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Education

1987/09- Master, Graduate Institute of Dental Sciences,
1990/06 Kaohsiung Medical University, Kaohsiung, Taiwan
1980/09- Bachelor, School of Dentistry
1986/06 Kaohsiung Medical University, Kaohsiung, Taiwan

Current position and relevant experience

Head & Professor
School of Dentistry
College of Dental Medicine
Kaohsiung Medical University

2004/02-Present Head
Department of Oral Pathology & Maxillofacial Radiology
Division of Dentistry
Kaohsiung Medical University Hospital

1983/08-Present Visiting Staff
Department of Oral Pathology and Oral & Maxillofacial Radiology
Division of Dentistry
Kaohsiung Medical University Hospital

Specialty

Oral Pathology
Oral Diagnosis
Oral Radiology

Publications

1. **Chen YK***, Yang SH, Huang AH, Hsue SS, Lin LM*. Aberrant expression in multiple components of the transforming growth factor- β 1-induced Smad signaling pathway during 7,12-dimethylbenz[a]anthracene-induced hamster buccal-pouch squamous-cell carcinogenesis. Oral Oncol 2011; 47: 262-7 (SCI). NSC 97-2314-B-037-025-MY3
2. Huang IY, Shih YL, Shu CW, **Chen YK***. Multilocular radiolucency of the mandibular condyle in a 19-year-old female. Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2011; 112: 6-10 (SCI).
3. **Chen YK**, Hsue SS, Lin LM*. Expression of inhibitors of apoptosis family proteins in

human oral squamous-cell carcinogenesis. *Head Neck* 2011; 33: 985-98 (SCI). NSC 96-2314-B-037-071

