



1061學期 專題研究課程推薦說明會

學系：口腔衛生學系 報告人：陳立昇



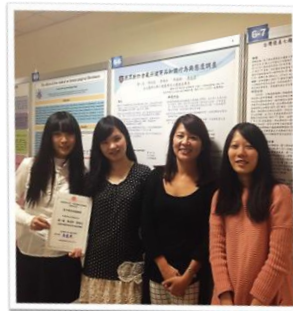
臺北醫學大學
TAIPEI MEDICAL UNIVERSITY

大綱

- 口腔衛生學系教師專長
- 專題研究課程申請行政規則
- 專題研究課程特色及修讀優勢
- 指導教師研究計畫及近三年通過科技部大專學生研究計畫
- 修讀專題研究課程之於未來展望

專題研究課程特色及修讀優勢

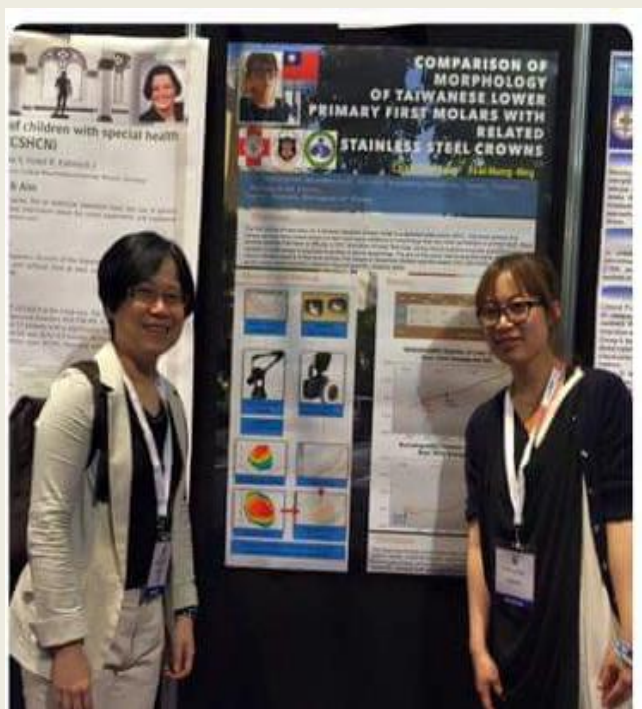
- 專題研究課程主要距焦為口腔衛生健康
- 特色
 - 臨床及社區研究
 - 研究範圍包含口腔公共衛生、口腔流行病學、口腔生物標記、社區世代追蹤、生物資訊及統計、衛生經濟評估
- 修讀優勢
 - 接觸大型研究計畫
 - 國際研究接軌



蔡恒惠 教授



項次	執行項目	補助單位
1	食鹽加氟論證研究計畫	衛生福利部
2	國人口腔健康監測調查	衛生福利部
3	老年人及慢性病患者口腔保健之宣導計畫	衛生福利部



A prediction model for periodontal disease: modelling and validation from a National Survey of 4061 Taiwanese adults.

