

A collection of random knowledge that most likely will never help you in clinical practice but may help you in real life

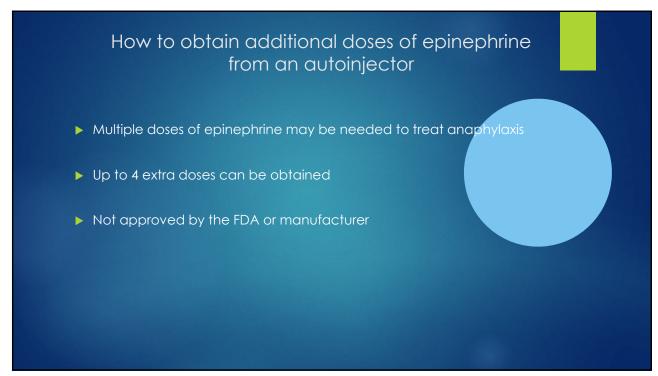


Objectives

At the end of this lecture, learners should understand how to:

- Obtain additional doses of epinephrine from an autoinjector
- Attempt nasal foreign body removal without any equipment
- Manage different environmental/wilderness injuries





How to obtain additional doses of epinephrine from an autoinjector

Step 1: Remove the end opposite the needle

Two techniques:

- ▶ Peel off the plastic cover and cut the end of the tube circumferentially about 1 inch from the end.
 - ▶ Caution! When the end comes off, the coiled spring will shoot out
- ▶ Make two 1.25 inch cuts in the center of the flat sides, starting at the end and moving toward the needle. Use a pliers to wiggle and remove the plastic end plug

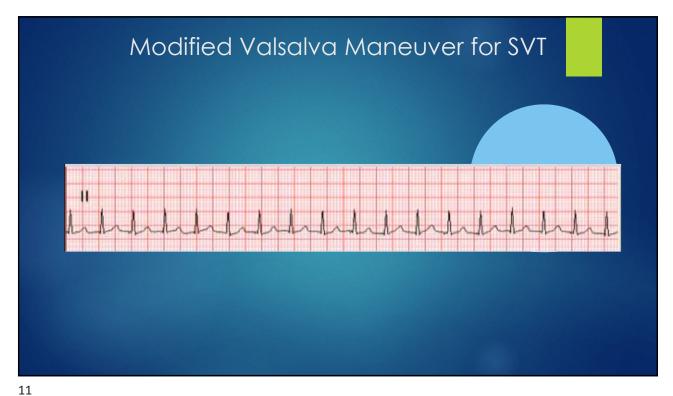
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How to obtain additional doses of epinephrine from an autoinjector

- Step 2: Remove the syringe
- Step 3: Remove the needle sleeve and point the needle upward
- Step 4: Withdraw the syringe plunger back to its original position
- Step 5: Flip the syringe and inject, pushing the plunger until it is stopped by the glass



How to obtain additional doses of epinephrine from an autoinjector



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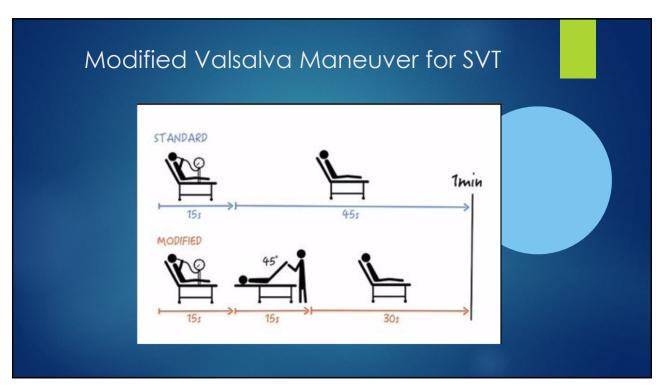
Modified Valsalva Maneuver for SVT

REVERT Trial, 2015

- Randomized multicenter trial
- Compared standard vs modified Valsalva maneuver for the reversion of stable supraventricular tachycardia back to a sinus rhythm
- ▶ 200+ participants in each arm

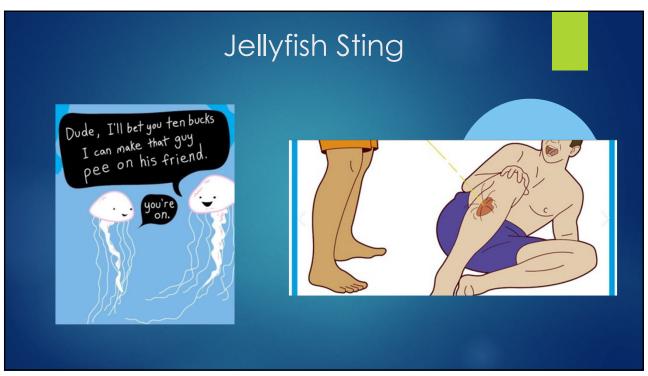
Results:

- ▶ 17% achieved sinus rhythm at 1 min with standard Valsalva maneuver
- ▶ 43% achieved sinus rhythm at 1 min with modified Valsalva maneuver









