

Special Issue

Emerging Value of Measuring Blood Fatty Acids in Disease Risk Prediction

Message from the Guest Editor

We are pleased to introduce this Special Issue of *Nutrients* focusing on the critical importance of measuring blood fatty (FA) acids when interrogating the role of fatty acids in health and disease. Fatty acids, not only serve as major substrates for energy production, but they are also critical for physiological functions, such as structure and function of cell membranes influencing their fluidity and permeability. Fatty acids are critical for normal growth, neurological and visual development as well as cognitive and immune function. The blood FA composition reflects diet and is strongly correlated with fatty acid intake. Fatty acid deficiency can result from unbalanced diet, malabsorption or maldigestion syndrome and diseases of the liver where chain elongation and desaturation of long chain PUFA are mainly located. Increasingly, studies have reported modified blood fatty acid distribution in various diseases. It is becoming clear that blood levels of omega-3 fatty acids exhibit a relationship to CVD while fixed daily doses may not. Beyond limited bioavailability and metabolism, monitoring of the blood FA becomes increasingly important as a potential risk factor for diseases and a dietary modifiable prevent strategy and maker.

Guest Editor

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Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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