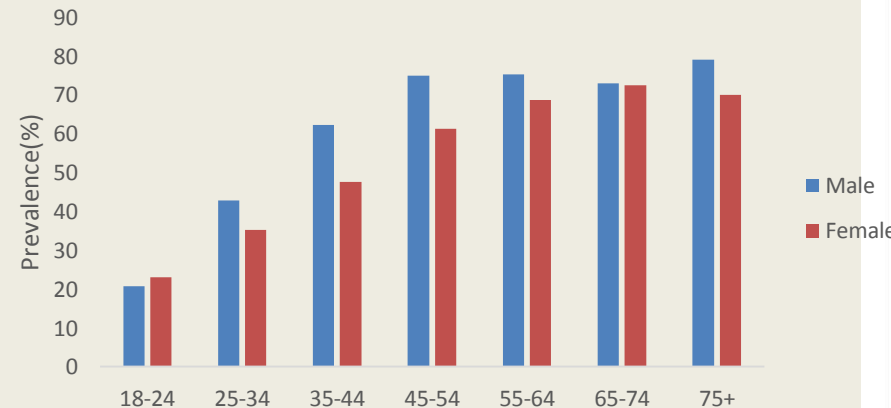
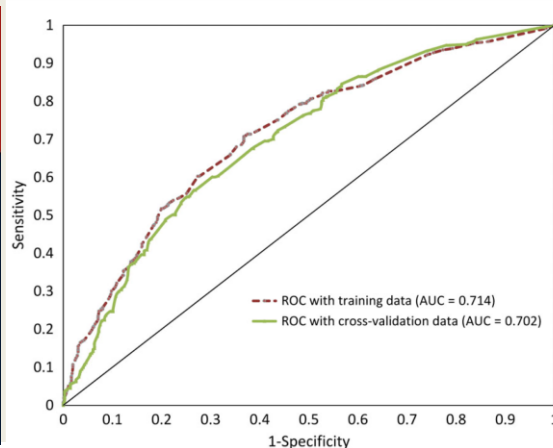
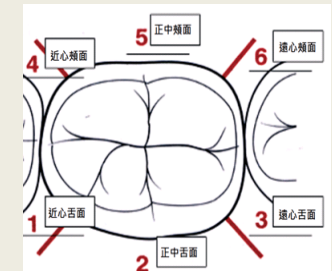
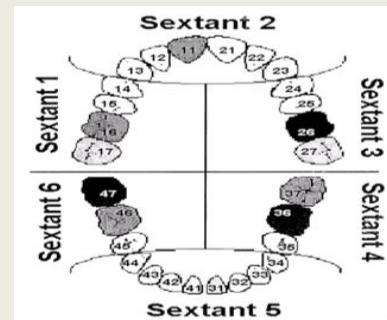
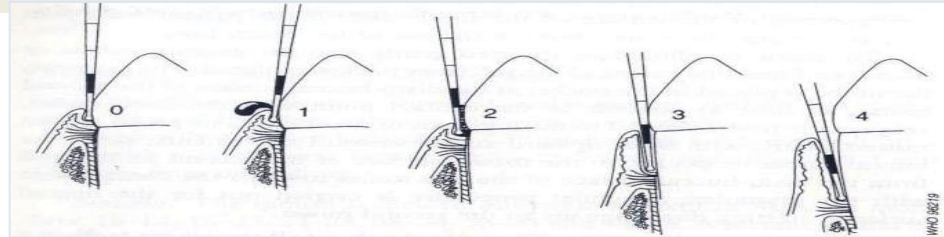
Journal of Clinical of Periodontology. 2015 ; 42: 413-421

陳立昇
副教授



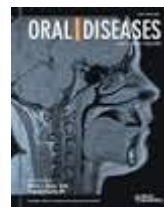
A prediction model for periodontal disease: modelling and validation from a National Survey of 4061 Taiwanese adults

Lai H, Su C-W, Yen AM-F, Chiu SY-H, Fann JC-Y, Wu WY-Y, Chuang S-L, Liu H-C, Chen H-H, Chen L-S. A prediction model for periodontal disease: modelling and validation from a National Survey of 4061 Taiwanese adults. *J Clin Periodontol* 2015; 42: 413-421. doi: 10.1111/jcpe.12389.



Effects of risk factors on periodontal disease defined by calibrated community periodontal index and loss of attachment scores

