

Miracle Febuxostat(An Image Report)

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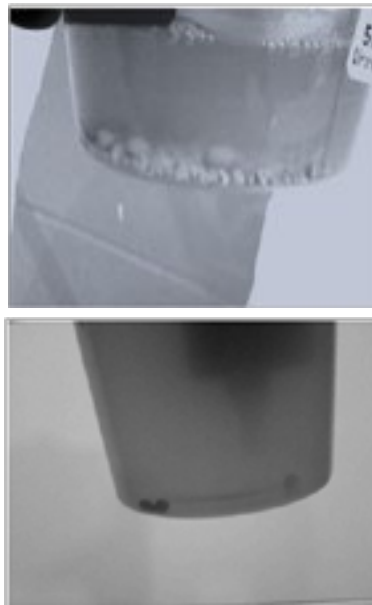
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1. Clinical Image

Monosodium Urate Monohydrate urolithiasis became a serious problem since a wide distribution of metabolic syndrome with overweight and hyperuricemia [1]. Our experience shows that massive excretion of the urate stones may encounter in patients with gout, mild hyperuricemia without uricosuric agents. Low purine diet, alkalization with appropriate food and soda drink and purine lowering medications (xanthine oxidase inhibitors)are recommendations [2]. The problem may be in limited urate lowering activity of allopurinol. New xanthine oxidase inhibitor (febuxostat) provided to be promising for severe reduction of the uric acid in serum [3]. That may be important in cases of massive urate stone urinal excretion and multiple tophaceous gout. Febuxostat was therapy in our case of 63 year-old man with non-tophaceous gout and massive macroscopic urinary stone excretion confirmed bybiochemistry analysis (**Figure 1**). Urates were going to obstruct urinary system. During 7 weeks of the Febuxostat therapyserum uric acid decreased from 8.8 to 2.9 mg/dl.The urine cleared after 6 months(**Figure 2**).Of a sad medical historical document the russian monarch Peter The Great died from urolithiasis and renal failure in 1725. He was fifty-two years and seven months when he died. Febucostat might be salvage treatment.



Reference

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2. Jalal DI, Chonchol M, Chen W, Targher G. Uric Acid as a Target of Therapy in CKD. *Am J Kidney Dis.* 2013; 61(1): 134 - 146.
3. Benn CL, Dua P, Gurrell R, Loudon P, Pike A, Storer RI, et al. Physiology of Hyperuricemia and Urate-Lowering Treatments. *Front Med (Lausanne).* 2018; 5: 160.