4. **Chen YK***, Huang AH, Chan AW, Shieh TY, Lin LM*. Human dental pulp stem cells derived from different cryopreservation methods of human dental pulp tissues of diseased teeth. *J Oral Pathol Med* 2011; 40: 793-800 (SCI).
5. Chuang FH, Tsai CC, Chen JH, Chen KK, **Chen YK***, Lin YC*. Long-term sequential receptor activator of NF- κ B ligand (RANKL) and osteoprotegerin (OPG) expression in lipopolysaccharide-induced rat periapical lesions. *J Oral Pathol Med* 2012; 41: 186-93 (SCI).
6. Chen JCH, Lin LM, Geist JR, Chen JY, Chen CH*, **Chen YK***. A retrospective comparison of the location and diameter of the inferior alveolar canal at the mental foramen and length of the anterior loop between American and Taiwanese cohorts using CBCT. *Surg Radiol Anat* 2013; 35: 11-8 (SCI). (First two authors have equal contribution)
7. **Chen YK**, Huang AH, Cheng PH, Yang SH*, Lin LM*. Overexpression of Smad proteins, especially Smad7, in oral epithelial dysplasias. *Clin Oral Investig* 2013; 17: 921-32 (SCI). NSC 97-2314-B-037-025-MY3
8. Chen CY, Wu CW, Wang WC, Lin LM, **Chen YK***. Clear-cell variant of calcifying epithelial odontogenic tumor (Pindborg tumor) in the mandible. *Int J Oral Sci* 2013; 5: 115-9 (SCI).
9. Tang JY, Hsi E, Huang YC, Hsu NC, **Chen YK**, Chu PY, Chai CY*. ATG9A overexpression is associated with disease recurrence and poor survival in patients with oral squamous cell carcinoma. *Virchows Arch* 2013; 463: 737-42 (SCI).
10. Chen JCH, Lin LM, Chen CH, Geist JR*, **Chen YK***. Evaluation of cancellous bone density in the alveolar bone by cone-beam computed tomography in Taiwanese adults. *Asian Biomed* 2013; 7: 753-60 (SCI).
11. Chen JCH, Wang CK, Lin LM, Huang YD, Geist JR*, **Chen YK***. Retrospective comparison of the frequency, distribution and radiographic features of osteosclerosis of the jaws between Taiwanese and American cohorts using cone-beam computed tomography. *Oral Radiol* 2014; 30: 53-63 (SCI).
12. Chen JY, Wang WC, Lin LM, **Chen YK***. Incidental detection of a rare inverted and impacted maxillary third molar in a patient of mandibular unicystic ameloblastoma. *Dentistry* 2014; 4: 213.
13. Lei F, Chen PH, Chen JY, Wang WC, Lin LM, Huang HC, Ho KY, Chen CH, **Chen YK***. Retrospective study of biopsied head and neck lesions in a cohort of referral Taiwanese patients. *Head Face Med* 2014; 10: 28 (SCI).
14. Wang YY, Tail YH, Wang WC, Chen CY, Kao YH, **Chen YK***, Chen CH*. Malignant transformation in 5071 southern Taiwanese patients with potentially malignant oral mucosal disorders. *BMC Oral Health* 2014; 14: 99 (SCI).
15. Chen PH, Huang B, Shieh TY, Wang YH, **Chen YK**, Wu JH, Huang JH, Chen CC*, Lee KW*. The influence of monoamine oxidase variants on the risk of betel quid-associated oral and pharyngeal cancer. *Sci World J* 2014; 2014: 183548 (SCI).
16. Lei F, Chen JY, Lin LM, Wang WC, Huang HC, Chen CH, Ho KY*, **Chen YK**. Retrospective study of biopsied oral and maxillofacial lesions in pediatric patients from southern Taiwan. *J Dent Sci* 2014; 9: 351-8 (SCI). (Ho KY and Chen YK have equal contribution)
17. **Chen YK**, Huang AH, Lin LM*. Sphere-forming-like cells (squamospheres) with cancer stem-like cell traits from VX2 rabbit buccal squamous-cell carcinomas. *Int J Oral Sci* 2014; 6: 212-8 (SCI). NSC 99-2314-B-037-048, NSC 100-2314-B-037-048
18. Chen JCH, **Chen YK**, Wang CK*. Prevalence of ponticuli posticus among patients referred for dental examinations by cone-beam CT. *The Spine J* 2015; 15: 1270-6 (SCI).
19. Chen CY, Sung CL, Hiseh MY, Wang WC, **Chen YK***, Lin LM. Adult juvenile xanthogranuloma in the buccal mucosa - a case report. *J Dent Sci* 2015; 10: 334-7 (SCI).
20. Lei F, Chen JY, Wang WC, Lin LM, Huang HC, Ho KY, **Chen YK***. Retrospective study of oral and maxillofacial lesions in older Taiwanese patients. *Gerodontology* 2015; 32: 281-7 (SCI).

