDCExkl1ISCgw$)

13:00-13:30

Routine integration of Phosphatidylethanol (PEth) testing into the hepatology clinic

Presenter: *Dr Anastasia Volovets, MBBS, FRACP, Staff Specialist, AW Morrow Gastroenterology & Liver Centre/ Drug Health Services/ Australian National Liver Transplant Unit, Royal Prince Alfred Hospital, Sydney Local Health District*

Dr Anastasia Volovets is a consultant gastroenterologist with an interest in advanced liver disease and its outcomes pre and post transplantation. She works in the Australian National Liver Unit in a shared role between Drug Health and Gastroenterology. She is the clinical lead for the multidisciplinary advanced alcohol related liver clinic focused on integrated care of managing psychological and addiction comorbidities in patients with advanced alcohol related liver disease.



Abstract:

Alcohol related liver disease (ARLD) is a common problem in all hepatology units, and represents an increasingly common indication for liver transplantation. Prognosis of ARLD is directly related to abstinence, both pre and post transplantation. Prior to development of biomarkers such as PEth, abstinence was assessed by self-report of the patients, which is known to be unreliable. Routine integration of PEth testing into a hepatology clinic allows for better diagnosis of ARLD, allowing for early diagnosis and improving the management of alcohol relapse as well as identifying which patients require extra support through the transplant pathway.

13:30-14:00

Alcohol Biomarkers: An Overview

Presenter: Mr Van Long Nguyen, Scientist in the department of Chemical Pathology at Royal Prince Alfred Hospital

Van Long Nguyen is a scientist in the department of Chemical Pathology at Royal Prince Alfred Hospital with 5 years' experience in clinical mass spectrometry, liquid chromatography and method development. He recently graduated from the University of Sydney in the field of Medical Sciences which included research on Alcohol Biomarkers.

Abstract:

There are a number of markers available for the assessment of alcohol abstinence. Examples of three markers are explored in which mass spectrometry serves as a valuable tool in their detection. Common method development approaches utilised in the field are presented as well as challenges facing the testing laboratory.

