
**Abstract**

Isothermal hemodialysis to improve intradialytic tolerance in hypotension-prone patients has been effective in outpatient settings. The purpose of this pilot study was to examine thermal control in an acute care setting and describe comfort issues associated with thermal control. Although complaints of cold or shivering occurred more frequently with the isothermal hemodialysis group, cold discomfort was managed by nursing interventions and was not a cause of significant discomfort. No statistically significant difference was observed in blood pressure or patient’s comfort level between standard and isothermal dialysis. However, isothermal hemodialysis may be an appropriate hemodialysis option for control of intradialytic hypotension in the acute care setting. Further research is recommended.