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• 計畫中文名稱	利用口腔超音波研究舌頭慣性休息位置與齒顎形態之關係		
• 計畫英文名稱	Investigation of Tongue Habitual Rest Positions and the Corresponding Dentofacial Forms with the B+M-Mode Ultrasonography		
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• 中文關鍵字	慣性靜止位；舌運動；齒顎形態；超音波檢查		
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• 中文摘要	查無中文摘要		
• 英文摘要	To understand the role of tongue in the development of occlusion, the relationship between tongue movements during swallowing and dentofacial morphology was examined by ultrasonography, cephalometric radiography and dental casts. The computer-aided B+M-mode ultrasonography was used to assess their tongue movements. Duration, magnitude and speed of tongue movements in different swallowing phase were measured from 112 healthy adult volunteers and compared with their dentofacial morphology by means of a simple correlation analysis. The results showed that the movements of tongue during swallowing were related to the dentofacial morphology especially in the motion magnitude of the early final phase (phase IIIa), while only few correlations were found in the analysis of duration and speed of swallowing. The results also reported that the intermaxillary vertical relation had significantly positive relation with the motion magnitude of the tongue movements. Furthermore, arch length was found increased with prolonged duration of swallowing. This study elucidated that the computer-aided B+M-mode ultrasonography in combination with the cushion-scanning technique serves as a valuable tool for investigation of the relationship between tongue movements during swallowing and dentofacial morphology.		