



## 黃曉靈 Hsiao-Ling Huang 教授

### 聯絡方式

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- 電話：07-312-1101 ext. 2159(研究室)
- 信箱：[hhuang@kmu.edu.tw](mailto:hhuang@kmu.edu.tw)

### 現職

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- 高雄醫學大學口腔衛生學系 教授 2014~
- 台灣口腔衛生科學學會 理事長 2023~

### 學歷

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- 美國杜蘭大學全球社區健康及行為科學研究所博士 2003 ~ 2007
- 美國杜蘭大學流行病學研究所碩士 1997 ~ 1998
- 高雄醫學大學公共衛生學系學士 1993 ~ 1996
- 長庚技術學院護理科副學士 1991 ~ 1992

### 經歷

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- 高雄醫學大學口腔衛生學系 主任 2015~2021
- 高雄醫學大學口腔衛生學系副教授 2011-2014
- 高雄醫學大學教師發展暨教學資源中心教師發展組組長 2012.10-2014.08
- 高雄醫學大學口腔衛生學系助理教授 2007 ~ 2011
- 樹人醫護管理專科學校護理科講師 2000 ~ 2003
- 樹人醫專學生事務處衛生保健組組長 2000 ~ 2001
- 樹人醫校護理科教師 1999 ~ 2000

## 專長

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- 口腔衛生教育與健康促進
- 口腔護理
- 社區口腔衛生
- 菸品與檳榔防制

## 研究領域

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- 學幼童口腔健康促進
- 社區口腔衛生教育
- 臨床牙周照護介入
- 新住民與原住民口腔健康
- 吸菸與檳榔防治

## 任教科目

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- 大學部：衛生教育與健康促進、社區口腔衛生實務、研究法概論
- 碩士班：衛生教育與健康促進方案規劃、衛生教育介入理論與應用、衛生計畫的偵測與評價、研究方法特論

## 學術著作

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### 期刊論文

( I ) SCI/SSCI 期刊論文 ( 依年度排序 · 最新的排前面 ) \* Corresponding author

1. Lin PC, Wung SF, Lin PC, Lin YC, Lin CY, Huang HL\*. Virtual Reality-based Simulation Learning on Geriatric Oral Health Care for Nursing Students: a Pilot Study. *BMC Oral Health* 2024 May 30; 24:627

SCI, Impact Factor: 2.9, Rank: 40/91, 2022

Subject Categories: DENTISTRY, ORAL SURGERY & MEDICINE

2. Cheng BH, Ho PS, Hsu CC, Chen FL, Chen MA, Kabasawa Yuji, Huang HL\*. Effectiveness of the lay health advisor program on oral function and quality of life in aboriginal older adults: A randomized controlled trial. *Journal of Oral Rehabilitation* 2024 May ;51(5):840-850 (NHRI-107AI-PHCO-03181808, NHRI-108AI-PHCO-03191908)

SCI, Impact Factor: 2.9, Rank: 40/91, 2022

Subject Categories: DENTISTRY, ORAL SURGERY & MEDICINE

3. Lin YC, Lin PC, Lin PC, Lin CY, Kabasawa Yuji, Yong-Keum Choi, Huang HL\*. Combining Virtual and Augmented Reality Simulation Training to Improve Geriatric Oral Care Performance in Health Care Assistants: A Randomized Controlled Trial. *Digital Health* 2023 9: 1–13 (CY-05-07-39-110)  
  
SSCI, Impact Factor: 3.9, Rank: 17/87, 2022  
Subject Categories: HEALTH POLICY & SERVICES
4. Lin YC, Tsai CF, Huang HL\*. Effects of hypochlorous acid mouthwash on salivary bacteria including Staphylococcus aureus in patients with periodontal disease: a randomized controlled trial. *BMC Oral Health* 2023 Sep: 23:698  
  
SCI, Impact Factor: 2.9, Rank: 40/91, 2022  
Subject Categories: DENTISTRY, ORAL SURGERY & MEDICINE
5. Chen MA, Liu CK, Yang YH, Huang ST, Yen CW, Kabasawa Yuji, Huang HL\*. Clinical-based Oral Rehabilitation Programme Improved the Oral Diadochokinesis and Swallowing Function of Older Patients with Dementia: A Randomized Controlled Trial. *Journal of Oral Rehabilitation* 2022 Dec;49(12):1163-1172 (NHRI-107AI-PHCO-03181808, NHRI-108AI-PHCO-03191908)  
  
