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RECENT MICROSURGICAL TECHNIQUES IN MANAGEMENT OF FACIAL NERVE PALSY

THESIS

Submitted In Partial Fulfillment Of M.D. Degree In
GENERAL SURGERY

B6967

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باللغة العربية : هذا : أنت كسرهم المعنى

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بناءً على موافقة الجامعة بتاريخ ١٩٢٢/٤/١٩ تم تشكيل لجنة الفحص والمنافسة للرسالة
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بعد فحص الرسالة بواسطة كل عضو منفردا وكتابة تقارير منفردة لكل منهم إلتعادت اللجنة مجتمعة فسي

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والله أعلم بذلك الأمر العلمي التي قام عليها البحث .

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Key words:

Plastic surgery, Microsurgery, Facial nerve, free flap, functional muscle transfer, facial reanimation, microneurosurgery, nerve repair, hypoglossofacial repair, cross face nerve graft.

ABSTRACT

The present thesis included 20 patients with facial nerve paralysis whom were treated using microsurgical techniques.

Satisfactory results (good, excellent and superb) were achieved in 15 cases out of 19 (78.9 %), fair results in 3 cases (15.8 %) and only one failure (5.3 %).

All of the cases in which direct repair of the facial nerve or its branches was done, satisfactory results were achieved (100%).

Using the hypoglosso-facial technique, consistent results were achieved in the current study (good results in 6 cases "100 %").

Five cases of cross face nerve grafts were done as the sole procedure to reanimate the face. We had superb result in one case, excellent result in one case, good result in one case and 2 fair results.

In the current study 2 cases of free muscle transfer were done as a single stage procedure. In the first case, excellent result (grade V) was achieved after 18 months and complete disappearance of the muscle bulk occurred. In the second case, fair result (grade II) is achieved after 1 year. However another 1 year follow up is recommended to assess the final result.

The results were discussed and it was concluded that, microsurgical techniques are effective in the management of facial nerve paralysis of various durations and etiologies. However, careful selection of the appropriate procedure for each case is a must.

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