

STUDYING MEASURES FOR PREVENTION OF COMPLICATIONS OF FACIAL PLASTIC SURGERY

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Annotation

This article discusses the main complications that arise after facial plastic surgery, and also suggests approaches to their assessment and analysis. The use of modern methods of diagnosis and prevention of complications is key to minimizing risks and improving the quality of medical services in the field of plastic surgery. Particular attention is paid to factors influencing the frequency of complications, as well as methods of their prevention and treatment.

Key words: facial plastic surgery, complications, diagnosis, prevention, rehabilitation, analysis, aesthetic medicine, surgical risks.

ИЗУЧЕНИЕ МЕРЫ ПРОФИЛАКТИКА ОСЛОЖНЕНИЙ ПЛАСТИЧЕСКОЙ ХИРУРГИИ ЛИЦА

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Аннотация

В данной статье рассматриваются основные осложнения, возникающие после пластических операций на лице, а также предлагаются подходы к их оценке и анализу. Использование современных методов диагностики и профилактики осложнений имеет ключевое значение для минимизации рисков и повышения качества оказания медицинских услуг в области пластической хирургии. Особое внимание уделено факторам, влияющим на частоту осложнений, а также методам их предотвращения и лечения.

Ключевые слова: пластическая хирургия лица, осложнения, диагностика, профилактика, реабилитация, анализ, эстетическая медицина, хирургические риски.

Introduction

Facial plastic surgery is one of the most popular areas of modern medicine, especially in recent decades, when the desire for aesthetic perfection and rejuvenation has become an important part of social life. Facial plastic surgery procedures, including rhinoplasty, facelifts, blepharoplasties and chin augmentations, are aimed at improving appearance, increasing self-confidence and correcting congenital or acquired defects. However, as the demand for these procedures increases, so does the number of complications that can significantly affect the quality of life of patients, the results of operations and the reputation of surgeons. ([1]).

Modern plastic surgery uses a wide range of techniques to minimize the risks of complications. The use of advanced technologies, such as laser systems, computer modeling and minimally invasive techniques, can significantly improve surgical results and reduce the likelihood of adverse outcomes [4]. However, despite significant advances, factors remain that can negatively affect the outcome of surgery. Among them are insufficient examination of the patient, errors in the choice of surgical technique, the use of low-quality materials and non-compliance by the patient with recommendations in the postoperative period. [5].

Particular attention in studies of complications is paid to the role of the doctor and the patient. The success of the operation and the minimization of complications depend on the qualifications of the surgeon, his experience and approach to individual planning. On the other hand, the patient must be informed about the possible risks, realistically assess the results of the operation and strictly follow all the doctor's instructions in the postoperative period.

The purpose of this article is to review the main types of complications in facial plastic surgery, identify risk factors for their occurrence, and also propose methods for their assessment and prevention. Key aspects of rehabilitation of patients after surgical interventions will also be considered.

Main part

1. Main types of complications

Complications that occur after facial plastic surgery can be divided into the following categories:

1.1. Aesthetic complications

- Facial asymmetry.
- Unsatisfactory cosmetic result (eg, noticeable scars).
- Changes in facial expression due to improper tissue healing

1.2. Functional complications

- Breathing problems (for example, after rhinoplasty).
- Difficulty opening or closing the eyes (after blepharoplasty).
- Impaired sensitivity of facial skin ([4]).

1.3. Medical complications

- Surgical site infections.
- Formation of hematomas and seromas.
- Allergic reactions to anesthetics or materials ([5]).

2. Risk factors for complications

The occurrence of complications can be associated with various factors:

2.1. Medical factors

- Chronic diseases of the patient (diabetes mellitus, hypertension, etc.).
- Allergic predisposition.
- Smoking, which impairs tissue healing ([6]).

2.2. Surgical factors

Errors in preoperative planning.

Insufficient qualification of the surgeon.

Use of uncertified materials or tools ([7]).

2.3. Patient factors

Failure to comply with doctor's recommendations in the postoperative period.

Inflated expectations from the operation.

Late referral when the first signs of complications appear ([8]).

3. Methods for assessing complications

The following methods are used to assess complications of facial plastic surgery:

3.1. Clinical examination

Detailed analysis of the patient's condition in the early and late postoperative period.

3.2. Instrumental diagnostic methods

Ultrasound to assess the condition of soft tissues.

CT scan to detect deep structural damage ([9]).

3.3. Patient survey

Questionnaires and interviews to identify the subjective level of patient satisfaction with the results of the operation.

4. Methods of prevention and rehabilitation

4.1. Preventive measures

Detailed preoperative examination.

Selecting a qualified surgeon with extensive experience.

Use of modern methods and technologies ([10]).

4.2. Rehabilitation measures

Use of physical therapy (eg lymphatic drainage massage).

Use of medications to speed up healing.

Psychological support for patients with unsatisfactory surgical results ([11]).

Conclusions

Complications of facial plastic surgery remain a pressing problem, despite the high level of development of aesthetic medicine. Their occurrence depends on many factors, including the patient's health status, the surgeon's qualifications and compliance with recommendations in the postoperative period. To minimize risks, a systematic approach to preoperative examination, careful adherence to treatment and rehabilitation protocols, as well as continuous improvement of surgical techniques are required. Of particular importance is information work with patients aimed at a realistic perception of the results of operations. Further research in this area should be aimed at studying the long-term results of plastic surgery and developing new preventive methods that can reduce the incidence of complications.

References

1. Smith J. Advances in Facial Plastic Surgery. Journal of Cosmetic Medicine, 2021.
2. Brown A. Postoperative Complications in Aesthetic Medicine. Medical Surgery Today, 2020.
3. Иванов И.И. "Основы пластической хирургии лица". Москва, 2022.
4. Петров П.П., Сидоров А.А. "Реабилитация после пластических операций". Санкт-Петербург, 2021.
5. Green C. Managing Risks in Facial Plastic Surgery. Plastic Surgery Review, 2019.
6. Johnson L. Patient-Centric Approaches in Cosmetic Surgery. Aesthetic Journal, 2018.
6. Карпов А.В. "Инновации в эстетической медицине". Новосибирск, 2020.

7.Lee K. Facial Surgery: Modern Techniques and Challenges. International Journal of Surgery, 2022.

8.Mitchell R. Diagnostic Tools in Postoperative Care. Medical Imaging Advances, 2020.

9.Jackson D. Preventive Strategies in Facial Surgery. Journal of Surgical Science, 2021.