



## Nutritional Problems of Children and Adults in Chronic Kidney Disease

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### Message from the Guest Editors

Dear Colleagues,

The topic of chronic kidney disease nutrition depends on the stage of the patient's disease and nutritional status. The slow, irreversible, and progressive deterioration of kidney function, brings with it many challenges for both adult and pediatric patients.

Increased protein catabolism and protein malnutrition are common symptoms in patients. Moreover, it cannot be determined whether the low levels of thyroid hormones in CKD patients are an adaptation that reduces energy expenditure and minimizes protein catabolism, or the abnormal adaptation involved in the wasting syndrome.

Therefore, diet therapy is focused on: inhibiting kidney damage, preventing malnutrition, reducing the severity of metabolic disorders.

However, in the case of children, the topic is even more complicated.

Metabolic disorders include growth hormone (GH) and insulin-like growth factor I (IGF-I), alteration of bone and mineral (calcium and phosphate) metabolism, leading to osteodystrophy. Therefore, the purpose of this Special Issue is to discuss various solutions and help CKD patients.

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