

THE EFFECT OF WARM INTRAVENOUS FLUID DROPS (IVFD) ON  
CHANGES IN BODY TEMPERATURE OF POST-OPERATIVE  
HYPOTHERMIA PATIENTS AT IHC LAVALETTE HOSPITAL MALANG

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**ABSTRACT**

Hypothermia is a common complication that causes coagulation disorders, increased wound infection, and prolonged recovery. One of the triggers of hypothermia is the administration of intravenous fluids at room temperature. IVFD warm is considered an effective, safe, and economical intervention to maintain the body temperature of postoperative patients. The aim is to determine the effect of IVFD warm on changes in body temperature in postoperative hypothermic patients at IHC Lavalette Hospital Malang. This study used a quasi-experimental pretest-posttest design. The sample consisted of 50 postoperative patients who experienced hypothermia, divided into an intervention group (IVFD warm) and a control group (room temperature fluids). Statistical data were measured before and after the intervention. The research instrument used a digital thermometer and observation sheet. The results of the quantitative analysis of the Quasy Experimental PreTest-PostTest Design. The Independent T-Test statistical test data showed a significant increase in body temperature in the intervention group compared to the control group with a p value = 0.001. This shows that IVFD warm is effective in increasing body temperature significantly compared to room temperature fluids. This is in line with the theory of thermoregulation, warm fluids help restore core body temperature, improve peripheral perfusion, and prevent complications of hypothermia. It is expected that health workers in the recovery room can implement the intervention of administering warm intravenous fluid drops (IVFD) to postoperative hypothermia patients.

**Keywords:** Hypothermia, Postoperative, Warm IVFD, Body Temperature