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Speech, Language, Voice, Resonance and Hearing Disorders in Patients with Cleft Lip and Palate

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Abstract

Objective: To estimate the prevalence of speech, language, and hearing disorders in patients with cleft palate with or without cleft lip.

Material and Method: All data were retrieved from 384 medical records, transferred to case record forms and analyzed.

Results: The oronasal fistula rate was 15.25% (95% confidence interval: CI 11.49-19.02). The overall rates of delayed language development, articulation disorders, resonance disorders, voice disorders, and hearing disorders were 16.33% (95% CI = 12.65-20.69), 88.56% (84.47-92.65), 43.26% (95% CI = 36.58-49.93), 19.13 (95% CI = 14.26-24.82), and 79.49% (95% CI = 74.28-84.70), respectively.

Conclusion: For speech and hearing, rates of abnormality were very high compared with those reported in the previous studies. Treatment protocols should receive more attention and intervention.

Keywords: Speech disorder, Language disorder, Hearing disorder, Cleft palate, Cleft lip

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