

The **only** product designed to pre-surgically approximate cleft lips.



Case photos courtesy of Dr. Luis Monasterio, FUNDACIÓN GANTZ, Hospital del Niño con Fisura, Chile. Nasal stent hand-fashioned using paper clips and Teflon® tape.

DynaCleft®

DynaCleft gently guides soft tissues and bone into a better position for a cleft lip repair under less tension.

Unlike conventional tape, DynaCleft provides a constant approximation force with an elastic center that allows it to conform to the baby's mouth even when the baby is feeding or crying. The skin-friendly adhesive fabric distributes tension over a large area of skin resulting in less irritation and less frequent change-outs.

Developed in collaboration with cleft palate teams, DynaCleft significantly advances pre-surgical taping techniques, resulting in reduced tension both during and after surgery.

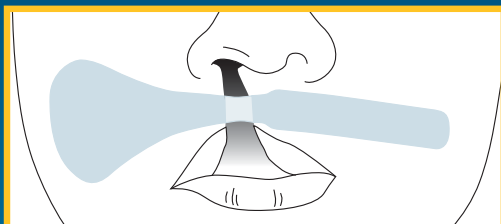
Clinical Benefits

- ▶ Can be used alone, or in conjunction with N.A.M., Latham, or nasal stents.
- ▶ Controlled force re-positions prolabium and premaxilla for best possible surgical results.
- ▶ May eliminate need for early lip adhesion surgery.
- ▶ Relieves tension on sutures when used post-operatively.
- ▶ Different shapes for unilateral and bilateral clefts.

Infant & Parent Benefits

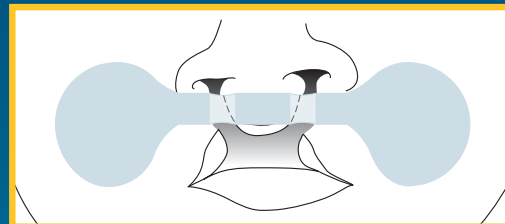
- ▶ Easier and faster than conventional taping.
- ▶ Does not interfere with feeding.
- ▶ Less frequent change-outs than conventional taping.
- ▶ Maximizes comfort - elastic center expands and contracts while mouth moves.
- ▶ Gentler and less irritating than rigid tapes.
- ▶ Shaped to prevent blistering.

Unilateral



DynaCleft Unilateral #DCX10
1.25" x 4.5" (7/pouch)

Bilateral



DynaCleft Bilateral #DCX20
1.25" x 3.5" (7/pouch)

To order DynaCleft call **1-888-705-8310** or **+1-613-596-1426**.
To ask about receiving free samples and for all other enquiries call
1-800-705-8312, +1-613-256-0350 or email sales@canica.com.

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COMPARATIVE STUDY OF NASOALVEOLAR MOLDING METHODS: DYNACLEFT PLUS NASAL DEVICE VERSUS NAM

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OBJECTIVE: To compare nasoalveolar molding effect employing DynaCleft plus a nasal device versus NAM system in patients with complete unilateral cleft lip and palate.

METHOD: This prospective study was performed in two groups. In Group A, 20 consecutive newborn patients with unilateral complete cleft lip that were treated during 2009-2010 with an elastic adhesive tape on the lip (DynaCleft) and a nasal device before the lip surgery. In Group B, 20 patients were treated with the NAM system during 2007-2009. In both groups maxillary casts and basal standard photos were done before and after treatment. Columellar angle, soft tissue distance of the cleft, intercommisural distance, nostril height and width were traced and measured on the printed photos, and a ratio was obtained and compared before and after the procedure. Alveolar cleft, intercuspid, intertuberosity and anteroposterior distances were measured in the cast and compared.

RESULTS: The DynaCleft was started at 11.3 ± 11.8 days and continued for 104 ± 19.6 days. NAM began at 17 ± 6.8 days and lasted 118 ± 27.3 days. No complications were observed in either method. In Group A, the initial average of the alveolar cleft in the cast was 10.7 ± 3.8 mm and was 6.6 ± 3.4 mm at conclusion. For Group B these distances were 11.2 ± 3.0 mm and 5.9 ± 2.6 mm. No differences were found in the intertuberosity, intercuspid and A-P distance of both groups. The mean columellar angle in Group A before treatment was $38.1^\circ \pm 12.4^\circ$, and after $61.5^\circ \pm 19.7^\circ$. Group B $33.6^\circ \pm 9.4^\circ$, and after, $59.5^\circ \pm 11.4^\circ$. Mann Whitney and Student statistical analysis results were $p > 0.05$. Width and height dimensions of the nostril showed minor differences after the procedures in both groups.

CONCLUSIONS: DynaCleft, with a nasal device, compared with the NAM method, have almost identical effect in reducing the magnitude of the alveolar cleft in the maxilla and improving the nasal deformity.

CASE TREATED WITH DYNACLEFT AND NASAL DEVICE



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Nasal stent hand-fashioned using paper clips and Teflon® tape.

Comparative Study of Nasoalveolar Molding Methods: DynaCleft Plus Nasal Device Versus NAM. Presented at American Cleft Palate-Craniofacial Association, 68th Annual Meeting, April 8th, 2011. Monasterio L, Gutiérrez C, Tastets M, García J. Fundación Gantz, Santiago, Chile.