



**Ok Joon Kim**

**D.D.S., Ph. D.**

**Current appointment:**

Associate Professor

**Institution/ University where currently appointed:**

Director, Department of oral pathology, Chonnam national university

Pathologist, Chonnam University Hospital

**Areas of special interests:**

Photobiology

Cancer stem cell

Ok-Joon Kim is a dentist and Doctor in Dental Science. He graduated from school of dentistry, Chonnam National University in 1998, and got a Ph. D. degree in the same school in 2002. He is now an associate professor in school of dentistry and works as a pathologist in the Department of Pathology, Chonnam University Hospital. He is also served as a director of the Department of Oral

Pathology. His research is focusing on photobiology, low level laser therapy, and photodynamic therapy. He has published more than 60 papers in these fields.

### Recent/ significant publications

1. Association between cancer stem cell-like properties and epithelial-to-mesenchymal transition in primary and secondary cancer cells. *Int J Oncol.* 2016; 49(3): 991-1000
2. Cloning and Expression of Recombinant Macrophage-colony Stimulating Factor - A Progressive Strategy for Economical Production. *Biotechnol Bioproc E.* 2016; 21(3): 446-452
3. Digital panoramic radiographs are useful for diagnosis of osteoporosis in Korean menopausal women. *Gerodontology.* 2016; 33(2): 185-192
4. Effects of HSP27 downregulation on PDT resistance through PDT-induced autophagy in head and neck cancer cells. *Oncol Rep.* 2016; 35(4); 2237-2245
5. Periodontal disease associated with blood glucose levels in urban Koreans aged 50 years and older: the Dong-gu study. *Gerodontology.* 2015; 32(4): 267-273
6. Effects of Light-Emitting Diode Irradiation on RANKL-Induced Osteoclastogenesis. *Laser Surg Med.* 2015; 47(9): 745-755
7. Effects of the antimicrobial peptides cathelicidin (LL-37) on immortalized gingival fibroblasts. *Lasers Med Sci.* 2015; 30(8): 2049-2057
8. Anti-inflammatory effects of zinc in PMA-treated human gingival fibroblast cells. *Med Oral Patol Oral Cir Bucal.* 2015; 20(2): e180–e187
9. Anti-inflammatory effect of 635 nm irradiations on in vitro direct/indirect irradiation model. *J Oral Pathol Med.* 2015; 44(2):94-102
10. The association between periodontal disease, tooth loss and bone mineral density in a Korean population. *J Clin Periodontol.* 2014; 41(12):1139-1144.
11. Expression of cancer stem cell marker during 4-nitroquinoline 1-oxide-induced rat tongue carcinogenesis. *J Mol Histol.* 2014; 45:653-663.
12. Photodynamic therapy (PDT) resistance by PARP1 regulation on PDT-induced apoptosis with autophagy in head and neck cancer cells. *J Oral Pathol Med.* 2014; 43(9):675-684.
13. Relationship between periodontal disease and subclinical atherosclerosis: The Dong-gu study. *J Clin Periodontol.* 2014; 41(3):262-268.
14. In Vitro Bactericidal Effects of 625, 525, and 425nm Wavelength (Red, Green, and Blue) Light-Emitting Diode Irradiation. *Photomed Laser Surg.* 2013; 31(11): 554–562.
15. Effect of 635 nm irradiation on high glucose-boosted inflammatory responses in LPS-induced MC3T3-E1 cells. *Laser Med Sci.* 2013; 28(3): 717-724.
16. Modulation of Lipopolysaccharide-Induced NF- $\kappa$ B Signaling Pathway by 635 nm Irradiation via Heat Shock Protein 27 in Human Gingival Fibroblast Cells. *Photochem Photobiol.* 2013; 89(1): 199-207.
17. Down-regulation of heat-shock protein 27-induced resistance to photodynamic therapy in oral cancer cells. *J Oral Pathol Med.* 2013; 42(1): 9-16.
18. Inflammatory cytokines are suppressed by light-emitting diode irradiation of *P. gingivalis* LPS-treated human gingival fibroblasts: inflammatory cytokine changes by LED irradiation. *Lasers Med Sci.* 2012; 27(2); 459-467.