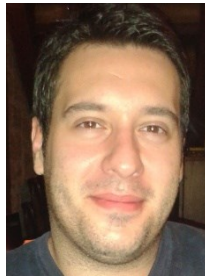




**European Society of Endodontology
Young Investigator Research Grant
Award 5000 Euros**

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The aims of this project is to establish a possible correlation between levels of oxidative stress biomarkers (8-hydroxydeoxyguanosine and ratio between reduced and oxidized glutathione) and bone resorption regulators (receptor activator of nuclear factor (NF- κ B) ligand and osteoprotegerin) in samples of apical periodontitis and to investigate whether Epstein-Barr virus infection contributes to higher periapical bone resorption via enhanced production of 8OH-dG and GSSG.

We hypothesized that:

- 1.) Apical periodontitis lesions exhibit higher levels of 8OH-dG, GSSG and RANKL compared to healthy pulp tissues.
- 2.) There is a positive correlation between levels of 8OH-dG, GSSG and RANKL in apical periodontitis lesions.
- 3.) EBV infected periapical lesions are characterized by increased levels of 8OH-dG, GSSG and RANKL compared to lesion without EBV and healthy pulp tissues.

Career

2010 - Graduated from School of Dental Medicine, University of Sarajevo, Bosnia and Herzegovina;

2011 - Diploma at the School of Dental Medicine, University of Belgrade, Serbia;

2012 - State examination - Certificate issued by the Ministry of Health, Republic of Serbia – Dentist in general practice;

2011 – PhD candidate at the School of Dental Medicine, University of Belgrade, Serbia; PhD thesis entitled “Identification and genotypisation of Epstein-Barr virus and Human cytomegalovirus in human apical periodontitis lesions”

2012 - Work as associate researcher, on the project entitled “Genetic control and molecular mechanisms in malignant, inflammatory and developmental pathologies of the orofacial region” (Project number 175075, financed by the Ministry of Education, Science and Technological Development of the Republic of Serbia), at School of Dental Medicine, University of Belgrade, Serbia;

2014 – Instructor of practical curriculum at the Cathedra of Pathophysiology at the School of Dental Medicine, University of Belgrade, Serbia (part time);

Several publications in journals with research in the field of endodontology.