C-W Su¹ | AM-F Yen^{2,3} | H Lai^{4,5} | Y Lee⁶ | H-H Chen⁶ | SL-S Chen^{2,3} 



Oral Dis. 2017. doi: 10.1111/odi.12678

◆ Reliability with Kappa Statistics

◆ Validity with Sensitivity & Specificity

Area	Examiner	Site level		Examiner	Site level	
		κ	95% CI		Sen.	Spec.
North	Keelung	A	0.55 (0.36, 0.74)	A vs. S	0.53	0.98
		B	0.61 (0.45, 0.77)			
	S	0.52 (0.30, 0.74)	B vs. S	0.6	0.97	
Taipei	C	D	0.54 (0.43, 0.64)	C vs. S	0.44	0.94
		D	0.53 (0.44, 0.62)			
	S	0.59 (0.45, 0.72)	D vs. S	0.55	0.92	
Central	Changhua	E	0.67 (0.58, 0.75)	E vs. S	0.66	0.95
		F	0.23 (0.01, 0.45)			
	S	0.77 (0.69, 0.85)	F vs. S	0.1	0.99	
South	Tainan 1	G	0.28 (0.09, 0.46)	G vs. S	0.15	0.99
		H	0.89 (0.78, 1.00)			
	S	0.76 (0.69, 0.83)	H vs. S	0.18	1.00	
Tainan 2	I	J	0.49 (0.19, 0.79)	I vs. S	0.15	0.99
		J	0.67 (0.5, 0.85)			
	S	0.63 (0.46, 0.81)	J vs. S	0.5	0.98	
East	Taitung	K	0.96 (0.94, 0.99)	K vs. S	0.61	0.91
		L	0.78 (0.72, 0.84)			
	S	0.74 (0.68, 0.80)	L vs. S	0.63	0.93	
合計	A-K&S	0.71 (0.69, 0.74)	A-K&S	0.44	0.96	

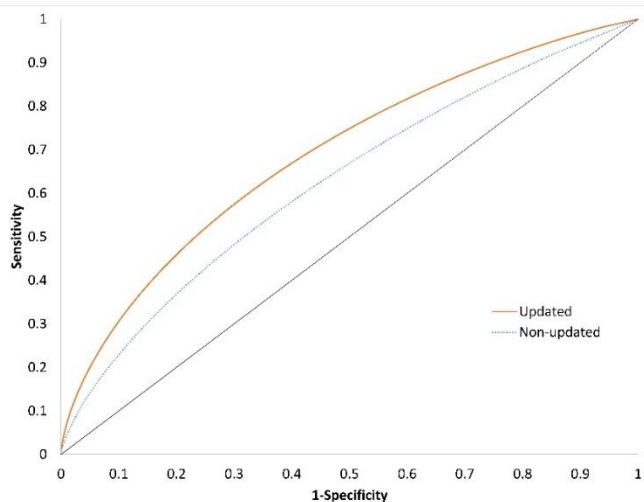
Journal of Periodontology; Copyright 2017

DOI: 10.1902/jop.2017.170138

Receiver Operating Characteristic (ROC) Curve-based Prediction Model for Periodontal Disease Updated With the Calibrated Community Periodontal Index

Su CW, Ming-Fang Yen, Lai H, Chen HH, Chen SL

J Periodontol. 2017 28:1-16.





嚴明芳副教授

ORIGINAL RESEARCH ARTICLE

Longer Duration and Earlier Age of Onset of Paternal Betel Chewing and Smoking Increase Metabolic Syndrome Risk in Human Offspring, Independently, in a Community-Based Screening Program in Taiwan

Circulation, 2016 Aug 2;134(5):392-404.

Longer duration, and earlier age of onset, of paternal betel chewing and smoking lead to higher transmission risks for **MetS** in human offspring

Amy Ming-Fang Yen, PhD
 Barbara J. Boucher, MD, FRCP
 Sherry Yueh-Hsia Chiu, PhD
 Jean Ching-Yuan Fann, PhD
 Sam Li-Sheng Chen, PhD
 Kuo-Chin Huang, PhD
 Hsiu-Hsi Chen, PhD

Clinical Perspective

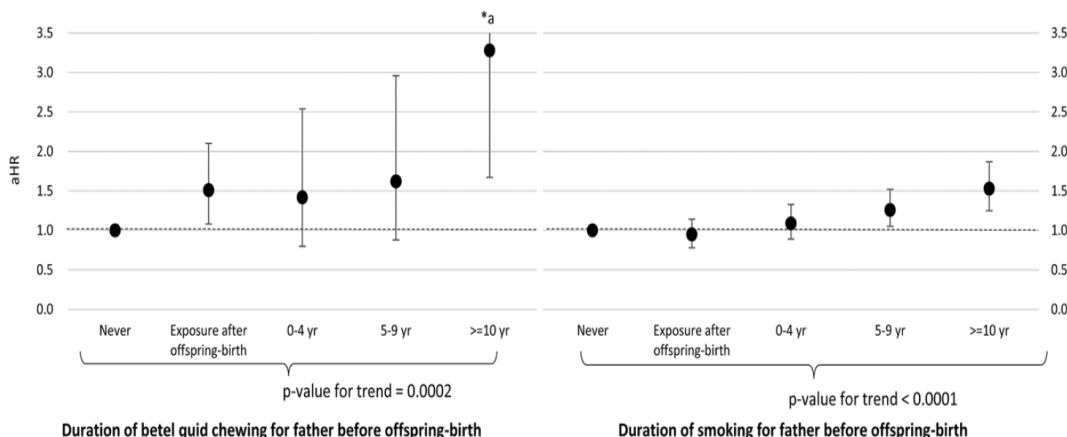
What Is New?