SCI, Impact Factor: 3.558, Rank: 26/92, 2021  
Subject Categories: DENTISTRY, ORAL SURGERY & MEDICINE
6. Shen KL#, Huang CL#, Lin YC, Du JK, Chen FL, Kabasawa Yuji, Chen CC, Huang HL\*. Effects of Artificial Intelligence-assisted Dental Monitoring Intervention in Patients with Periodontitis: A Randomized Controlled Trial. *J Clin Periodontol.* 2022 Oct;49(10):988-998. doi: 10.1111/jcpe.13675. (MOST109-2314-B-037-074; MOST110-2314-B-037-037-MY2)  
  
SCI, Impact Factor: 7.478, Rank: 4/92, 2021  
Subject Categories: Dentistry, Oral Surgery & Medicine
7. Lin YC#, Lin YC#, Chen JH, Lin PL, Chen T, Huang HL\*. Long-term Effects of a Lay Health Advisor Intervention on Immigrant Children' s Caries: A Randomized Controlled Trial. *Community Dent Oral Epidemiol* 2022 Aug; 50(4):280-291. doi: 10.1111/cdoe.12670. (NSC 99-2314-B-037-036-MY2; NSC 101-2314-B-037-039-MY3; Kmhk-104-026)  
  
SCI, Impact Factor: 2.489, Rank: 58/92, 2021  
Subject Categories: DENTISTRY, ORAL SURGERY & MEDICINE
8. Lin YC, Huang SS, Yen CW, Kabasawa Yuji, Lee CH, Huang HL\*. Physical Frailty and Oral Frailty Associated with Late-life Depression in Community-dwelling Older Adults. *J. Pers. Med.* 2022 March 14, 12(3), 459. (NHRI-107AI-PHCO-03181808; MOST108-2314-B-037-061)  
  
SCI, Impact Factor: 4.945, Rank: 31/167, 2021  
Subject Categories: MEDICINE, GENERAL & INTERNAL  
SCI, Impact Factor: 4.945, Rank: 15/107, 2021  
Subject Categories: Health Care Sciences and Service

9. Chang AH, Lin PC, Lin PC, Lin YC, Kabasawa Yuji, Lin CY, Huang HL\*. Effectiveness of Virtual Reality-Based Training on Oral Healthcare for Disabled Elderly: A Randomized Controlled Trial. *J. Pers. Med.* 2022 Feb 4, 12(2), 218. <https://doi.org/10.3390/jpm12020218> (CY-05-07-39-110)  
  
SCI, Impact Factor: 4.945, Rank: 31/167, 2021  
Subject Categories: MEDICINE, GENERAL & INTERNAL  
SCI, Impact Factor: 4.945, Rank: 15/107, 2021  
Subject Categories: Health Care Sciences and Service
10. Wei CT, Lo KY, Lin YC, Chen FL, Hu CY, Huang HL\*. Effects of Health-Promoting School Strategy on Dental Plaque Control and Preventive Behaviors in Schoolchildren in High-Caries, Rural Areas of Taiwan: A Quasi-Experimental Design. *BMC Oral Health* 2021 November 8, 21(1):573  
  
SCI, Impact Factor: 3.747, Rank: 22/92, 2021  
Subject Categories: DENTISTRY, ORAL SURGERY & MEDICINE
11. Hsu YJ, Chen YH, Lin KD, Lee MY, Lee YL, Yu CK, Kabasawa Y, Huang HL\*. Clinical Outcomes and Oral Health-Related Quality of Life after Periodontal Treatment with Community Health Worker Strategy in Patients with Type 2 Diabetes: A Randomized Controlled Study. *Int J Environ Res Public Health* 2021 Aug 7, 18(16), 8371 (MOST104-2314-B-037-013-MY3; MOST109-2314-B-037-074)  
  
SSCI, Impact Factor: 4.614, Rank: 45/182, 2021  
Subject Categories: PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH
12. Lin YC, Du JK, Lin PC, Kabasawa Yuji, Lin PL, Hsiao SY\*, Huang HL\*. Association between the dental occlusion and perceived ability to eat foods of Taiwanese older adults. *Journal of Oral Rehabilitation* 2021 Jul;48(7):817-826. (NHRI-107AI-PHCO-03181808; MOST108-2314-B-037-061)  
  
SCI, Impact Factor: 3.558, Rank: 26/92, 2021  
Subject Categories: DENTISTRY, ORAL SURGERY & MEDICINE
13. Wu PW, Tsai S, Lee CY, Lin WT, Chin YT, Huang HL, Seal WD, Chen T, Lee CH\* Contribution of insulin resistance to the relationship between sugar-sweetened beverage intake and a constellation of cardiometabolic abnormalities in adolescents. *International Journal of Obesity* (Lond). 2021 Apr;45(4):828-839.  
  
