

A Pharmacokinetic Study Comparing the Clearance of Vancomycin during Haemodialysis Using Medium Cut-O₂ Membrane (Theranova) and High-Flux Membranes (Revaclear)

Questions written by Shaiju Thaikandy

1. What is the half-life of vancomycin in patients with normal kidney function?
2. Medium cut off (MCO) dialyzers are used to remove what particular type of molecules?
3. According this study, what is the half- life of vancomycin when using a high flux membrane?
4. According this study, what is the half-life of vancomycin when using a MCO membrane?
5. Does blood flow have any effect on vancomycin clearance during dialysis using a MCO membrane?
6. What is a common infusion complication associated with vancomycin?
7. What is the outcome of this study?
8. Name the types of MCO and high flux membranes used in this study
9. True or false - Application of vancomycin during the last one to two hours of each dialysis is required to maintain therapeutic concentrations to minimise loss through the dialyser and maintain therapeutic levels.

True

NZASRDP would like to thank Dr Allawati & team for the permission to use this article for journal club