- Transgenerational effects of paternal *Areca catechu* nut chewing and smoking on offspring metabolic syndrome have been demonstrated by using data on a total of 13 179 parent-child trios from community-based longitudinal follow-up studies.
- Prefatherhood practices of both betel chewing and cigarette smoking led to 77% and 27% increases in risk of early offspring metabolic syndrome, respectively, independently.
- These higher risks of early manifestation of metabolic syndrome in offspring were reinforced further by the dose effects of increases in the duration of exposure to both areca nut ($P_{\text{trend}}=0.0002$) and smoking ($P_{\text{trend}}<0.0001$), and with earlier age of starting exposure to areca nut ($P_{\text{trend}}=0.0011$) and of smoking ($P_{\text{trend}}=0.0009$).

What Are the Clinical Implications?

- These findings provide a new insight into how genetic, or epigenetic, changes attributable to exposure to both habits before birth can contribute to early occurrence of offspring metabolic syndrome.
- This innovative finding on the transgenerational effects of both habits provides the potential for the determination of future pharmaceutical therapies, and nonpharmaceutical interventions, such as lifestyle modifications, for the offspring of fathers with early age and long duration of exposure to these 2 habits, and to support education for habit avoidance and habit cessation.

Duration of betel quids chewing/smoking for father before offspring birth





黃詠愷副教授

Clin Oral Invest (2014) 18:801–808

DOI 10.1007/s00784-013-1048-6

ORIGINAL ARTICLE

DNA methylation of *PAX1* as a biomarker for oral squamous cell carcinoma

Yung-Kai Huang · Bou-Yu Peng · Chia-Yo Wu ·
Chien-Tien Su · Hui-Chen Wang · Hung-Cheng Lai

口腔癌甲基化生物標記

膺復病人唾液含氧與治療效果關係



RESEARCH ARTICLE

Effects of Salivary Oxidative Markers on Edentulous Patients' Satisfaction with Prosthetic Denture Treatments: A Pilot Study

Chia-Huang Chang¹*, Chang-Yu Lee^{2,3}, Sheng-Wei Feng⁴, Nae-Fang Miao⁵, Pei-Huan Lin⁴, Che-Tong Lin^{4,6}, Shin-Han Tsai¹, Yung-Kai Huang^{2*}

1 College of Public Health and Nutrition, Taipei Medical University, Taipei, 110, Taiwan, **2** School of Oral Hygiene, College of Oral Medicine, Taipei Medical University, Taipei, 110, Taiwan, **3** Division of Periodontics, Department of Dentistry, Taipei Medical University Hospital, Taipei Medical University, Taipei, 110, Taiwan, **4** School of Dentistry, College of Oral Medicine, Taipei Medical University, Taipei, 110, Taiwan, **5** School of Nursing, Taipei Medical University, Taipei, 110, Taiwan, **6** Division of Prosthodontics, Department of Dentistry, Taipei Medical University Hospital, Taipei, 110, Taiwan

* These authors contributed equally to this work.