SCI, Impact Factor: 5.095, Rank: 23/89, 2020  
Subject Categories: NUTRITION & DIETETICS
14. Lu TY, Chen JH, Du JK, Lin YC, Ho PS, Lee CH, Hu CY, Huang HL\*. Dysphagia and Masticatory Performance as a Mediator of the Xerostomia to Quality of Life Relation in the Older Population. *BMC Geriatrics* 2020 Dec 2; 20(1): 521(NHRI-107AI-PHCO-03181808; MOST108-2314-B-037-061)  
  
SSCI, Impact Factor: 4.070, Rank: 10/37, 2021  
Subject Categories: GERONTOLOGY
15. Lee HL, Lin YC, Peng WD, Hu CY, Lee CH, Hsu YJ, Yen YY, Huang HL\*. Effectiveness of a Theory of

Planned Behavior-Based Intervention for Promoting Periodontal Preventive Behaviors among Medical Students in Taiwan. *J Am Coll Health*. 2020 Nov-Dec;68(8):883-890.

SSCI, Impact Factor: 3.087, Rank: 75/264, 2020

Subject Categories: EDUCATION & EDUCATIONAL RESEARCH

16. Chin YT, Lin WT, Wu PW, Tsai S, Lee CY, Seal DW, Ted Chen, Huang HL, Lee CH\*. Characteristic-Grouped Adiposity Indicators for Identifying Metabolic Syndrome in Adolescents: Develop and Valid Risk Screening Tools Using Dual Population. *Nutrients* 2020 Oct. 26; 12(10): E3165

SCI, Impact Factor: 4.546, Rank: 17/89, 2019

Subject Categories: NUTRITION & DIETETICS

17. Lee H, Ho PS, Wang WC, Hu CY, Lee CH, Huang HL\*. Effectiveness of a Health Belief Model Intervention Using a Lay Health Advisor Strategy on Mouth Self-Examination and Cancer Screening in Remote Aboriginal Communities: A Randomized Controlled Trial. *Patient Educ Couns*. 2019 Dec;102(12):2263-2269. (H102008; H103009)

SSCI, Impact Factor:2.607, Rank: 16/108, 2019

Subject Categories: SOCIAL SCIENCES, INTERDISCIPLINARY

18. Hsu YJ, Lin KD, Chen JH, Lee MY, Lin YC, Yen FC\*, Huang HL\*. Periodontal Treatment Experience Associated with Oral Health-Related Quality of Life in Patients with Poor Glycemic Control in Type 2 Diabetes: A Case-Control Study. *Int J Environ Res Public Health* 2019 Oct 19; 16(20):4011 (MOST104-2314-B-037-013-MY3; MOST108-2314-B-037-061)

SSCI, Impact Factor: 2.849, Rank: 32/170, 2019 (IF=3.390 41/176 Q1 2020)

Subject Categories: PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH

19. Lin JH, Huang YK, Lin KD, Hsu YJ, Huang WF\*, Huang HL\*. Randomized Controlled Trial on Effects of a Brief Clinical-Based Intervention Involving Planning Strategy on Self-Care Behaviors in Periodontal Patients in Dental Practice. *Int J Environ Res Public Health* 2019 Oct 11; 16(20):3838 (MOST104-2314-B-037-013-MY3; MOST108-2314-B-037-061)

SSCI, Impact Factor: 2.849, Rank: 32/170, 2019 (IF=3.390 41/176 Q1 2020)

Subject Categories: PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH

20. Lin WT, Lee CY, Tsai S, Huang HL, Wu PW, Chin YT, Seal DW, Chen T, Chao YY, Lee CH\*. Clustering of Metabolic Risk Components and Associated Lifestyle Factors: A Nationwide Adolescent Study in Taiwan. *Nutrients*. 2019 Mar 9;11(3). pii: E584.

SCI, Impact Factor: 4.546, Rank: 17/89, 2019

Subject Categories: NUTRITION & DIETETICS

21. Lin YC, Chang CS, Ho PS, Lee CH, Chen JH, Huang HL\*. Immigrant-Native Differences in Sugar-Sweetened Beverage and Snack Consumption and Preventive Behaviors Associated with Severe Early Childhood Caries: A Large-Scale Survey in Taiwan. *Int J Environ Res Public Health* 2019 Mar

22;16(6): E1047

SSCI, Impact Factor: 2.849, Rank: 32/170, 2019

Subject Categories: PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH

22. Huang HL, Peng WD, Ling YC, Lee CH, Hu CY, Huang ST\*. Gender-specific Factors Associated with the Suicidal Ideation of Children in Taiwan: A Large-Scale Cross-Sectional Study. *Int J Psychol* 2019 Feb; 54(1):53-60 (NSC 98-2314-B-037-003-MY2)

