

*Perspective***Fluids and foods: A dietary approach can aid in the reduction of kidney stones**

Xiwg Yan*

Department of Urology, Nanjing Medical University, Nanjing, China.

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DESCRIPTION

Kidney stones are small, hard deposits that form in the kidneys when certain substances in the urine become highly concentrated. These crystals can cause intense pain and discomfort as they travel through the urinary tract. While medical interventions are often necessary, adopting a kidney-friendly diet can play a significant role in preventing and reducing the risk of kidney stones.

Understanding kidney stones

Kidney stones can be composed of various substances, including calcium, oxalate, and uric acid. The formation of these stones is influenced by factors such as dehydration, diet, and genetic predisposition. The pain associated with kidney stones is often described as one of the most severe pains one can experience, making prevention a key focus for those prone to developing stones.

Hydration: One of the most effective ways to reduce the risk of kidney stones is to maintain adequate hydration. Water helps dilute the substances in the urine that lead to stone formation, making it less likely for crystals to come together and form stones. Aim to drink plenty of water throughout the day, and consider increasing your intake during warmer weather or if you engage in physical activity.

Foods that support kidney health: Beyond staying hydrated, specific dietary choices can contribute to the prevention and reduction of kidney stones. Here are some foods that may play a positive role.

Citrus fruits: Citrus fruits like lemons, oranges, and grapefruits are rich in citrate, a natural inhibitor of stone formation. Adding a splash of citrus to your water or incorporating these fruits into your diet can be beneficial.

Leafy greens: Vegetables such as spinach, kale, and Swiss

chard are excellent sources of dietary calcium and magnesium. These minerals can bind to oxalate, reducing its absorption and lowering the risk of calcium oxalate stone formation.

Watermelon: This hydrating fruit not only contributes to overall fluid intake but also contains high levels of water and potassium, which may help prevent the formation of certain types of kidney stones.

Berries: Berries like strawberries, blueberries, and raspberries are rich in antioxidants and may have protective effects against kidney stones.

Low-oxalate foods: While oxalates are found in many plant foods, reducing the intake of high-oxalate foods, such as beets, nuts, and chocolate, may be advisable for individuals prone to oxalate stones.

Probiotic-rich foods: Fermented foods like yogurt and kefir contain probiotics that may influence gut health. Some studies suggest a link between gut health and kidney stone formation, making probiotic-rich foods potentially beneficial.

Limiting sodium and animal proteins: On the flip side, there are certain foods that individuals prone to kidney stones may want to moderate:

Sodium: High sodium intake can lead to increased calcium excretion in the urine, potentially contributing to the formation of stones. Limit processed foods and be mindful of salt intake.

Animal proteins: Reducing the consumption of red meat, poultry, and fish can be beneficial, as these foods contain purines and can increase the risk of uric acid stones.

It's important to note that individual dietary needs vary, and consulting with a healthcare professional or a registered dietitian is crucial for developing a personalized approach to kidney stone prevention. Factors such as the type of kidney stones, overall health, and lifestyle should be taken into

*Corresponding author. Xiwg Yan, Email: Xiwg@Yan.cn.

consideration when crafting a dietary plan. Kidney stones can be a painful and recurrent issue for some individuals, adopting a kidney-friendly diet can be a proactive and empowering step in reducing the risk of stone formation. By making thoughtful

choices, staying hydrated, and seeking professional guidance, individuals can support their kidney health and potentially minimize the occurrence of kidney stones.