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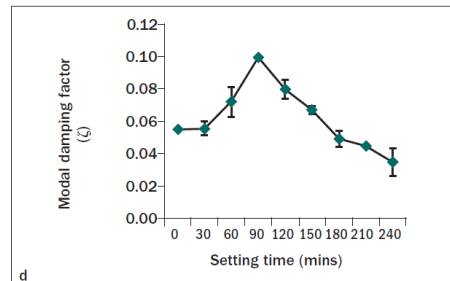
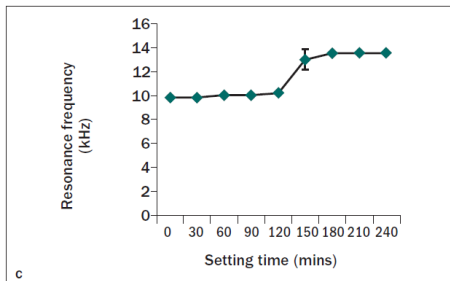
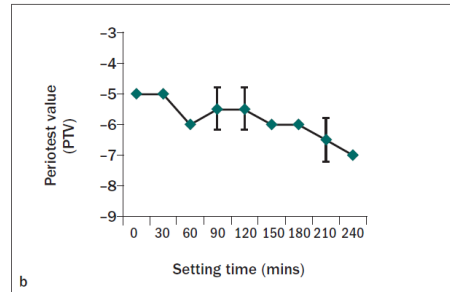
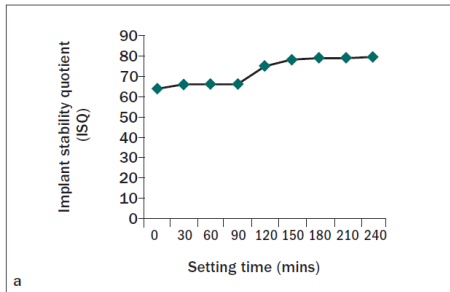
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click for updates



馮聖偉 助理教授

Modal Damping Factor Detected with an Impulse-Forced Vibration Method Provides Additional Information on Osseointegration During Dental Implant Healing

Sheng-Wei Feng, DDS, PhD¹/Wei-Jen Chang, DDS, PhD²/Che-Tong Lin, DDS, PhD³/
Sheng-Yang Lee, DDS, PhD³/Nai-Chia Teng, DDS, PhD²/Haw-Ming Huang, MD, PhD⁴



