

# Evaluasi kesimetrisan bibir pasca labioplasti metode cronin pada kasus celah bibir dan langit-langit unilateral komplit ditinjau dari aspek antropometri = Symmetrical lip evaluation post labioplasty cronin method in unilateral complete cleft lip and palate cases from anthropometry aspect

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## Abstrak

Latar Belakang: Keseimbangan dan harmoni gambaran wajah merupakan tujuan utama dari penatalaksanaan bedah pada pasien dengan celah bibir. Berbagai metode operasi untuk celah bibir unilateral telah tersedia. Labioplasti metode Cronin pada pasien celah bibir dan langit-langit unilateral menghasilkan bibir yang simetris dengan jaringan parut seminimal mungkin.

Tujuan: Evaluasi kesimetrisan bibir pada pasien celah bibir dan langit-langit unilateral pasca labioplasti metode Cronin sesuai protap yang berlaku di Unit Celah Bibir dan Langit-langit Rumah Sakit Anak dan Bunda Harapan Kita Jakarta.

Metode: Pasien celah bibir dan langit-langit unilateral 2 minggu, 1 bulan, 3 bulan, 6 bulan, dan 1 tahun pasca labioplasti dengan metode Cronin sebanyak 36 orang dinilai kesimetrisan bibir secara antropometri dengan fotograf yang telah terstandarisasi dari 2 aspek, yaitu anterior dan lateral. Bibir pada sisi celah diukur dan dibandingkan dengan sisi non celah.

Hasil: Tidak terdapat perbedaan bermakna pada jarak ac ke komisura ipsilateral ( $p = 0.387$ ) dan jarak puncak cupid's bow ke komisura ipsilateral ( $p = 0.933$ ) pada sisi celah dan non celah. Terdapat perbedaan bermakna jarak sbal ke puncak cupid's bow ( $p = 0.007$ ) antara sisi celah dan non celah pada 2 minggu, 1 bulan, 3 bulan, dan 6 bulan pasca labioplasti.

Kesimpulan: Kesimetrisan bibir pada sisi celah dan non celah pasca labioplasti dengan metode Cronin berdasarkan rasio pengukuran antropometri dengan fotograf yang telah terstandarisasi dapat dicapai sempurna pada 1 tahun pasca labioplasti.

.....Background: Balance and harmony of facial features are the goal of surgical treatment for patients with cleft lip. Various methods of surgery for unilateral cleft lip had been provided. Labioplasty Cronin method in patients with unilateral cleft lip and palate produce symmetrical lips with minimal scarring.

Objective: Evaluation lip symmetry post labioplasty Cronin method in patients with unilateral cleft lip and palate based on standard operating procedure in Cleft Center Harapan Kita General Hospital.

Material and Methods: Thirty-six patients with unilateral cleft lip and palate after performing labioplasty Cronin method were photographed on anterior and lateral side by a standardized method 2 weeks, 1 month, 3 months, 6 months, and 1 year after surgery. Lips on the cleft side were measured and compared with the opposite side.

Results: There were no significant differences the length of ac to ipsilateral commissure ( $p = 0.387$ ) and the distance of the peak cupid's bow to the ipsilateral commissure ( $p = 0.933$ ) on cleft and norm side. There are significant differences the length of sbal to the Cupid's bow peak ( $p = 0.007$ ) between cleft and norm side at 2 weeks, 1 month, 3 months, and 6 months post labioplasty.

Conclusion: Symmetrical lip post labioplasty with Cronin method at cleft and non cleft side based on the

ratio of anthropometric measurements with standardized photographs can be accomplished perfectly in 1 year after labioplasty.