Serum metabolomics by GC/MS as a novel diagnostic approach for diseases
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Metabolomics provides data about all the metabolic processes of a cell or organism. So far, the changes that occur in the levels of metabolites during the development of diseases have not been fully elucidated. Here, we examined the changes of metabolite levels in the sera and tissues using gas chromatography mass spectrometry (GC/MS) with the aim of achieving a detailed understanding of the pathogenesis of diseases. Our results suggest that metabolomics is capable of representing the various degrees of diseases, and furthermore our findings will aid in the discovery of therapeutic agents for diseases by metabolomics approaches.

(Keywords: metabolomics, disease, mass spectrometry)

Reference