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Islandized mucoperiosteal flap a classic and reliable option for wide cleft palate repair

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Introduction

Wide cleft is always challenging for the cleft surgeon. The goal is not only to achieve proper closure of the defect but to create competent velopharyngeal port valve for the development and production of normal speech.

Various techniques have been utilized for palatoplasty to achieve the primary goals. Islandized mucoperiosteal flaps technique is one of the classic and versatile method for not only establishing the primary goals but also to reduce the incidence of wound dehisence and fistula formation.

The aim of this study is to share our experience of islandized mucoperiosteal flap for the closure of the wide cleft palate.

Materials and methods

Study design: Case Series

Study setting: Quetta Hospital, Quetta

Study Duration: 06 years (Jan 2017-Dec 2022)

Data of all patients underwent wide cleft palate closure with islandized mucoperiosteal flap are obtained from hospital record. Data were analyzed for the outcome of the procedure.

Results

Total patients included in this study were 51. Among all, one patient presented with wound dehisence and one patient presented small anterior fistula. Both patients were managed conservatively.

Conclusion

Islandized mucoperiosteal flap is a versatile and satisfying technique for the closure of wide cleft palate.