

Special Issue

Nutrition for Brain Development and Repair

Message from the Guest Editor

Nutrients are a prerequisite for the growth and development of any organism and of major importance for brain development. Fetuses, newborns, and infants exposed to poor nutritional support are at high risk for neurodevelopmental deficits. Nutrients can potentially play an active neuroprotective role on developmental brain injury. Nutrients with specific direct or indirect activities such as antioxidant, anti-inflammatory, and neurotrophin expression could reduce induced brain damage. As a general neuroprotective strategy, the optimization of protein, fatty acids, and energy intake during gestation and after birth is the most important step toward this goal, but the addition of specific active nutrients can further reduce damage by specifically targeting injury and/or repair.

The aim of this Special Issue is to put together high-quality research, clinical or experimental, that looks for the effects of lack or altered nutrition during prenatal and postnatal brain development, but also for neuroprotection conferred by specific nutrients.

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About the Journal

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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