



**Journal of Hospital Pharmacy**  
**An Official Publication of Bureau for Health & Education Status Upliftment**  
(Constitutionally Entitled as Health-Education, Bureau)

**A Review on Complications of the Hemodialysis**

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**Abstract**

In patients with chronic renal failure undergoing dialysis the mortality rate from cardiovascular conditions is 10 to 100 fold than in general population. The higher mortality rate is due not only to the influence of traditional risk factors, such as hypertension, diabetes, obesity, dyslipidemia and cigarette smoking, but also to specific factors of uremic patients. Acute complications commonly take place during routine hemodialysis treatments (HD) due to unsteadiness in the cardiovascular system balance. We will review most important cardiovascular complications during HD from hypotension to ventricular hypertrophy, from arrhythmias to sudden death, and finally myocardial ischemia. A large number of structural and functional peripheral vascular and cardiac abnormalities including electrolyte imbalance, hemodynamic instability and neuro-humoral stress exert an overwork on myocardium and lead to.

Access this Article Online	<b>Quick Response Code:</b> 
Website: <a href="http://www.journalofhospitalpharmacy.in">http://www.journalofhospitalpharmacy.in</a>	
Received on 14/06/2022	
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