


Hyponatremia*Komaragiri Krishna*

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ABSTRACT

Amphotericin-B is an potent drug which belongs to antifungal medication approved by U.S food and drug administration (FDA) and world health organization(WHO). Which shows anti-mycotic activity. The drug amphotericin is used treat serious life threatening fungal infections. This drug amphotericin works on slowing the growth of the fungi and therefore it fights on the infections that is caused by fungal organisms . So therefore amphotericin-B is effective drug therapy against fungal infections. However this medications mainly associated with renal problems like acute interstitial nephritis(AIN), acute renal failure(ARF) , renal tubular acidosis(RTA) . Here drug integrate with the physiology of each successive nephron segment . so the receptors, transporters, Channels are affected. and hence fluid electrolytes and acid base imbalance occurs Therefore the drug amphotericin itself induces electrolyte imbalance occurs in kidneys which it leads to decreased Na^+ , K^+ , Mg^{+} levels in body and hence the drug amphotericin-B finally causes hyponatremia, hypomagnesemia , hypokalemia. So electrolytic therapy should be prescribed along with this drug to patients.

Access this Article Online	Quick Response Code: 
Website: http://www.journalofhospitalpharmacy.in	
Received on 05/04/2020	
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