Jellyfish Sting

- ▶ Immediate, severe pain; linear, red lesions
- Treatment
 - ▶ Vinegar: will help inactivate nematocysts' discharge
 - ▶ Manual removal of tentacles
 - ▶ Treat pain with hot water immersion



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Cactus Injuries

Cactus spine removal

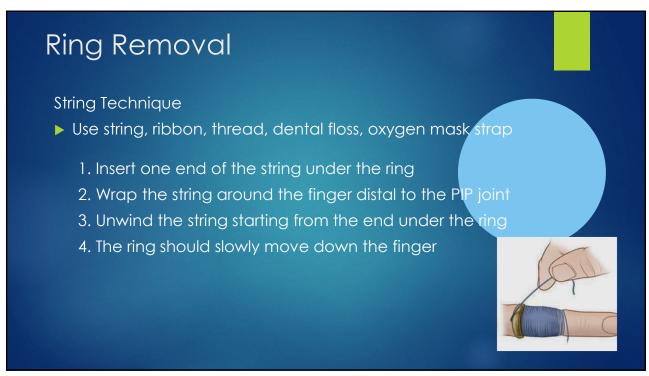
- Tweezers
- Adhesive tape
- ▶ Wax hair remover
- ▶ Elmer's glue



String-Yank Technique Tie fishing line at the midpoint of bend in the hook Hold string tightly Stabilize body part with hook Apply downward pressure to fishhook shank Give string a firm, quick jerk



Fishhook Removal Advance and Cut Technique Advance hook/barb through the skin Cut the barb Pull hook back





Hair Apposition Technique for Scalp Lacerations

Recommended for hair ≥3 cm
Grab several hairs from opposing sides of the wound
Twist or tie the hairs together until wound edges appose
Secure with benzoin or glue

Anterior Shoulder Dislocation

Cunningham Technique

- ▶ Patient sits upright, puffs out chest and pulls shoulders back
- Patient's arm should be adducted, elbow flexed to 90 degrees, with hand resting on physician's upper arm/shoulde
- Outer arm massages the patient's trapezius, deltoid and biceps
- ▶ Inner arm applies gentle downward traction to the elbow while adducting it against patient's side



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Extra-Oral Reduction Technique for Anterior Mandible Dislocation

- ▶ Patient either sitting or supine with provider standing in front of the patient
- ▶ Place thumb on the patient's cheek applying posterior pressure to the coronoid process and anterior mandibular ramus (Figure 3)
 - Fingers placed behind the angle of the mandible to stabilize grip
- Fingers on opposite side apply anterior force to angle of the mandible (Figure 4)







Figure 3

Figure 4





Nasal Foreign Body Removal

Mother's (Parent's) Kiss

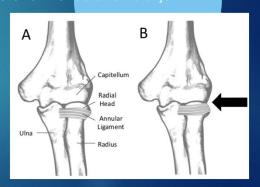
- ▶ Patient sitting or supine
- ► Caregiver occludes unaffected nostril
- Caregiver places mouth over the child's open mouth, creating a tight seal
- Caregiver blows into child's mouth until they feel resistance, then delivers a short puff of air into the child's mouth

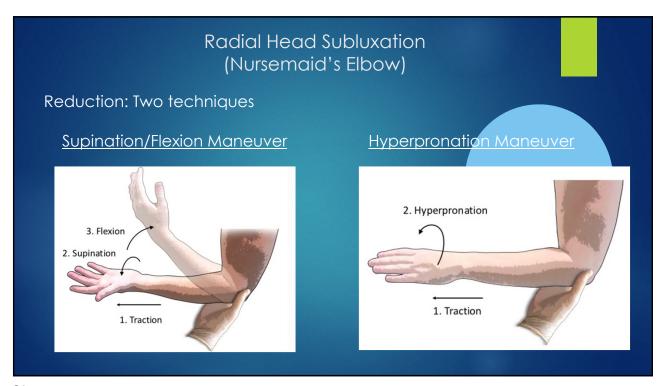


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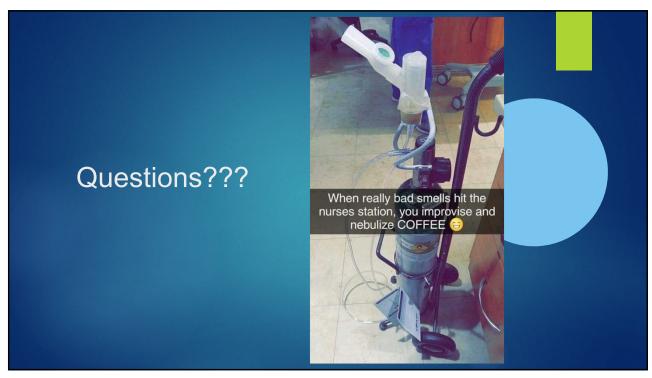
Radial Head Subluxation (Nursemaid's Elbow)

- ► Children ages 1-4
- Caused by traction of the arm at the wrist
 - ▶ Causes annular ligament to slip over radial head and into radiohumeral joint
- ▶ Child will complain of pain, refusal to use arm









References

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