SSCI, Impact Factor: 1.255, Rank: 80/138, 2019

Subject Categories: PSYCHOLOGY, MULTIDISCIPLINARY

( II ) 研討會論文 \* Corresponding author

#### INVITED SPEAKER

- Huang HL. Parallel 6. Oral and swallowing function in patients with dysphagia: Bring a public health perspective to oral healthcare and swallowing function improvement in patients. Invited speaking at the 1st International Conference of Asian Dysphagia Society (ADS International Conference 2023), Suwon Convention Center, KOREA. Nov. 12~14, 2023.
- Huang HL. Oral Function Intervention Strategy in Older Population: Evidence from Clinical to Community Setting. Invited speaking at the International Association of Gerontology and Geriatrics (IAGG) Asia Oceania Regional Congress 2023, Yokohama, JAPAN. June. 12~14, 2023.
- Huang HL. Oral Frailty Impact Health Outcomes for Older People. Invited speaking at the International Association of Gerontology and Geriatrics (IAGG) Asia Oceania Regional Congress 2023, Yokohama, JAPAN. June. 12~14, 2023.
- Huang HL. Using Virtual Reality Simulation Training System to Improve Geriatric Oral Care Performance. Invited speaking at the 2nd Asia Association for Disability and Oral Health, Okayama, JAPAN. Nov. 05, 2022.
- Huang HL. The Learning Satisfaction and Effectiveness of VR/AR Training System on Elderly Oral Care. Invited speaking at the 26th IADH Congress International Association for Disability & Oral Health, Paris, FRANCE. Aug. 25, 2022.

#### CONFERENCES

1. Wang YS, Chen MA, Lo KY, Huang HL\*. *Mobile Augmented Reality Simulation Toothbrushing Machine on Dental Plaque Control, Self-efficacy and Skill of Toothbrushing in Elementary School Children*. Poster presented at the 23th Annual National Oral Health Conference. April 17-19, 2023 in Orlando, FL, USA.
2. Ho YW, Wu JJ, Huang CL, You FT, Huang HL\*. *AI-assisted Dental Monitoring on Protection Motivation and Dental Plaque Control in Patients with Periodontal Disease* Poster presented at the 23th Annual National Oral Health Conference. April 17-19, 2023 in Orlando, FL, USA.

3. You FZ, Huang CL, Huang HL\*. *Using artificial intelligence-assisted dental monitoring in health counseling on treatment outcomes and oral health-related quality of life in patients with periodontitis: a randomized controlled trial*. Oral presented at the International Symposium of the 15th Research Day College of Dental Medicine. March 17, 2023 in Kaohsiung Medical University, Taiwan.
4. Wang YS, Chen MA, Lo KY, Huang HL\*. *AR Toothbrushing Machine on Plaque Control, Self-efficacy and Skill of Toothbrushing in School Children*. Oral presented at the International Symposium of the 15th Research Day College of Dental Medicine. March 17, 2023 in Kaohsiung Medical University, Taiwan.
5. Gu JS, Chen MA, Lin YC, Huang HL\*. *The effect of brushing with fluoride toothpaste on dental plaque control for elementary school students*. Poster presented at the International Symposium of the 15th Research Day College of Dental Medicine. March 17, 2023 in Kaohsiung Medical University, Taiwan.
6. Wu JJ, Ho YW, Huang CL, You FT, Huang HL\*. *AI-assisted dental monitoring on protection motivation and dental plaque control in patients with periodontal disease*. Poster presented at the International Symposium of the 15th Research Day College of Dental Medicine. March 17, 2023 in Kaohsiung Medical University, Taiwan.
7. Lee HT, Lee YS, You FT, Huang HL\*. *Impact of Dysphagia on Sleep Quality in the Elderly Population*. Poster presented at the International Symposium of the 15th Research Day College of Dental Medicine. March 17, 2023 in Kaohsiung Medical University, Taiwan.
8. Tseng PC, You FT, Huang HL\*. *Oral health preventive knowledge, attitude and practice among dental and non-dental college students*. Poster presented at the International Symposium of the 15th Research Day College of Dental Medicine. March 17, 2023 in Kaohsiung Medical University, Taiwan.
9. Heish TH, Lu KH, Huang HL\*. *Oral Function, Physical Function and Oral Health-Related Quality of Life in Community Older Population*. Poster presented at the International Symposium of the 15th Research Day College of Dental Medicine. March 17, 2023 in Kaohsiung Medical University, Taiwan.
10. Wang YS, Chen CC, Lo KY, Huang HL\*. *The Effects of Mobile AR Digital Toothbrush Machine on Dental Plaque Control and Toothbrushing Skill in Elementary School Children*. Poster presented at the 45th Chinese Taipei Association for Dental Sciences Annual Scientific Meeting. Nov 06, 2022 in Taipei, Taiwan.
11. You FZ, Huang CL, Huang HL\*. *Health Counseling with Artificial Intelligence-Assisted Dental Monitoring on Treatment Outcomes in Patients with Periodontitis: A Randomized Controlled Trial*. Poster presented at the 26th IADH Congress International Association for Disability & Oral Health, Paris, FRANCE. Aug. 25, 2022.
12. Liu YL, Wang YS, Lo KY, Huang HL\*. *A mobile AR simulation brushing machine on dental plaque control for elementary school students: A pilot study*. Poster presented at the 26th IADH Congress

International Association for Disability & Oral Health, Paris, FRANCE. Aug. 25, 2022.

