

강의 5

Surgical Repair of Bilateral Cleft Lip

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"Surgical repair of double cleft lip is about twice as difficult as
in single clefts and the results about half as good!"

- Brown JB , 1947 -

Anatomic components

- 1 .lip clefts, bilateral, complete/ incomplete
2. widened alar bases
3. a shortened columella
4. obtuse nasolabial angle
5. hypoplastic prolabium
6. vertically short upper lip
7. protruded premaxilla
8. absence of labio-gingival sulcus
- 9 .absence of orbicularis oris m. in prolabial segment
10. absence of philtral structures
11. absence of Cupid's bow
12. absence of white roll in prolabial segment
13. aberrant insertion of lateral orbicularis oris m. into alar-facial bases

Principles of management

- Mulliken JB , 1997

- 1 .creating symmetry of nasolabial units
2. regaining optimal function by restoring orbicularis oris m. continuity (myoplastic repair)
3. avoiding skin tension (2-stage op. for wide complete defects)
4. recreating important physical features
5. symmetrically aligning the nasal subunits
6. avoiding unnecessary dissection over the maxillary processes and maintaining all necessary mobilization in the supraperiosteal plane
7. obtaining the absolutely best surgical results possible in minimal number of procedures

Techniques of BCL repair

1. Veau II (1931) - Barsky (1950)

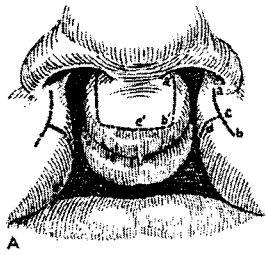


Figure 1-1

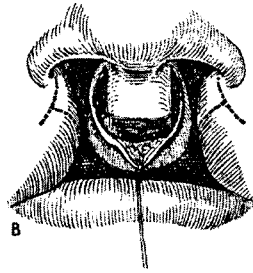


Figure 1-2

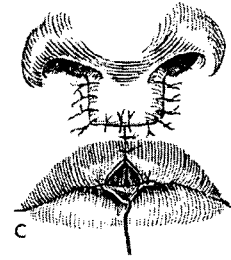


Figure 1-3

2. Veau III (1938)

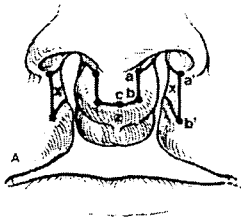


Figure 2-1

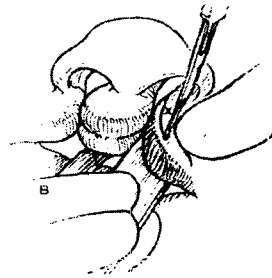


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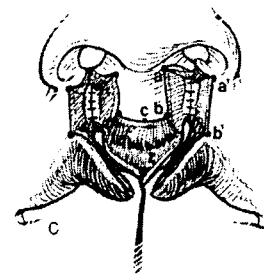


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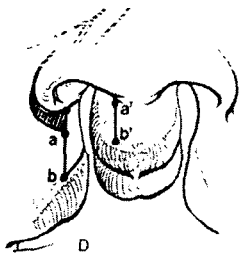


Figure 2-4

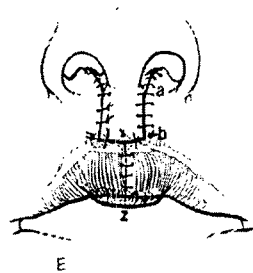


Figure 2-5

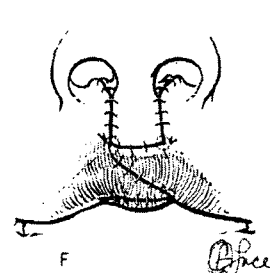


Figure 2-6

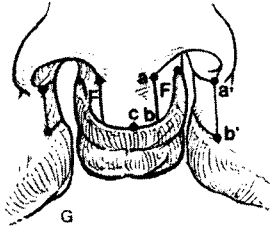


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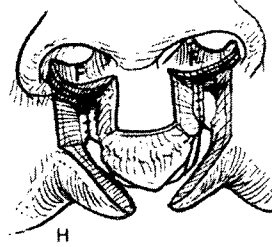


