

Khomych N.,

Assistant Lecturer,

Department of Surgical and Pediatric Dentistry,

Bukovinian State Medical University

Yavorskyi A.,

Student,

Faculty of Dentistry,

Bukovinian State Medical University

Kuzniak L.,

Student,

Faculty of Dentistry,

Bukovinian State Medical University

EFFECTIVENESS OF DEXAMETHASONE IN MANAGEMENT OF PAIN & INFLAMMATION AFTER CYSTECTOMY OF MAXILLARY RADICULAR CYSTS

The aim of this study was to improve the treatment of inflammatory complications by topical injection of dexamethasone in patients after cystectomy of maxillary radicular cysts and determination of the most effective method. Patients were of the age range of 18–30 years. Twenty three patients, each of whom required cystectomy of maxillary radicular cysts under local anesthesia, were randomly divided into 3 groups. The one experimental group was given dexamethasone 4 mg submucosally, another group was given dexamethasone 8 mg submucosally and the control group had no steroid. All patients were admitted to hospital in following a standard protocol. Each patient signed a consent form to participate in the study. Allergic reactions to medications were noted in three patients. All patients were admitted in the Department of Surgical Dentistry in satisfactory condition. Thirteen patients reported pain, recurrent soft tissue swelling, redness of

the mucous membrane, slight purulent discharge, weakness and fever. Surgery was carried out after inflammation symptoms were resolved.

Patients received antibiotics, eubiotics and local submucosal injection of dexamethasone. Anti-inflammatory drugs and pain medications were prescribed only as needed. The pain and swelling in postoperative area were measured by an examiner at the 1st day of surgery, at 3rd, 7th days after operation.

Results of clinical researches objectively demonstrate that the use of dexamethasone had positive effect on the normalization of the general condition of patients. Dexamethasone given submucosally is an effective way of minimizing the pain and swelling of postoperative area after cystectomy of maxillary radicular cysts. It offers a simple, safe, painless and cost-effective treatment in moderate and severe cases.