13. Lin YC, Huang ST, Huang HL\*. 高齡者咀嚼吞嚥困難與肌少症、衰弱症之相關性 Poster presented at the 2022 annual conference of the Taiwan Association of Dysphagia. August 7, 2022 in Taipei, Taiwan.
14. Chen MA, Lin YC, Huang HL\*. Effectiveness of an oral rehabilitation intervention on the oral health-related quality of life and salivary antimicrobial peptide in older patients with dementia. Poster presented at the 2022 annual conference of the Taiwan Association of Dysphagia. August 7, 2022 in Taipei, Taiwan.
15. Lin YC, Huang HL\*. Effect of virtual reality (VR) and augmented reality (AR) oral care training systems for continuing education of home care workers. Poster presented at the 2022 annual conference of the Taiwan Association of Dysphagia. August 7, 2022 in Taipei, Taiwan.
16. FZ Yu, YC Lin, Huang HL\*. *Health Education with the AI-Platform on Oral Hygiene and Periodontal Treatment Outcome in Patients with Periodontal Disease: A Randomized Controlled Trial*. Oral presented at the 24th IUHPE World Conference on Health Promotion: Promoting policies for health, well-being and equity, May 15-19, 2022, Montreal, Québec, Canada - [www.iuhpe2022.com](http://www.iuhpe2022.com)
17. Chen MA, Huang HL, Lin YC\*. *Effects of oral rehabilitation program on the oral health-related quality of life and salivary lactoferrin level in older patients with dementia: a randomized clinical trial*. Oral presented at the International Symposium of the 14th Research Day College of Dental Medicine. March 18, 2022 in Kaohsiung Medical University, Taiwan.
18. Lin YC, Lin PC, Lin PC, Huang HL\*. *Geriatric Oral Care Performance Using Virtual and Augmented Reality (VR/AR) System: Preliminary Finding in Community Health Workers*. Oral presented at the International Symposium of the 14th Research Day College of Dental Medicine. March 18, 2022 in Kaohsiung Medical University, Taiwan.
19. Chang AH, Lin YC, Huang HL\*. *Virtual Reality Training System on Oral Health Care for Dependency Elderly in Oral Hygiene Students*. Oral presented at the International Symposium of the 14th Research Day College of Dental Medicine. March 18, 2022 in Kaohsiung Medical University, Taiwan.
20. Wu PC, Chang AH, Huang HL\*. *A Brief Study of Oral Health Education on Dental Plaque Control among Elementary School Students in Chiayi County*. Poster presented at the International Symposium of the 14th Research Day College of Dental Medicine. March 18, 2022 in Kaohsiung Medical University, Taiwan.
21. Wang JF, Hu YJ, Wang YS, Chang AH, Lo KY, Huang HL\*. *The Efficacy of Mobile AR Brushing Machine on Dental Plaque Control and Brushing Technique for Elementary School Students: A Pilot Study in Chiayi County*. Poster presented at the International Symposium of the 14th Research Day College of Dental Medicine. March 18, 2022 in Kaohsiung Medical University, Taiwan.
22. Huang YH, Chen WH, Lin YC, Huang HL\*. *Geriatric Oral Care Intention and Related Factors among Long-Term Care Attendants*. Poster presented at the International Symposium of the 14th Research Day College of Dental Medicine. March 18, 2022 in Kaohsiung Medical University, Taiwan.



