

## **Dental and Oral Surgical Treatment in the Management of Prosthetic Heart Valves Patients**

Cena Dimova<sup>1\*</sup>, Milka Zdravkovska<sup>2</sup>, Mira Popovska<sup>3</sup>, Lidija Popovska<sup>4</sup>, Biljana Evrosimovska<sup>5</sup>.

<sup>1</sup>Department of Oral and Maxillofacial Surgery and Dental Implantology, Dental Medicine,

Faculty of Medical Sciences, University "Goce Delcev" – Stip, R. Macedonia,

<sup>2</sup>Department of Epidemiology, General Medicine,

Faculty of Medical Sciences, University "Goce Delcev" – Stip, R. Macedonia,

<sup>3</sup>Department of Periodontology and Oral Pathology, University Dental Clinical Centre "St.

Pantelejmon", Faculty of Dentistry, University "Ss. Cyril and Methodius", Skopje, Republic of Macedonia

<sup>4</sup>Department of Cariology and Endodontology, University Dental Clinical Centre "St. Pantelejmon", Faculty of Dentistry, University "Ss. Cyril and Methodius", Skopje, Republic of Macedonia

<sup>5</sup>Department of Oral Surgery, University Dental Clinical Centre "St. Pantelejmon", Faculty of Dentistry, University "Ss. Cyril and Methodius", Skopje, Republic of Macedonia

### **Address for correspondence:**

prof. d-r Cena Dimova, PhD, Msci, DDS.  
Faculty of Medical Sciences,  
University "Goce Delcev"  
2000 Stip, R. Macedonia

**Mob.phone:** +389 70 33 83 92

**e-mail:** [cena.dimova@ugd.edu.mk](mailto:cena.dimova@ugd.edu.mk)

### **Abstract**

The aim of this work was to show the specific stomatological approach and treatment of patients with prosthetic heart valves (PHV) which belong in the group of patients with high risk from several aspects. The research included 80 individuals. The preparation included: laboratory blood examination according to the protocol of the American Heart Association – AHA.

Detail anamnesis, inspection and X ray examination have been provided on the entire examined person. Twenty four oral surgery interventions have been made. The oral anticoagulants have been interrupted before the interventions and low molecular weight heparin (LMWH) has been included, before and after the interventions. Definitive local homeostasis has been accomplished with the use of 5% tranexamic acid as mouthwash solution.

During the first, second and seventh day of the intervention, the patients have been followed through from aspect of possible development of local and general complications after the intervention and in one month period concerning the general

post-oral-surgical bleeding to be undertaken, complemented with administration of local antifibrinolytic therapy.

Local hemostasis will control the bleeding in the few patients who develop postsurgical bleeding. The risk of uncontrolled life threatening bleeding following dentoalveolar surgery is so low that it is not necessary to stop anticoagulation even for a short interval and risk thromboembolism in patients on oral anticoagulants.

The selective approach and preparation, as well as interdisciplinary collaboration with the cardiologists present a solid base for safe and quality oral-surgical treatment of the patients with prosthetic heart valves.

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