

## IMPORTANCE OF INFECTION CONTROL MEASURES IN PRE- AND POST-OPERATIVE PATIENT CARE

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**Abstract:** *This article highlights the significance of infection control measures during pre- and post-operative patient care. It discusses the main guidelines to prevent infections during surgery and the recovery period. These measures contribute to the success of surgical procedures and aid in faster patient recovery.*

**Keywords:** *infection, pre-operative care, post-operative care, prevention, hygiene.*

### INTRODUCTION

Surgical procedures significantly impact a patient's body. During or after surgery, there is a high risk of infection that can complicate recovery. Therefore, implementing strict infection control measures is crucial. Additionally, the knowledge and skills of medical staff and adherence to hygiene standards play a vital role in this process.

This article provides an overview of infection control measures in preparing patients for surgery and post-operative care, their necessity, and how they affect the outcomes of surgical procedures.

### PRE-OPERATIVE CARE

The pre-operative phase is a critical stage in preparing the patient's body for surgery. Infection control measures during this stage not only ensure the success of the operation but also significantly reduce the risk of complications. The following principles should be adhered to:

1. **Ensuring overall patient hygiene:** Cleaning the patient with antiseptic solutions before surgery reduces microbial load on the skin. Proper implementation of this process is crucial to minimize infection risk.

2. **Preparing the surgical site:** Carefully removing hair and cleansing the surgical site with antiseptic solutions is necessary. Care must be taken to avoid injuring the skin while removing hair.

3. **Creating a sterile environment:** Sterilizing surgical instruments, ventilating the operating room adequately, and ensuring a clean environment are key factors in infection prevention.

4. **Prophylactic antibiotics:** In some cases, antibiotics are used to reduce the risk of infection beforehand. However, their use should be prescribed individually by a physician.

### POST-OPERATIVE CARE

Post-operative care is an essential part of the recovery process. Infection control measures must be strictly followed during this phase. The following practices can help:

1. **Treating wounds with antiseptics:** Regular application of antiseptic solutions to the surgical wound prevents infection.

2. **Changing dressings and ensuring sterility:** Dressings should be replaced at designated intervals, always using sterile equipment.

3. **Early detection of infection symptoms:** If signs of inflammation or general infection symptoms (fever, swelling) are observed, immediate action must be taken.

4. **Maintaining patient hygiene and diet:** Following a diet that does not stress the body and ensuring personal hygiene are critical during the post-operative recovery phase.

### RESPONSIBILITIES OF MEDICAL STAFF

Medical staff must fully recognize their responsibilities in monitoring patients pre- and post-operatively. Their ability to:

- Implement infection control measures;
- Adhere to hygiene rules;
- Maintain constant communication with patients, encouraging them to follow necessary guidelines, plays a significant role in the successful completion of surgical procedures.

### CONCLUSION

Infection control measures before and after surgery are an integral part of modern medicine. These measures not only accelerate patient recovery but also reduce post-operative complications. Strict adherence to these rules by medical staff reflects their professional responsibility and care for patients.

### REFERENCES:

1. World Health Organization (WHO). "Guidelines on Core Components of Infection Prevention and Control Programmes at the National and Acute Health Care Facility Level." 2016.

2. Mangram, A. J., et al. "Guideline for Prevention of Surgical Site Infection, 1999." *American Journal of Infection Control*, vol. 27, no. 2, 1999, pp. 97-134.
3. Alexander, J. W. "History of the Medical Use of Silver." *Surgical Infections*, vol. 10, no. 3, 2009, pp. 289-292.
4. Najimov, A. K. "Sterilization and Hygiene Basics." Toshkent Medical Publishing House, 2015.
5. Ministry of Health of the Republic of Uzbekistan. "Guidelines for Infection Prevention in Surgery." Tashkent, 2020.