

Simultaneous three layer closure of the vestibulonasal fistula, cheloplasty and rhinoplasty in cleft lip nose deformity patients

Ahmed Mahrous

El Minia university hospital, Egypt

Purpose: The aim of this work is to study the possibility of one stage correction of the deformed lip and the deformed nose together with three layer closure of the associated vestibulonasal fistula in cleft lip nose deformity patients.

Materials and Methods: This is a prospective study of 40 patients who had cleft lip nose deformity and associated vestibulonasal fistula. 22 were males and 18 were females. Their mean age at the time of surgical intervention was 10 years. One stage surgical correction of the deformities was done.

Results: The esthetics markedly improved in all patients. There were no serious complications of the skin or the mucosal flaps. All the fistulae sites healed properly. The deformed cartilage gained its symmetry. Partial loss of the bone graft from a partial dehiscence in the buccalmucoperiosteal flaps occurred in three patients without affecting the final stability of closure and without recurrence of the fistula. The bone defect completely ossified by the end of the six postoperative months. The overall results were stable and most patients were satisfied.

Conclusion: Cleft lip nose deformity patients who have associated vestibulonasal fistula should be surgically corrected all in one go without a need to postpone any.

Clinical implications: This work decreases the number of surgeries needed for cleft lip nose deformity patients with associated decrease in financial supports, operative risks and time needed.

ahmed_mahrous63@yahoo.com