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Diet Therapy and Nutritional Management of Phenylketonuria

Guest Editor:

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Deadline for manuscript submissions:
closed (1 December 2021)

Message from the Guest Editor

Phenylketonuria (PKU) is an established inherited amino acid disorder with a very traditional dietary therapy, but there is still more to learn and verify about its nutritional composition, application and overall effectiveness. Although in the 1950s, the first patient successfully treated with diet therapy patently established the role of a low phenylalanine protein substitute, in present times, it is still necessary to characterise the most effective source of artificial protein; defining its optimal amino acid profile; and identifying nutrient modulation that will improve the functionality of protein substitutes. It is also important to understand the impact of a life-long synthetic diet on gut microbiota, metabolomics and inflammatory status.

This Special Issue on dietary management of PKU shall bring together a collection of research articles that will advance knowledge in current areas lacking scientific clarity or with limited and incomplete evidence to support dietary practice.

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