Int J Oral Maxillofac Implants, 2015

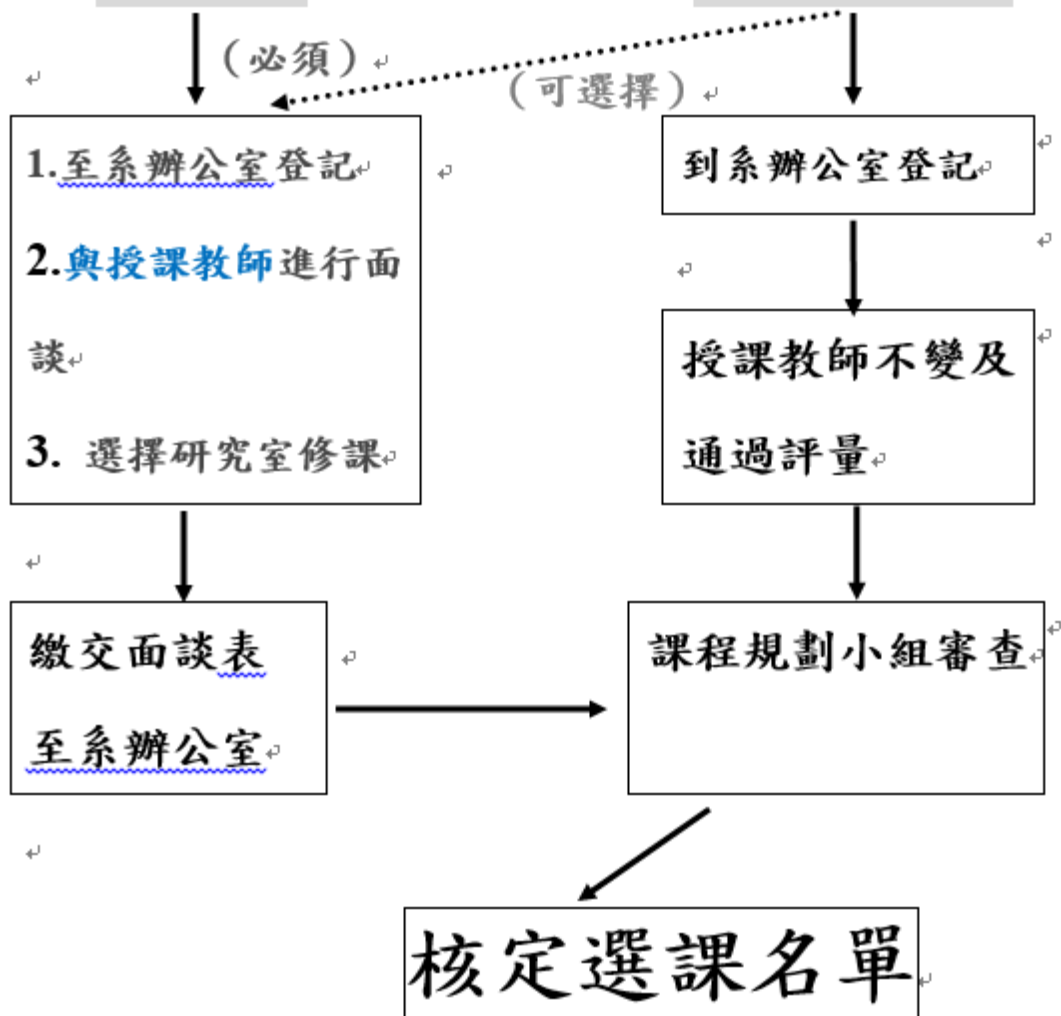
植牙治療效果評估

專題研究選課流程圖

公告授課教師專長

初選修者

曾經修過課者



科技部大專生計畫申請

學年	研究生	指導老師	研究題目
103年度	唐茂庭同學	嚴明芳老師	口腔衛生對肥胖及血糖之影響系統性文獻回顧及統合分析
103年度	黃小庭同學	黃詠愷老師	口腔健康商品廣告於大學生口腔健康知識、態度和行為之影響
103年度	黃小庭同學	黃詠愷老師	探頭網路氟謬誤對於大學生口腔知識行為態度之影響
103年度	黃鈺翔同學	陳立昇老師	孕婦牙周狀況與早產之關係
104年度	謝冠瑩同學	嚴明芳老師	大學生口腔衛生態度與行為之比較
104年度	陳科如同學	陳立昇老師	口腔衛生行為與代謝症候群相關研究

103學年度 專題研究競賽成績公告		
		
獲獎同學名單-1		
姓名	系級	專題研究題目
程奕	研級三	GLIAP-3與口腔癌細胞增殖及轉移、人類精囊癌與CTGF關係
洪維宏	研級二	HMGCoA2致癌基因於大腸直腸癌之調控探討
張瀚	研級三	大學生五大人格與口腔衛生行為相關程度相關研究
林宜賢	研級三	探討內臟脂肪量與糖尿病風險在特許飲食之操作及其他慢性代謝症候群研究
林宜賢	研級三	探頭網路、社群網路以上海及歐美之社會生活習慣之影響與生活習慣研究
謝鈺翔	研級二	探討西藥學能近代藥物對女性心臟病發生率及嚴重性之探討
高淑萍	研級二	不同飲食型態對於大腸直腸癌發生率與組織學影響
洪維宏	研級二	二甲基蛋氨酸人體組織調控對癌症發生
莊靜美	研級二	探頭網路調控以改善精神障礙與睡眠障礙病人之睡眠探討
謝鈺翔	研級三	探頭網路調控以改善精神障礙與睡眠障礙病人之睡眠探討
洪維宏	研級三	探頭網路調控以改善精神障礙與睡眠障礙病人之睡眠探討
林宜賢	研級三	探頭網路調控以改善精神障礙與睡眠障礙病人之睡眠探討
獲獎同學名單-2		
姓名	系級	專題研究題目
洪維宏	研級二	HMGCoA2致癌基因於大腸直腸癌之調控探討
張瀚	研級三	大學生五大人格與口腔衛生行為相關程度相關研究
程奕	研級三	GLIAP-3與口腔癌細胞增殖及轉移、人類精囊癌與CTGF關係

修讀專題研究課程之於未來展望

- 能了解該專業目前最新研究趨勢及知識
- 能學習資料分析技能
- 能學習實驗技術
- 能強化邏輯及推理能力

歡迎大家修讀!