



nutrients



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Vitamin C: From Bench to Bedside

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Message from the Guest Editors

Vitamin C (ascorbic acid) is a normal liver metabolite in most animals, with humans being a notable exception due to random genetic mutations that have occurred during our evolution. As such, it has become a vitamin (vital to life), with requirements increasing significantly during various illnesses, particularly severe infections. Recent international clinical trials are highlighting the potential for intravenous vitamin C administration to improve clinical outcomes for patients, particularly those with severe respiratory illness and sepsis, and some cancers. Furthermore, there has been an upsurge in new discoveries and new mechanistic insights, particularly around epigenetic regulation by vitamin C, that are providing rationales for future targeted clinical trials.



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