23. Liao SR, Yuan XH, Chen MA, Huang HL\*. *Health-promoting School Strategy on the Oral Health-Related Knowledge, Self-efficacy and Behaviors in Middle-Grade Students in High-Caries Schools*. Poster presented at the International Symposium of the 14th Research Day College of Dental Medicine. March 18, 2022 in Kaohsiung Medical University, Taiwan.
24. Hsu YJ, Huang HL\*. *The Role of Community Health Workers in the Management of Periodontal Disease in Patients with Type 2 Diabetes*. Oral presented at the 44th Chinese Taipei Association for Dental Sciences Annual Scientific Meeting. October 30, 2021 in Taipei, Taiwan.
25. Chang AH, Lin YC, Lin PC, Lin PC, Huang HL\*. *Effect of Virtual Reality-based Training on Oral Health Care for Elderly in Oral Hygiene Students: A Randomized Study*. Oral presented at the 44th Chinese Taipei Association for Dental Sciences Annual Scientific Meeting. October 30, 2021 in Taipei, Taiwan.
26. Huang HL, Shen KL, You FT, Huang CL\*. *The Dental Care Revolution: AI-platform Intervention on Plaque Control and Treatment Outcome in Patients with Periodontal Disease*. Oral presented at the 44th Chinese Taipei Association for Dental Sciences Annual Scientific Meeting. October 30, 2021 in Taipei, Taiwan. (MOST109-2314-B-037-074; MOST110-2314-B-037-037-MY2)
27. Shen KL, Huang CL, Huang HL\*. *Health Education Using AI or Humanized Counseling on Plaque Control and Periodontal Treatment Outcome in Patients with Periodontal Disease*. Oral presented at the International Symposium of the 13rd Research Day College of Dental Medicine. March 19, 2021 in Kaohsiung Medical University, Taiwan. (MOST109-2314-B-037-074)
28. Cheng BH, Huang HL\*. *Evaluation of a Lay Health Advisors Strategy on Oral Function, Plaque Control and Behavior Change Among Older People in Aboriginal Communities: A Randomized Controlled Trial*. Oral presented at the International Symposium of the 13rd Research Day College of Dental Medicine. March 19, 2021 in Kaohsiung Medical University, Taiwan.
29. Tsou HP, Huang HL\*. *Maternal Oral Health Literacy and Behaviors Associated with Child Caries in Kaohsiung City*. Oral presented at the International Symposium of the 13rd Research Day College of Dental Medicine. March 19, 2021 in Kaohsiung Medical University, Taiwan.
30. Kuo CY, Chen WJ, Chang AH, Lin YC, Huang HL\*. *A Pilot Study on the Learning Satisfaction and Effectiveness of VR/AR Training System on Self-Efficacy of Elderly Oral Care among Oral Hygiene Students*. Poster presented at the International Symposium of the 13rd Research Day College of Dental Medicine. March 19, 2021 in Kaohsiung Medical University, Taiwan.
31. Yu CS, Cheng BH, Huang HL\*. *The Effectiveness of Oral Exercise Intervention Using Leaflet and Film on Oral Function Improvement among Older People in Aboriginal Communities*. Poster presented at the International Symposium of the 13rd Research Day College of Dental Medicine. March 19, 2021 in Kaohsiung Medical University, Taiwan.
32. Liou CH, Wu YL, Shen KL, Huang CL, Huang HL\*. *The Potential of AI in Homecare: A Pilot Study of AI Intervention on Change of Oral Self-Care Behavior in Periodontal Patients*. Poster presented at the International Symposium of the 13rd Research Day College of Dental Medicine. March 19, 2021 in Kaohsiung Medical University, Taiwan. (MOST109-2314-B-037-074)

33. Chen HY, Chen MA, Huang HL\*. *Caries Preventive Awareness, Attitude, Behaviors towards Children among Parents*. Poster presented at the International Symposium of the 13rd Research Day College of Dental Medicine. March 19, 2021 in Kaohsiung Medical University, Taiwan.
  34. Lee CT, Chen MA, Huang HL\*. *Factors Associated with Root Caries in the Elderly People*. Poster presented at the International Symposium of the 13rd Research Day College of Dental Medicine. March 19, 2021 in Kaohsiung Medical University, Taiwan.
  35. Lin YC, Huang HL\*. *Virtual Reality and Augmented Reality (VR/AR) Technology in Dental Medical Education*. Oral presented at the 2nd International Conference on Digital Solutions for Education and Clinical Dentistry. January 16, 2021 in National Cheng Kung University, Taiwan.
  36. Chung YL, Lu TY, Chen JH, Huang HL\*. Oral function, physical function and oral health-related quality of life in the community elderly. Poster presented at the 20th Annual National Oral Health Conference. April 06-08, 2020 in San Diego, LA, USA.
  37. Ciou S, Huang HL\*. Factors associated with severe early childhood caries in Taipei City, Taiwan. Poster presented at the 20th Annual National Oral Health Conference. April 06-08, 2020 in San Diego, LA, USA.
  38. Wei CT, Lin YC, Lo KY, Huang HL\*. Health Promoting School Program on Plaque Control and Preventive Behaviors in High-Caries Schoolchildren. Poster presented at the 20th Annual National Oral Health Conference. April 06-08, 2020 in San Diego, LA, USA.
  39. Chen MA, Huang ST, Huang HL\*. A randomized clinic trial of an oral health care program for dementia. Oral presented at the 36th Annual Meeting of Japanese Society for Disability and Oral Health. November 22-24, 2019 in Gifu, Japan.
  40. Lu TY, Chen JH, Lin YC, Huang HL\*. Swallowing and masticatory function, physical function, and oral health-related quality of life in community-dwelling older adults. Poster presented at the 19th Annual National Oral Health Conference. April 15-17, 2019 in Memphis, TN, USA.
  41. Chang AH, Chen MA, Huang ST, Huang HL\*. A randomized clinic trial of an oral health care program for the dementia elderly in Taiwan: A pilot study. Poster presented at the 19th Annual National Oral Health Conference. April 15-17, 2019 in Memphis, TN, USA.
  42. Chen MA, Huang ST, Huang HL\*. A randomized clinic trial of an oral care training to improve behaviors for the dementia elderly and their caregivers in Taiwan: a pilot study. Poster presented at the 1st Asia Association for Disability and Oral Health (AADOH 2019). April 12-14, 2019 in Kaohsiung, Taiwan.
  43. Lu TY, Chen JH, Lin YC, Huang HL\*. *Swallowing and masticatory function, physical function, and oral health-related quality of life in community-dwelling elderly population*. Oral presented at the International Symposium of the 11th Research Day College of Dental Medicine. April 26, 2019 in Kaohsiung Medical University.
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## 研究計劃

