

DENTAL - INJECTION TECHNIQUE

(ISS MED/3A - ALL/FIN)

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NOTE

Contact Surgeon before giving any medication marked with an asterisk. In an emergency or during Loss of Signal, begin appropriate treatment; then call Surgeon.

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1. Unstow:
 - Dental Subpack
 - Dental Syringe (Dental-2)
 - Dental Carpule of Xylocaine with Epinephrine, Injectable (Dental-5)
 - Short Needle - for upper injections (Dental-9)
 - Long Needle - for lower injections (Dental-6)

2. Load Dental Syringe.

- 2.1 Withdraw plunger.

Insert metal end of Dental Carpule into Dental Syringe body by sliding toward threaded end and snap into place.

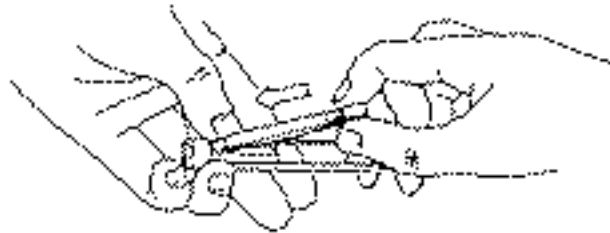


Figure 1.- Load Dental Syringe.

- 2.2 Push plunger head into Dental Carpule.
Ensure head arrow is firmly seated.

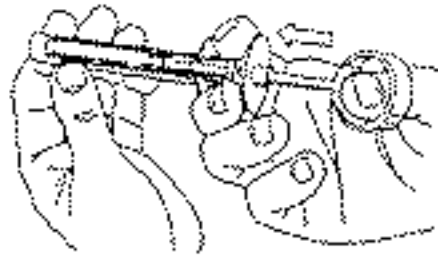


Figure 2.- Plunger Insert into Dental Carpule.

- 2.3 Open needle by twisting off clear cap.

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NOTE

For upper injections, use Short Needle.
For lower injections, use Long Needle.

- 2.4 Screw uncovered needle into Dental Syringe by turning clockwise until firmly seated.

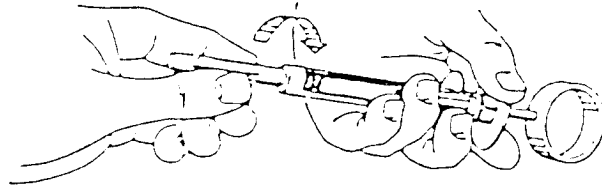


Figure 3.- Install Needle.

Upper Injection Technique

1. Remove yellow needle cap.
2. Place needle at height of moveable membrane (mucobuccal fold) above fixed gum tissue.
Refer to Figure 4.
3. Insert needle
Direct needle toward root apex of tooth to be anesthetized.

WARNING

Always withdraw plunger slightly before injecting contents of Dental Syringe to check for blood return.
If blood return seen, reposition needle and recheck.

4. Inject 1/2 Dental Carpule of Xylocaine with Epinephrine directly over root apex.
5. Wait 5 minutes.
Pain should subside.

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6. If necessary for pain control, reinject and contact Surgeon.
7. Carefully recap needle and unscrew from Dental Syringe.
8. Remove Dental Carpule and restow (Dental-5).

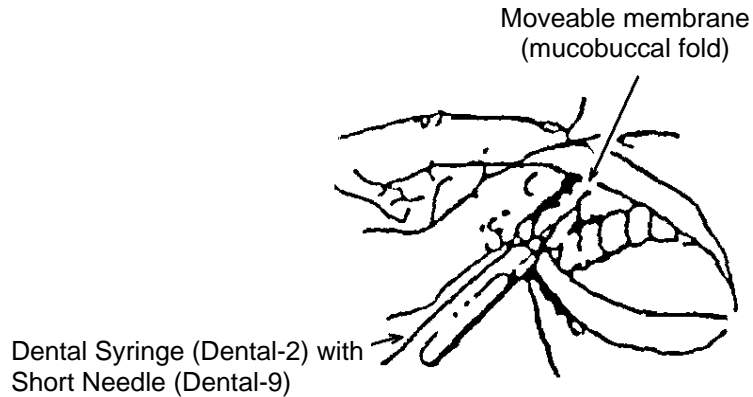


Figure 4.- Upper Injection Technique.

