



**National Conference on Advanced Research in Science,
Engineering, Management and Humanities
(NCARSEMh – 2025)
27th July, 2025, Jharkhand, India.**

CERTIFICATE NO : NCARSEMh /2025/ C0725733

**A Study of Video-Assisted Teaching Program on AVF Care Among
Hemodialysis Patients**

Jyotirmayee Satapathy

Research Scholar, Department of Nursing, Mansarovar Global University, Sehore, M.P., India.

ABSTRACT

A video-assisted teaching program on arteriovenous fistula (AVF) care among hemodialysis patients is an effective educational approach designed to improve patients' knowledge, skills, and self-management related to vascular access care. An Arteriovenous Fistula is considered the most reliable and long-term access for patients undergoing Hemodialysis, but its success largely depends on proper care and patient awareness. Many patients lack adequate knowledge about maintaining AVF hygiene, recognizing early signs of complications, and protecting the fistula from damage. A video-assisted teaching program uses audiovisual materials to demonstrate correct practices such as hand hygiene, daily inspection of the fistula site, avoidance of pressure or heavy lifting with the affected arm, and identification of warning signs like swelling, redness, pain, or absence of thrill. Compared with traditional teaching methods, video-based education enhances understanding by combining visual demonstrations, narration, and repeated viewing, which helps patients retain information more effectively. It also overcomes literacy barriers and provides standardized instructions that can be easily understood by diverse patient populations. Implementing such programs in dialysis units empowers patients to participate actively in their own care, promotes adherence to recommended practices, and ultimately reduces complications such as infection, thrombosis, and fistula failure. Therefore, video-assisted teaching serves as an important tool in improving the quality of life and treatment outcomes of hemodialysis patients with AVF.