序號	計畫名稱及編號	補助單位	執行期限	核定經費	工作性質 (主持人 或共同主 持人)
1	衛生教育輔以高科技擴增實境 (AR)潔牙訓練對控制不佳的第二型糖尿病患者牙周狀況、血糖控制及生活品質之影響(2)	國科會	113/08/01~ 114/07/31	1,275,000	主持人
2	113 年度臺北市社區口腔保健推動計畫	臺北市衛生局	113/03/01~ 113/10/31	370,000	主持人
3	衛生教育輔以高科技擴增實境 (AR)潔牙訓練對控制不佳的第二型糖尿病患者牙周狀況、血糖控制及生活品質之影響(1)	國科會	112/08/01~ 113/07/31	1,370,161	主持人
4	112 年度臺北市社區口腔保健推動計畫	臺北市衛生局	112/03/14~ 112/11/24	490,000	主持人
5	111-112 年度學幼童口腔保健計畫	教育部國教署	111/09/12~ 113/08/31	4,880,000	主持人
6	111 年度臺北市社區口腔保健推動計畫	臺北市衛生局	111/02/25 - 111/12/09	600,000	主持人
7	110 年度臺北市社區口腔保健推動計畫	臺北市衛生局	110/04/12~ 110/12/12	300,000	主持人
8	牙科照護革新: 衛生教育使用 AI 或人性化諮詢對牙周病人牙菌斑控制與治療之成效(2)	科技部	110/08/01~ 112/07/31	2,600,000	主持人
9	光學定位技術結合 AR/VR/MR 數位科技建置高齡口腔照護專業培訓計畫	科技部南部科學園區管理局	110/03/01~ 111/02/28	1,800,000	主持人
10	口健漱口水對口腔抑菌之效果	優植美科技股份有限公司產學合作	109/07/15~ 110/12/31	300,000	主持人
11	109~110 年度學童口腔保健計畫	教育部國教署	109/10/21~ 111/08/31	4,900,000	主持人
12	109 年度臺北市社區口腔保健推動計畫	臺北市衛生局	109/07/28~ 109/11/27	300,000	主持人
13	109 年臺北市學齡前兒童整合性社區篩檢暨口腔衛生習慣趨勢分析	臺北市衛生局	109/05/01~ 109/11/30	170,000	主持人

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14	牙科照護革新: 衛生教育使用 AI 或人性化諮詢對牙周病人牙菌斑控制與治療之成效(1)	科技部	109/08/01~ 111/01/31	1,040,000	主持人
15	109 年度「高齡者及特殊需求者口腔機能促進保健計畫」	衛生福利部心 口司	109/03/01~ 109/12/31	2,470,000	主持人
16	衛生教育應用保護動機理論與行動及應對計畫於臨床實務對病人遵從口腔照護行為、牙周狀況及生活品質之成效:風險評估、模型介入與結果評價	科技部	108/08/01~ 109/07/31	1,190,000	主持人
17	108 銀髮族口腔衛生照護相關研究之推動計畫	國家衛生研究 院	108/01/01~ 108/12/31	5,400,000	主持人
18	107~108 年度學童口腔保健計畫	教育部國教署	107/11/13~ 109/08/31	4,900,000	主持人
19	107 年臺北市學齡前兒童整合性社區篩檢暨視力與口腔衛生習慣調查問卷分析	台北市衛生局	107/04/20~ 107/11/30	175,000	主持人
20	107 銀髮族口腔衛生照護相關研究之推動計畫	國家衛生研究 院	107/03/01 ~ 107/12/31	6,500,000	主持人
21	高齡者牙刷握把輔具之通用設計	中山高醫產學 計畫	106/08/01~ 107/08/01	200,000	主持人
22	106 年度學童口腔保健計畫	教育部國教署	106/10/01 ~ 107/07/31	2,350,000	主持人
23	應用 Lay Health Advisor (LHA) 策略模式於第二型糖尿病患者牙周照護介入之追蹤評價研究:需求評估、LHA 培訓與成效(3/3)	科技部	106/08/01~ 107/07/31	1,200,000	主持人
24	105 年度學童口腔保健計畫	教育部國教署	105/08/31 ~ 106/08/30	2,500,000	主持人
25	應用 Lay Health Advisor (LHA) 策略模式於第二型糖尿病患者牙周照護介入之追蹤評價研究:需求評估、LHA 培訓與成效(2/3)	科技部	105/08/01~ 106/07/31	1,200,000	主持人
26	105 年臺北市學齡前兒童整合性社區篩檢暨視力與口腔衛生習慣調查問卷分析	台北市衛生局	105/05/24~ 105/11/30	174,000	主持人