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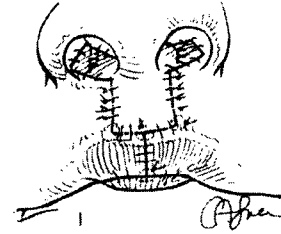


Figure 2-9

3. Manchester (1965)

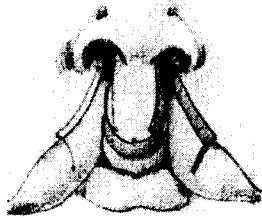


Figure 3-1

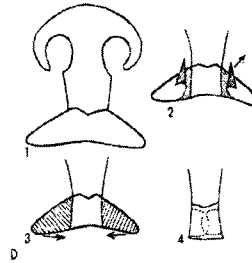


Figure 3-2

4. Black (1984, 1985)

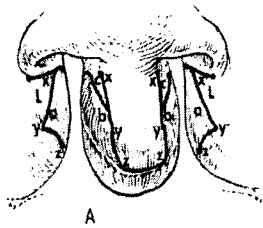


Figure 4-1

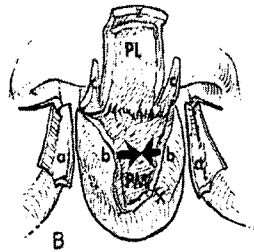


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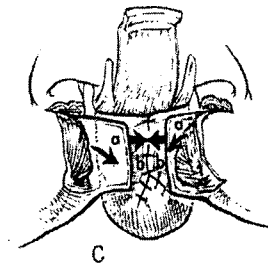


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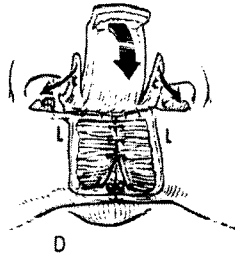


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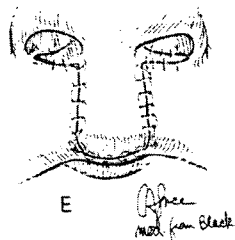


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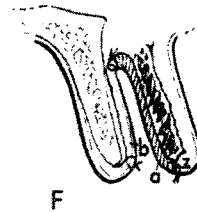


Figure 4-6

5. Bauer-Trusler-Tondra (1959)

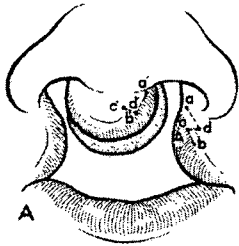


Figure 5-1

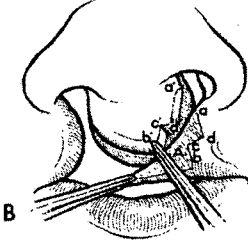


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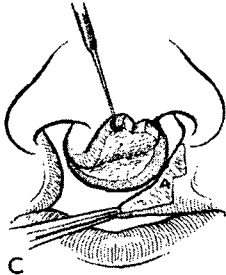


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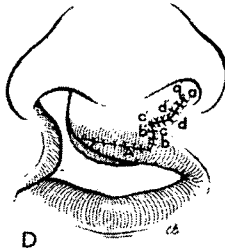


