Answer: C. Ethacrynic acid.

Sulfonamide antibiotics are well known to cause allergic reactions, most commonly dermatologic. Occasionally they may cause acute interstitial nephritis. Physicians may be less aware that sulfonamides are chemically related to other medication classes including loop diuretics. These medications, such as furosemide, can also cause allergic syndromes with dermatologic and renal manifestations. The patient’s acute kidney injury began to resolve and his associated rash improved once furosemide was discontinued. Ethacrynic acid was used instead, as it is the only loop diuretic that does not contain a sulfonyl side chain. Physicians should consider loop diuretics as a causative agent when evaluating a patient with a new rash consistent with that of a sulfonamide reaction.

References

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