

高雄醫學大學大學生專題研究計畫 教師申請表

檔案編號：本欄由學研組填寫

申請日期：115 年 4 月 26 日

一、申請教師資料

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二、申請一般補助資料 - 每位教師可指導 1~3 名學生參與

學系要求	牙醫系	年級要求	不拘
相關經歷要求	不拘		
研究主題 1	接受支持性牙周治療之患者中，於齒槽脊保存術、天然骨及引導骨再生部位植入之 Straumann 組織型植體之植體周圍炎盛行率：一項回溯性世代研究 Prevalence of peri-implantitis among Straumann® tissue-level implants placed at ARP, native bone, and GBR sites in patients compliant with supportive periodontal therapy: a retrospective cohort study		

Background:

Peri-implantitis is a major biological complication affecting the long-term stability of dental implants. Although alveolar ridge preservation (ARP), native bone healing, and guided bone regeneration (GBR) are commonly encountered clinical conditions before implant placement, whether these different bone-site characteristics influence the prevalence of peri-implantitis remains unclear.

Objective:

This retrospective cohort study aimed to compare the prevalence of peri-implantitis among Straumann® tissue-level implants placed at ARP, native bone, and GBR sites in patients compliant with supportive periodontal therapy.

Materials and Methods:

Patients who received Straumann® tissue-level implants and were regularly enrolled in supportive periodontal therapy were retrospectively included. Implant sites were categorized into three groups according to the pre-implant bone condition: ARP sites, native bone sites, and GBR sites. Clinical and radiographic records were reviewed to determine the presence of peri-implantitis. Peri-implantitis was diagnosed based on clinical inflammatory signs, probing depth, and radiographic marginal bone loss. Patient-related and implant-related factors were collected and compared among groups. Statistical analyses were performed to evaluate differences in peri-implantitis prevalence and to identify potential risk indicators.