21. Cheng YW, Huang LL, Kao YH, Ko EC, **Chen YK**, Chen YF*. Taiwan J Oral Maxillofac Surg 2016; 27(1): 30-7.
22. Wang WC, Chen CY, Hsu HJ, Kuo JH, Lin LM, **Chen YK***. Sialolithiasis of minor salivary glands: A review of 17 cases. J Dent Sci 2016; 11: 152-5 (**SCI**).
23. **Chen YK**, Huang AH*, Chan AW, Lin LM*. Human dental pulp stem cells derived from cryopreserved dental pulp tissues of vital extracted teeth with disease demonstrate hepatic-like differentiation. J Tissue Eng Regen Med 2016; 10: 475-85 (**SCI**).
24. Wang WC, Chen CY, Hsu HK, Lin LM, **Chen YK***. Chemopreventive effect of Toona Sinensis leaf extract on 7,12-dimethylbenz[a]anthracene-induced hamster buccal pouch squamous cell carcinogenesis. Arch Oral Biol 2016; 70: 130-42 (**SCI**).
25. Chiang MC, Chen PH, **Chen YK**, Chen CH, Ho ML, Wang YH*. Characterization of a novel dermal fibrosis model induced by areca nut extract that mimics oral submucous fibrosis. PLoS One 2016 Nov 16;11(11): e0166454 (**SCI**).
26. Lin YM, Ko EC, **Chen YK**, Chen CY, Chen CH*. Hemangiopericytoma of the oral cavity- mimics cystic lesion- A case report. Taiwan J Oral Maxillofac Surg 2016; 27(3): 211-22.
27. Wang YY, **Chen YK**, Hsu YL, Chiu WC, Tsai CH, Hu SC, Hsieh PW, Yuan SF*. Synthetic β -nitrostyrene derivative CYT-Rx20 as inhibitor of oral cancer cell proliferation and tumor growth through glutathione suppression and reactive oxygen species induction. Head Neck 2017; 39(6): 1055-64 (**SCI**).
28. Wang YY, **Chen YK**, Hu SC, Hsu YL, Tsai CH, Chi TC, Huang WL, Hsieh PW, Yuan SF*. CYT-Rx20 inhibits ovarian cancer cells in vitro and in vivo through oxidative stress-induced DNA damage and cell apoptosis. Cancer Chemother Pharmacol 2017; 79(6):1129-40 (**SCI**).
29. Huang HY, **Chen YK**, Ko EC, Chuang FH, Chen PH, Chen CY, Wang WC*. Retrospective analysis of nonendodontic periapical lesions misdiagnosed as endodontic apical periodontitis lesions in a population of Taiwanese patients. Clin Oral Investig 2017; 21(6): 2077-82 (**SCI**). (The first two authors have equal contribution)
30. Wang YY, Hsieh PW, **Chen YK**, Hu SC, Hsu YL, Tsai CH, Yuan SF*.CYT-Rx20 inhibits cervical cancer cell growth and migration through oxidative stress induced DNA damage, cell apoptosis and epithelial-to-mesenchymal transition inhibition. Int J Gynecol Cancer 2017; 27(7): 1306-17 (**SCI**).
31. Liao PH, Wang YY, Wang WC, Chen CH, Kao YH, Hsu JW, Chen CY, Chen PH, Yuan SS*, **Chen YK***. Overexpression of sprouty2 in human oral squamous cell carcinogenesis. Arch Oral Biol 2018; 87(3): 131-42 (**SCI**).
32. Huang HY, Wang WC, Lin PY, Huang CP, Chen CY, **Chen YK***. The roles of autophagy and hypoxia in human inflammatory periapical lesions. Int Endod J 2018;51(S2): e125-e145 (**SCI**). (The first two authors have equal contribution)
33. Chen JH, Tseng CH, Wang CC, Chen YC, Cheong FH, **Chen YK***. Clinicopathological analysis of 232 radicular cysts of the jawbone in a population of southern Taiwanese patients. Kaohsiung J Med Sci 2018;34: 249-54 (**SCI**).
34. Chiu HL, Wei YW, Wang WC, **Chen YK***. Simple and effective methods to protect the photostimulable phosphor storage plate sensor. J Dent Sci 2018;13(1): 85-6 (**SCI**).
35. Chen CY, *. Ectopic third molar associated with a cyst in the sigmoid notch. J Dent Sci 2018;13(2): 172-4 (**SCI**).
36. Wang YY, **Chen YK**, Hu SC, Xiao LY, Cheng KH, Wang YM, Yuan SS*. MAL-PDT inhibits oral precancerous cells and lesions via autophagic cell death. Oral Diseases 2019;25(3):758-71 (**SCI**).
37. Hsu HJ, **Chen YK**, Wang WC, Tseng CH*. Peripheral calcifying odontogenic cyst with multinucleated giant cell formation. J Dent Sci 2019;14(2): 211-2 (**SCI**).
38. Su CW, Tseng CH, Wang WC, **Chen YK***. Spontaneous osteosarcoma transformation of fibrous dysplasia in maxilla. J Dent Sci 2019;14(2): 219-22 (**SCI**).
39. Hsu CW, Tseng CH, Wang WC, **Chen YK***. Alveolar soft part sarcoma in a 3-year-old Taiwanese. J Dent Sci 2019 (in press) (**SCI**).
40. Wang WC, Tseng CH, Su CW, **Chen YK***. Metastasis of thyroid carcinoma to the buccal

- mucosa. J Dent Sci 2019 (in press) (SCI).
41. Huang XY, Lin PY, Chen JQ*, **Chen YK** * Risk factors for the development of oral precancerous lesions in a cohort of 293 oral lichen planus patients with or without chronic periodontitis in southern Taiwan.2024