Topical Collection

Clinical Advances in Neuromuscular Diseases: Neurometabolic Disorders

Message from the Collection Editors

Metabolic disorders are characterized by the deficiency or dysfunction of essential metabolites and most commonly manifest with neurological symptoms due to impaired brain development or functioning. Due to their low incidence and high mortality, metabolic disorders are traditionally the preserve of pediatric neurologists; however, some can present in adulthood and increasing numbers of patients transition into adult services. Recent advances have been reported in mitochondrial encephalomyopathies and neutral lipid storage disorders. The covered topics of interest in this Topical Collection include, but are not limited to, the following:

- Glycogen storage disorders;
- Pompe, McArdle diseases and Danon disease;
- Lipid metabolic disorders, i.e., carnitine deficiency, organic aciduria, RR-MADD, NLSD-M and NLSD-I;
- Mitochondrial encefalomyopaties;
- Muscular dystrophies mimicking metabolic disorders with cramps or myoglobinuria, such as Becker muscular dystrophy, calpainopathy, dysferlinopathy, etc.

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About the Journal

Message from the Editor-in-Chief

Muscles is a publishing platform that promotes discoveries related to the realm of neuromuscular disorders (genetic and acquired neuromuscular disorders in man) and relevant cell and animal models. The journal aims to be a publishing venue that disseminates scientific papers with emphasis on multidisciplinary approaches to understand the complexities and interactions occurring on a variety of metabolic, endocrinological and neurogenic disorders. Papers on sarcopenia, exercise and atrophy/hypertrophy of muscles will be given space and attention, as will clinical trials and possible pharmacological interventions. A rapid turnaround time and full open access provide the opportunity to make research results immediately available to scientific communities and the general public.

Editor-in-Chief

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