

# Association of restoration contour upon dental implants and peri-implantitis: A cross-sectional analysis

人工植牙的牙冠外形和植體周圍炎的相關性：橫截面分析

申請老師：周郁翔助理教授

**Purpose:** We hypothesized that over-contoured restorations, defined as having a wide emergence angle and/or convex profile, would increase the risk for peri-implantitis. The aim of this study was to analyze a cross-sectional data set comparing healthy implants to those diagnosed with peri-implantitis to determine whether emergence angle and profile were associated with the prevalence of peri-implantitis.

**Materials and Methods:** Patients with dental implants were allocated into this study. Radiographs of implants were obtained after loading at least 1 year. Restoration emergence angles, as well as restoration profiles (convex or concave) were determined in radiographs. Peri-implantitis was diagnosed based on probing depth and radiographic bone loss. The statistical data between different implants or subjects were using two sample t-test and chi-square test.