THE TREATMENT OF CHILDREN'S VASCULAR ANOMALIES
- HEMANGIOMAS AND VASCULAR MALFORMATION ON FACE AND NECK -
WITH INTRALESIONAL BLEOMYCIN INJECTION

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Indications:
Head and neck lesions inoperable because of the large surfaces involved or deep, massive vascular anomalies with the same locations. Rapidly, enlarging vascular malformations any locations, before surgery. Long time ulceration and bleeding in vascular lesions. Vascular anomalies involving special structures (ear canales, nose Cyrano deformity, collumela, eyelids, lips, tongue, oral cavity) with potential sequela that can be difficult to correct surgically.

Number of cases: 47 cases - injected 22 cases  Ages: between 3 weeks and 12 years:

Lesions localized on:
Head and Neck: 47 cases  22 injected
Tongue: 2 cases  2 injected
Lips: 10 cases  4 injected
Eyelids: 5 cases  3 injected
Nose: 5 cases  3 injected
Ears: 1 case  1 injected
Cervical region: 6 cases  3 injected

Injections can be repeated  3 - 6 times or more
Another injections every  3 - 7 days - distance between injections.
Bleomycin should not be over  50 or 100 mg. total dose.

Treatment of hemangioma and vascular malformations - RESULTS after intralesional injection with Bleomycin

Significant reduction  58% of cases
Complete disappearance  34% of cases
No improvement  8% of cases
No bleeding
No infections
25% of cases required surgical resection or plastic corrections

INCIDENTS
48% Pain
98% Swelling
86% Rush
14% Fever
0.5% Allergic reactions
11% Ulcerations
61% Scales\huperkeratinizations
45% Skin\Mucosal atrophy
38% Hiperpigmentation

CONCLUSIONS
* Is a simple procedure
* Easy to perform (even we use general anesthesia),
* Very cheap for most country
* Insignificant adverse reactions
* The treatment of hemangioma should be delayed
* Until involution is completed
* Spontaneous involution of hemangioma are difficult to predict