Figure 5-4

6. Tennison (1966)

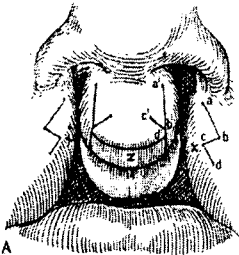


Figure 6-1

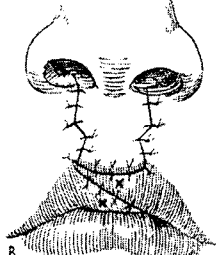


Figure 6-2

7. Millard (1960)

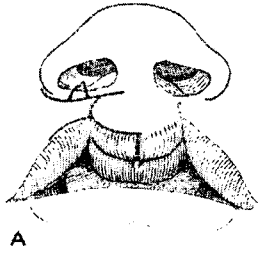


Figure 7-1

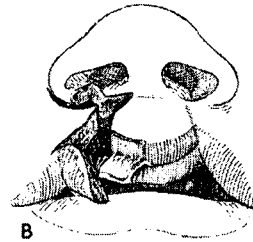


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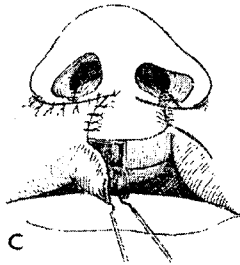


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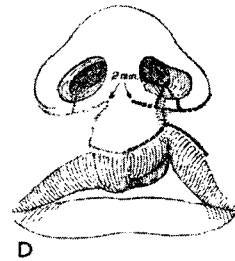


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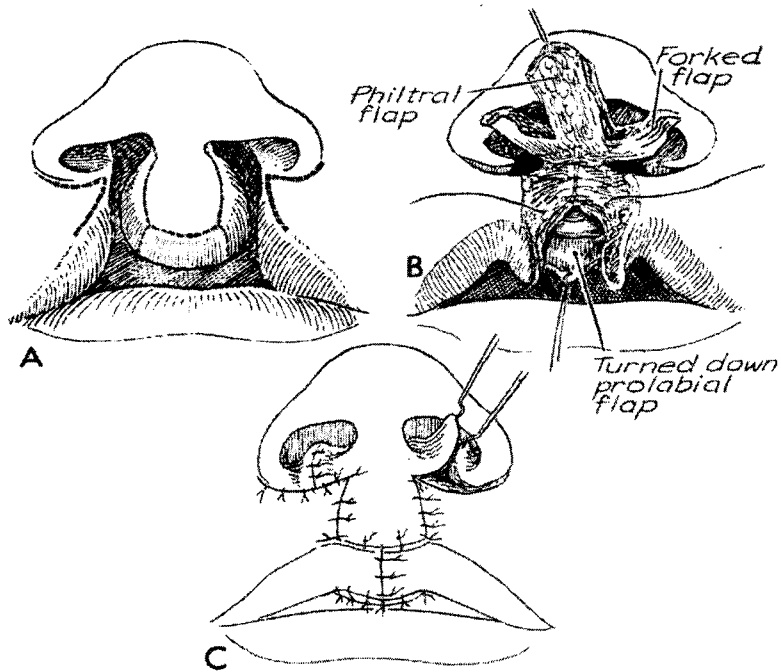


