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Education Background

2009 PhD (Molecular biology), Nihon University School of Dentistry at Matsudo, Chiba, Japan

2003 DDS (First class - honored), Mahidol University, Bangkok, Thailand

Research Interested

Biomaterials

Cellular and molecular responses in oral cells

Publications

1. Napat Kamglom, **Kamolparn Pugdee**, Panuroot Aguilar. Matrix metalloproteinase 8 production of cariously-exposed irreversible pulpitis. J Dent Sci. Article in press

2. Kan Wongkamhaeng, Pantip Henprasert, Chayanit Krauvattanavej, Phantira Orankijpaiboon, Phattariya Phansaichua, **Kamolparn Pugdee**. The Association Between Periodontitis and Respiratory Diseases: A Comprehensive Review. *Oral Sci Rep*. 2024; 45(3), 27–38.
3. **Kamolparn Pugdee**, Awiruth Klaisiri, Panupat Phumpatrakom. The viability of human dental pulp cells and apical papilla cells after treatment with conventional calcium hydroxide and nanoparticulate calcium hydroxide at various concentrations. *Saudi Dent J* . 2023; 35(8): 1000-1006.
4. Paponsun Siwakul, Lertrit Sirinnaphakorn, Jintamai Suwanprateep, Tohru Hayakawa, **Kamolparn Pugdee**. Cellular responses of histatin-derived peptides immobilized titanium surface using a tresyl chloride-activated method. *Dent Mater J*. 2021; 40: 934–941.
5. **Kamolparn Pugdee**, Wattawan Wongpattaraworakul, Ekarat Hitakomate. Role of Tumor-Associated Macrophages on Cathepsin-B, Cathepsin-D, MMP-2, and MMP-9 in HSC-3 Oral Cancer Cells. *J Int Dent Med Res* 2021; 14: 156-162.
6. **Kamolparn Pugdee**, Kusumawadee Utispan, Sittichai Koontongkaew. Inflammatory responses in porphyromonas gingivalis lipopolysaccharide activated MCF-7 breast cancer cells. *Thai J. Oral Maxillofac. Surg* 2019; 68: 118-125.
7. Arnit Toneluck, Sittichai Koontongkaew, **Kamolparn Pugdee**. Effects of monocyte conditioning medium induced by Porphyromonas gingivalis lipopolysaccharides on proliferation, invasion and apoptosis of head and neck cancer cell lines. *Tham Med J*. 2019; 19 supplement: S22-S29.
8. **Kamolparn Pugdee**, Sittichai Koontongkaew, Orapan Poachanukoon, Effect of Zingiber cassumunar Roxb. extracts on CCL20 production in Aggregatibacter actinomycetemcomitans lipopolysaccharide induced gingival fibroblast. *Thai J. Oral Maxillofac. Surg* 2018; 66: 95-103.
9. Utispan K, **Pugdee K**, Koontongkaew S. Porphyromonas gingivalis lipopolysaccharide-induced macrophages modulate proliferation and invasion of head and neck cancer cell lines. *Biomed Pharmacother*. 2018; 101: 988-995.
10. Wuttikhun M, Krajangta N, **Pugdee K**, Klaisiri A. The management of initial caries. *Tham Med J*. 2018; 18: 427-433.
11. Utispan K, Chitkul B, Monthanapisut P, Meesuk L, **Pugdee K**, Koontongkaew S. Propolis extracted from the stingless bee *Trigona sirindhornae* inhibited *S. mutans* activity *in vitro*. *Oral Health Prev Dent*. 2017; 3: 279-284.

12. Samdharu Pramono, **Kamolparn Pugdee**, Jintamai Suwanprateep, Sittichai Koontongkaew. Sandblasting and fibronectin-derived peptide immobilization on titanium surface increase adhesion and differentiation of osteoblast-like cells (MC3T3-E1). *J Dent Sci* 2016; 11: 427-436.
13. **Kamolparn Pugdee**, Arnit Toneluck, Paopanga Montanapisut, Kusumawadee Utispan, Sittichai Koontongkaew. Porphyromonas gingivalis lipopolysaccharide (LPS) activated monocyte increases cell proliferation and invasion of head and neck cancer cells. *Thai J. Oral Maxillofac. Surg* 2016; 61: 50-58.
14. Kusumawadee Utispan, **Kamolparn Pugdee**. Roles of microenvironment in oral cancer. *Thai J. Oral Maxillofac. Surg* 2014; 58: 104-118.
15. **Kamolparn Pugdee**, Kusumawadee Utispan. The linkage between periodontitis and cancer. *Thai J. Oral Maxillofac. Surg* 2014; 57: 40-48.
16. Tsutsumi Haruhiko, **Pugdee Kamolparn**, Hayakawa Tohru, Abiko Yoshimitsu. Discoidin domain receptor-1 gene expression of osteoblasts on fibronectin coated titanium disks. *J Hard Tissue Biology* 2009; 18: 12-18.
17. Watanabe N, **Pugdee K**, Chang WJ, Lee SY, Yoshinari M, Hayakawa T, Abiko Y. Baculoviral inhibitor of apoptosis repeat-containing gene 6 expression in osteoblasts on fibronectin derived peptide coated titanium. *J Jap Soc Oral Implantol* 2008; 21: 1-6.
18. Yamamichi Nobuyuki, **Pugdee Kamolparn**, Chang Wei-Jen, Lee Sheng-Yang, Yoshinari Masao, Hayakawa Tohru, Abiko Yoshimitsu. Gene expression monitoring in osteoblasts on titanium coated with fibronectin-derived peptide. *Dent Mater J.* 2008; 27: 744-750.
19. Abiko Y, **Pugdee K**, Hirai T, Chu CH, Ando T, Shibata Y. Attachment activity of RGD-motif peptides to osteoblast-like cell line MC3T3-E1. *Int J Oral-Med Sci* 2007; 6: 97-99.
20. **Pugdee K**, Shibata Y, Yamamichi N, Tsutsumi H, Yoshinari M, Abiko Y, Hayakawa T. Gene expression of MC3T3-E1 cells on fibronectin-immobilized titanium using tresyl chloride activation technique. *Dent Mater J.* 2007; 26: 647-655.
21. Arai M, Shibata Y, **Pugdee K**, Abiko Y, Ogata Y. Effects of reactive oxygen species (ROS) on antioxidant system and osteoblastic differentiation in MC3T3-E1 cells. *IUBMB Life.* 2007; 59: 27-33.