

Fresh meats often contain additives harmful to kidney disease patients

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This is Richard Sherman, M.D., of the American Society of Nephrology. Credit: none

Uncooked meat products enhanced with food additives may contain high levels of phosphorous and potassium that are not discernable from inspection of food labels, according to a study appearing in an upcoming issue of the *Clinical Journal of the American Society Nephrology* (CJASN). This can make it difficult for people to limit dietary phosphorous and potassium that at high levels are harmful to kidney disease patients.

Kidney disease patients on dialysis must watch their intake of dietary

phosphate so that their blood phosphate levels do not rise. This is important because high blood phosphate levels may cause premature death in [dialysis patients](#). [Kidney disease](#) patients also must limit their intake of potassium, because high blood potassium levels can cause sudden death.

One growing source of dietary phosphorous and potassium is through "enhanced" fresh meat and poultry products. These foods are injected with a solution of water with sodium and potassium salts (particularly phosphates) as well as antioxidants and flavorings. While ingesting phosphates and potassium can be dangerous for dialysis patients, there is no requirement that these ingredients be included in nutrition labels. There also have been no studies on the levels of phosphates and potassium contained in fresh meat and poultry products that have been "enhanced."

Richard Sherman, MD, and Ojas Mehta, DO (University of Medicine and Dentistry of New Jersey, Robert Wood Johnson Medical School), examined the potassium and phosphate content in a variety of "enhanced" and additive-free meat and poultry products available in local supermarkets. They found that products that were labeled as "enhanced" had an average phosphate concentration that was 28% higher than additive-free products, with some products almost 100% higher. Potassium content was variable. Additive-free products all contained

"The burden imposed on those seeking to limit dietary phosphorus and potassium could be ameliorated by more complete food labeling by manufacturers," the authors wrote.

More information: The article, entitled "Phosphorus and [Potassium](#) Content of Enhanced Meat and Poultry Products: Implications for Patients Receiving Dialysis," will appear online at cjasn.asnjournals.org/ on July 23, 2009, [doi 10.2215/CJN.02830409](https://doi.org/10.2215/CJN.02830409) .

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