Melamine nephropathy

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Dear Editor,

I read the recent publication on melamine nephropathy by Kobayashi et al. [1] with a great interest. Kobayashi et al. reported that “Melamine and cyanuric acid in combination, but not by melamine alone induce crystal formation and affected renal functioning. Renal failure due to melamine cyanurate crystals appears to occur via tubular occlusion [1].” Indeed, there is no doubt that the tubular renal pathology can be seen in this animal model. In human beings, there are some reports on the similar pathology in infantile patients [2]. Wiwanitkit et al. [3] recently analyzed the geometrical appearance of melamine and melamine cyanurate crystal and clearly demonstrated that the obstruction of renal tubule in infant due to melamine cyanurate crystal could be expected to be an important pathogenesis of renal failure in the intoxicated infants.

References

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