Figure 7-5

8. Wynn (1960)

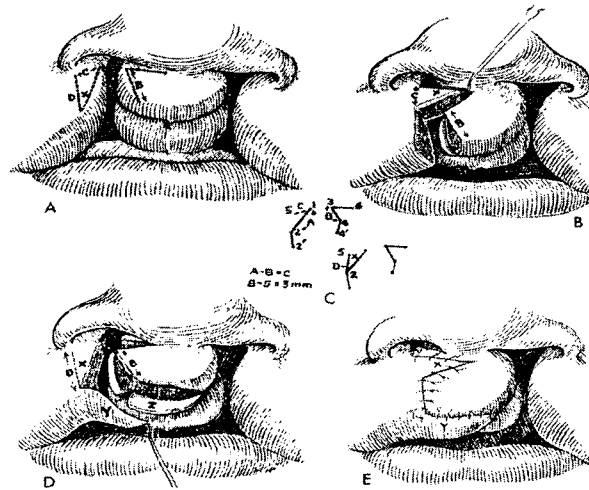


Figure 8

9. Mulliken (1985)

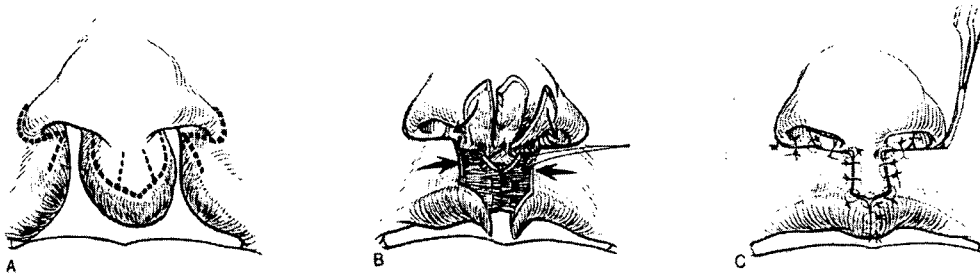


Figure 9-1

Figure 9-2

Figure 9-3

10. Noordhoff (1986)

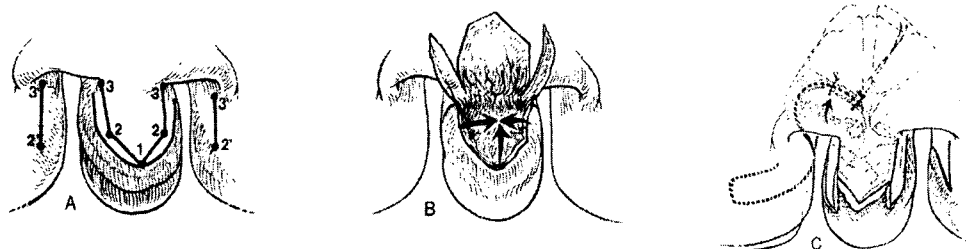


Figure 10-1

Figure 10-2

Figure 10-3

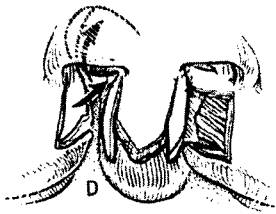


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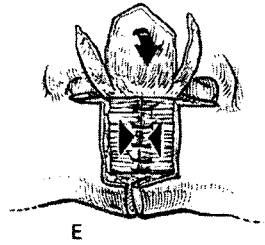


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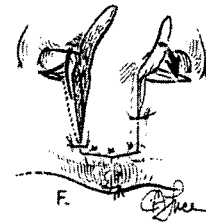


Figure 10-6

11. Min (McComb 2-stage, 1975, 1990)

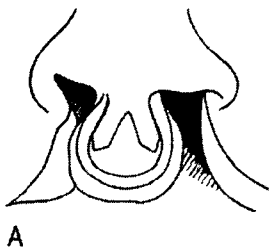


Figure 11-1

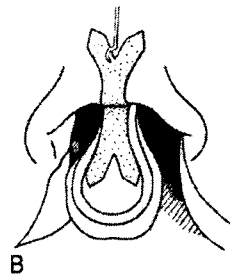


Figure 11-2

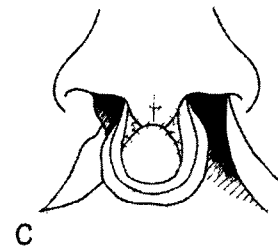


Figure 11-3

12. Skoog (1965)

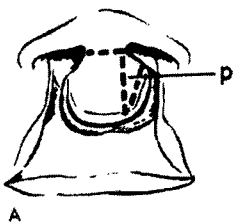


Figure 12-1

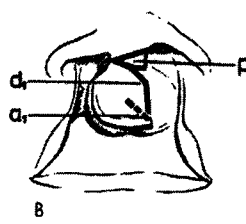


Figure 12-2

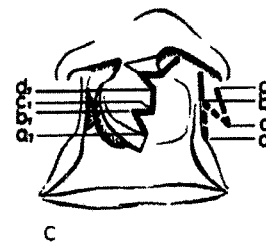


Figure 12-3

13 Clarkson (Primary Abbe flap, 1954)

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