

THE VARIABILITY OF LIPIDS IN HUMAN MILK

AUGUST

31

ASIA-PACIFIC REGION

12:00 AM EDT

6:00 AM CEST

12:00 PM SGT



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Lipids in breastmilk play a critical role in infant growth and development. However, few studies have investigated sources of variability of both high- and low-abundant milk lipids. We measured the levels of 237 lipid species from 13 sub-classes using reversed-phase liquid chromatography mass spectrometry (RP-LCMS) and direct-infusion mass spectrometry (DI-MS) in a cohort of 20 healthy women across two time-points. The presentation will look at the common issues faced with measuring lipids in human milk as well as the inter- and intra-individual variation of the breastmilk lipidome.



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