

## REHABILITATION STRATEGIES FOR PATIENTS AFTER PLASTIC SURGERY

*Maxmudov Saydinjon Botirjon o'g'li – teaching assistant  
Samarkand State Medical University*

*Rustamov Timur Rashidovich – medical student  
Samarkand State Medical University*

*Raximova Sabina Alisherovna – medical student  
Samarkand State Medical University*

*Qo'sharov Shodiboy Abdurasul o'g'li - clinical resident  
Samarkand State Medical University*

*Alimova Zarina Dilshodovna - medical student  
Samarkand State Medical University*

**Abstract:** Plastic surgery has gained significant popularity in recent years, with a growing number of individuals seeking aesthetic enhancements and reconstructive procedures. Effective rehabilitation after plastic surgery plays a crucial role in ensuring optimal recovery and outcomes for patients. This article presents a comprehensive scientific and statistical analysis of various rehabilitation strategies employed in the postoperative care of plastic surgery patients. The study investigates the materials and methods used, evaluates their effectiveness, and draws relevant conclusions based on statistical data.

**Keywords:** plastic surgery, rehabilitation, physical therapy, wound care, pain management, scar management, psychological support, patient education.

**Introduction:** Plastic surgery encompasses a wide range of procedures aimed at enhancing appearance, correcting deformities, and improving overall well-being. Successful rehabilitation following plastic surgery procedures is essential for minimizing complications, promoting wound healing, managing pain, and achieving desired aesthetic outcomes. This article examines the various aspects of rehabilitation techniques employed after plastic surgery.

### **Materials and Methods:**

1. Study Design: A retrospective observational study was conducted, analyzing data from patients who underwent plastic surgery procedures between 2022 and 2023.

2. Data Collection: Patient records were reviewed to collect demographic information, surgical details, postoperative care protocols, and rehabilitation strategies employed. Data regarding the types of plastic surgeries, rehabilitation duration, and outcomes were collected.

3. **Rehabilitation Strategies:** The study encompassed a broad spectrum of rehabilitation strategies, including physical therapy, wound care, pain management, scar management, psychological support, and patient education. These strategies were tailored to specific surgical procedures and individual patient needs.

**Results and Statistical Analysis:**

1. **Demographic Characteristics:** The study included a total of 36 patients (age range: 20-50 years; gender distribution: 5 male, 31 female) who underwent various plastic surgery procedures.

2. **Rehabilitation Duration:** The average duration of rehabilitation varied based on the type of plastic surgery procedure performed. Statistical analysis revealed a mean rehabilitation duration of 8-9 months days.

3. **Rehabilitation Strategies:**

a) **Physical Therapy:** All of patients received physical therapy, which included range of motion exercises, strengthening exercises, and lymphatic drainage techniques. The average improvement in physical function was [88,89%].

b) **Wound Care:** Appropriate wound care protocols, including regular dressing changes, were implemented in all cases. The incidence of postoperative wound complications was 5,56%

c) **Pain Management:** 50% of patients received multimodal analgesia, including non-opioid analgesics and regional anesthesia techniques. Statistical analysis demonstrated a significant reduction in pain scores postoperatively.

d) **Scar Management:** All of patients received scar management interventions such as silicone gel sheets or creams. The overall scar appearance improved in 94,4% of cases.

e) **Psychological Support and Patient Education:** all of patients received psychological support and education regarding self-care, lifestyle modifications, and expectations during the recovery period. Patient satisfaction rates were 100%

**Conclusion:** Rehabilitation plays a vital role in the recovery process of plastic surgery patients, promoting optimal outcomes and patient satisfaction. This scientific and statistical analysis highlights the effectiveness of various rehabilitation strategies, including physical therapy, wound care, pain management, scar management, and psychological support. Implementing comprehensive rehabilitation protocols tailored to individual patient needs is crucial for successful postoperative recovery.

Further research is warranted to explore the long-term effects of rehabilitation strategies on patient outcomes and to identify novel interventions that enhance the rehabilitation process after plastic surgery.

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