



Disease Markers

Special Issue on

Metabolism of Fatty Acids as Biomarkers of Dietary Fat Intake Related to Pathological Conditions

CALL FOR PAPERS

Cardiovascular diseases are the leading cause of morbidity and mortality in human population. Several key factors which contribute to appearance of cardiovascular diseases are abdominal obesity, hypertension, diabetes, physical activity, alcohol consumption, and dietary fat intake. The fatty acid composition of serum, erythrocytes, and adipose tissue phospholipids is valid biological markers of dietary fat intake. However, metabolism of fatty acids depend on not only dietary intake but also their endogenous synthesis as well as interindividual genetic variations in genes involved in the metabolism of fatty acids and may be changed in different pathological states. For these reasons future investigations should provide precise insight into the effects of individual fatty acids on modification of risk factors which will significantly improve cardiovascular health. A thorough understanding of the role of fatty acids in obesity, inflammatory processes, and insulin and diabetes related factors enables a better determination of the optimal level of dietary fatty acids with maximal effects on the greatest number of health risk factors.

We invite authors to contribute original research articles as well as review articles that will contribute to a better understanding of the role of fatty acids metabolism in occurrence and prevention of cardiovascular invents.

Potential topics include, but are not limited to:

- ▶ Fatty acids as biomarker of dietary intake and indicator of cardiovascular disease
- ▶ Nutrigenomics of fatty acid
- ▶ Obesity, systemic inflammation, diabetes, and fatty acids
- ▶ Physical activity in prevention and treatment of chronic diseases
- ▶ Nutritional intervention and cardiovascular disease

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/dm/fabc/>.

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