

# 醫療創新-顏面賡復物之臨床應用： 以非手術方式重建顏面缺損

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## 摘要

顏面缺陷可能來自於癌症切除、天生缺陷、或意外創傷，由於此類缺陷存在於顎顏面部，容易使患者因缺損而影響日常生活品質，甚或喪失社交意願，進而影響患者與社會人群之連結。以往修復顎面缺陷的方式仍以手術為主，然而對於大面積的五官缺陷或缺損區涵蓋眼耳鼻等五官位置，手術能提供的效果仍十分有限。

顏面賡復體涵蓋範圍極廣，包含眼球本體、眼眶、鼻及耳朵部分，透過客製化之矽膠及樹脂假體，用以修復面部五官，經由雕刻和染色做出與顏面部非患側相似的假體，讓病患於日常生活中配戴，且不因顏面缺損而影響病患內在觀感，幫助病患自信地回歸日常生活。相較於現行的手術方式，顏面賡復物能夠模擬臉部細節構造，更能精準重現病人術前樣貌，此外，此種治療侵入性較小，對於術後預後不良的病人提供另一種風險較低的治療選擇。

本計畫預計利用顏面賡復體之製作重建患者顎顏面部缺損，除提供另一種非手術性重建之治療外，改善病患生活品質亦為首要目的。預期於本計畫期間為數名病患完成顏面賡復物的配戴，紀錄首次將顏面賡復體製作引進臺北榮總，希以執行本計畫之研究成果，將此項醫療服務長期設置於本院，成為本院的創新醫療特色，並將研究成果發表於國際期刊和會議。

關鍵詞：顏面賡復物、假體、顏面缺陷

## Abstract

Facial disfigurement can result from neoplasm removal, congenital absence, or trauma. While this type of defect is in the facial region, patients' quality of life can be greatly compromised. They may lose the motivation to interact with people, and isolate themselves from the society. In the past, surgery is the main solution for rehabilitation of facial defects. However, in some cases of orbit exenteration, rhinectomy, pinnectomy, or the combinations, the rehabilitating effects are very limited.

Facial prostheses are customized silicone-acrylic artificial devices which are fabricated to rehabilitate facial defects. The implications range from ocular, orbital, nasal, auricular, to mid-facial region. Through detailed sculpting and coloring, a prosthesis that highly resembles the contralateral side can be provided. Patients can wear the prosthesis on a daily basis, which can improve the psychological health of patients and help increase their confidence to return to society. Compared with surgical intervention, facial prosthesis can accomplish more detailed morphology of the face, meaning a more satisfactory aesthetic outcome. Moreover, prosthetic treatment is non-invasive, which provides a low-risk treatment plan for patients with poor prognosis.

This project plans to rehabilitate patients' facial disfigurement by fabricating customized facial prostheses, in an attempt to offer a non-surgical rehabilitative treatment and to improve patients' quality of life.

Keyword : maxillofacial prosthesis, facial disfigurement