Lower Injection Technique

1. Remove yellow needle cap.
2. Place thumb in deepest portion of coronoid notch.
Refer to Figure 5.
3. Insert needle at point where seam between cheek and throat turns upward toward maxilla.
4. Barrel of Dental Syringe is kept over teeth 3 and 4 on opposite side of injection.
Insert needle until bone is contacted, withdraw slightly (only 5 to 10 mm of needle is left exposed), then inject entire contents of Dental Carpule.
Infiltrate or inject soft tissue area surrounding nerve.
Avoid injecting nerve directly (i.e., injecting against resistance).

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If bone is not contacted, withdraw needle slightly, reposition needle with Dental Syringe barrel over teeth 4 and 5.

If bone is contacted and more than 5 to 10 mm of needle is exposed, reposition needle with Dental Syringe barrel over teeth 2 and 3.

WARNING

Always withdraw plunger slightly before injecting contents of Dental Syringe to check for blood return. If blood return seen, reposition needle and recheck.

5. Wait 5 minutes.
Pain should subside.
6. If necessary for pain control, reinject and contact Surgeon.

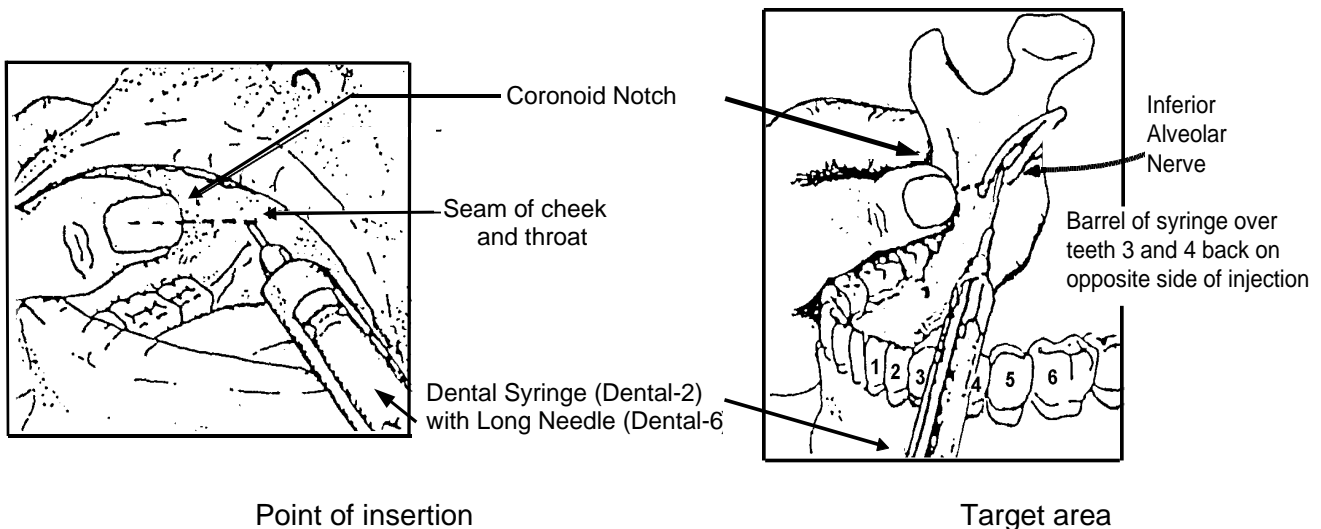


Figure 5.- Lower Injection Technique.

7. Carefully recap needle and unscrew from Dental Syringe.
8. Remove Dental Carpule and restow (Dental-5).