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27	青少年肥胖-心血管疾病軸關聯因素與症候群之多層次縱貫式研究：心血管代謝風險、前期糖尿病與高尿酸血症之探討(3/3)	科技部	105/08/01 ~ 106/07/31	1,300,000	共同主持人
28	「辦理 105 年健康促進學校國際認證及第 22 屆 IUHPE 世界健康促進研討會平行會議行政工作計畫」	衛生福利部 國民健康署	105/01/01~ 105/12/31	6,513,000	協同主持人
29	應用 Lay Health Advisor (LHA) 策略模式於第二型糖尿病患者牙周照護介入之追蹤評價研究:需求評估、LHA 培訓與成效(1/3)	科技部	104/08/01~ 105/07/31	1,200,000	主持人
30	醫學生物統計學認知評量工具--發展與檢測	科技部	104/08/01~ 105/07/31	855,000	共同主持人
31	青少年肥胖-心血管疾病軸關聯因素與症候群之多層次縱貫式研究：心血管代謝風險、前期糖尿病與高尿酸血症之探討(2/3)	科技部	104/08/01~ 105/07/31	1,300,000	共同主持人
32	104 年臺北市學齡前兒童整合性社區篩檢暨視力與口腔衛生習慣調查問卷分析	台北市衛生局	104/06/17 ~ 104/12/31	175,500	主持人
33	104 年至 105 年健康促進學校國際認證計畫	衛生福利部 國民健康署	104/01/01 ~ 104/12/31	4,820,000	協同主持人
34	104 年度學童口腔保健計畫	教育部國教署	104/04/02 ~ 105/04/01	2,500,000	主持人
35	青少年肥胖-心血管疾病軸關聯因素與症候群之多層次縱貫式研究：心血管代謝風險、前期糖尿病與高尿酸血症之探討(1/3)	科技部	103/08/01 ~ 104/07/31	1,300,000	共同主持人
36	LHAs 介入策略模式對台灣外籍配偶學齡前兒童口腔健康影響成效之實驗性與追蹤型研究 (3/3)	科技部	103/08/01 ~ 104/07/31	960,000	主持人
37	台灣健康促進學校申請認證後之師生健康行為調查計畫	衛生福利部 國民健康署	103/01/01- 103/12/31	5,000,000	協同主持人
38	103-104 年健康促進學校國際認證計畫(103 年後續擴充)	衛生福利部 國民健康署	103/01/01- 103/12/31	5,324,556	協同主持人
39	LHAs 介入策略模式對台灣外籍配偶學齡前兒童口腔健康影響成效之實驗性與追蹤型研究 (2/3)	科技部	102/08/01 ~ 103/07/31	1,125,000	主持人

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40	以職場為推動基礎之口腔健康照護介入模式計畫	衛生福利部 國民健康署	102/01/01 ~ 102/12/31	1,897,900	協同主持人
41	102 年至 103 年健康促進學校國際認證計畫	衛生福利部 國民健康署	102/01/01 ~ 102/12/31	4,755,000	協同主持人
42	評值 Lay Health Advisor (LHA) 社區層次介入模式於促進山地鄉原住民口腔保健利用之成效(1/2)	衛生署	102/01/01 ~ 102/12/31	2,545,661	主持人
43	LHAs 介入策略模式對台灣外籍配偶學齡前兒童口腔健康影響成效之實驗性與追蹤型研究 (1/3)	國科會	101/08/01 ~ 102/07/31	1,350,000	主持人
44	台灣健康促進學校申請認證前之師生健康行為調查計畫	國健局	101/01/01 ~ 101/12/31	5,000,000	協同主持人
45	上氣消化道癌症關聯於物質使用、生活型態因子及遺傳特質之環境與基因綜合性健康風險評價 (3/3)	國科會	101/08/01 ~ 102/07/31	950,000	共同主持人