# Clinical Care: "Tricks of the Trade"

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## **Panacek Disclosures: None**

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These days, Evidence Based Medicine is the focus

> EBM EBM EBM

# This is an EBM lecture: <u>Experience</u> based medicine

- · Life improving, not life saving stuff
- The "little" things learned by experience – Some of it is common sense
  - Some comes from nurses
- · Won't be found in textbooks





# Problem: Stopping epistaxis with pressure alone

- 95% come anterior septal vascular plexus
- Can control majority with persistent
  pressure on the area for 10-20 minutes
- Most patients will not hold pressure for that long

#### personnel time is expensive

 Tamponade or cautery procedures often poorly tolerated, ? unnecessary, and increase expense

# Sit and lean forward stight? Image: Construction of the internet of the int

## But most pts till don't hold nose right: Properly done vs not



#### Plenty of devices and options out there But how often are they really needed?



#### Best initial choice: The tongue depressor nasal clamp procedure (thanks to Dr. Rose)

- · Start with 2 tongue depressors
- May wrap distal ends with cloth tape for comfort
- Tie a latex glove or tourniquet around the proximal end (could use rubber band at home)
  - Roll up/down to adjust amount of tension
- Apply distal ends like a clamp to the nasal alae and have the pt watch the clock









This approach works over 90% of the time. Higher failure rate only when very coagulopathic



## Hordeolum of the eye

The problem:

- Treatment is primarily warm compresses for 15-30 minutes several times a day
- · This is difficult to perform
- Warm moist towels don't last > few minutes
- Most other techniques either don't fit the anatomy or don't hold their heat for long enough





# Hordeolum: A solution "The marriage of the egg and the eye" • Boil an egg for 5-7 minutes – May also microwave – Small potato is equally good option • Wrap in a moist washcloth • Apply to the eye – Fits the contour of the eye socket • Keeps warm for 20 minutes – May reheat as needed\* \* May also provide a meal later





# "No tears" eye drops method

- <u>Problem:</u> Ophthalmic drops poorly tolerated by children, eldery dementia, others
  - Will fight to not open their eyes

#### <u>Trick:</u> Natural flow

- Position patient with head supine
- Drip 1-2 drops into the inner canthus
- Have them open their eyes while still supine
   Drops will flow naturally into the eyes without fuss

Problem: Getting great access for oropharynx procedures without using up all your hands, etc.







Back to our problem of great access to a PTA, without using both hands

A truly novel approach









# Use the bottom half only, ideally with the light source





Sometimes the pt will even assist in you in the procedure





# The problem : Peritonsillar abscess drainage without hitting "big red"

- The internal carotid is located just lateral and posterior to the location of most peritonsillar abscesses
- Drainage is performed with sharp instruments
  - #11 blade scalpel
  - 18 gauge spinal needles
- Patients can get anxious and move during the procedure



#### PTA solution: Instrument guards

- Guards protect against excessively deep penetration
  - If you are less anxious, so is the patient
- PTA depth usually > 8mm
- Cut the end off the plastic cap/cover of the needle to only allow <1.5 cm of needle tip
  - Or tape the protective slider in partly closed position
  - Can cut the older plastic scalpel covers
  - May need to tape the newer "protective" ones









 "Home" remedies may recommend to "drown" the insect and get them to back out

 These are rarely successful





#### A solution: Local anesthetics

- 1-2% lidocaine solution paralyzes insects in < 10 minutes</li>
  - OTC auralgen probably also works
- Also anesthetizes the irritated EAC and facilitates patient cooperation with removal
- Can remove with small hooks, curettes, micro-clamps, bayonet suction catheters
- Then get it out ASAP, before the EAC swells
   up !!



# Problem: Persistent severe coughing

- Is sometimes the major presenting complaint
  - Can aggravate asthma wheezing
  - Can result in post-tussive vomiting
- · Interferes with sleep
- Often have failed multiple common OTC cough medications



#### Severe coughing: A solution • Nebulized lidocaine - 3-5cc of 1-2% solution (4% if have it) • Local injection solutions contain methylparaben as a preservative - Cardiac IV solutions do not • Usually decreases coughing within minutes - Lasts much longer than the lidocaine ½ life - Probably breaks an irritating cycle



## Scalp wound preparation

#### Problem: Hair into the wound site

- Shaving not recommended due to higher infection rates
- Trimming can be time consuming
- Very hard to place a sterile field onto the hair

# <u>Trick:</u> A ring of antibacterial ointment Maintains clean field area

- Can plaster the hair away from the wound
- Sterile paper drape will stick to it and not move
- around

# Scalp laceration: Example coated with antibacterial ointment



### **Tissue glue techniques**

- <u>Problem</u>: Wound won't stop bleeding long enough to glue it closed properly
  - Usually don't use lido/epi injection if gluing the laceration
- <u>Trick</u>: Apply LET (or equivalent) to the wound for several minutes before trying to glue it
  - When an option, can also apply a proximal tourniquet for a few minutes before and after

#### Closing large/gaping wounds with glue



## Tissue glue closures

- <u>Problem:</u> Closing large or wide wounds with tissue glue
  - Wound must be held closed while gluing.
  - Can become a multi-person procedure
  - Can require special forceps to close

#### • Trick: Steri strips first

- Product materials state not to use over steristrips, but much experience with this and works quite well
  - Can position the wound edges perfectly





#### Nail injuries: What to do?

- For subungual hematomas textbook says to remove the nail if > 25%
- For serious nail injures, text says to expect an underlying laceration
- If the nail is to removed, texts recommend taking the foil wrapping from Xeroform gauze and slide it under the cuticle to maintain the matrix for nail reformation
- What???











## No litmus paper? Urine dipstick trick

- Pull the pH pad off of the urine dipstick, apply to the conjunctiva and compare to the usual pH color readings
- Careful cutting the dipstick and placing in the eye (sharp corners)



















As long as the fluid goes in one direction, there should be no infection, contamination problems









#### Effect of nail polish on O<sub>2</sub> saturation determined by pulse oximetry Hinkelbein. Resuscitation. 2007;72:82

Commonly believed that nail polish causes erroneous PO readings

- Prospective evaluation of nine polish colors in 50 adult white ICU pts
  - Spectrum of colors, one finger as a control
  - 2 pulse oximeters, results compared to ABGs

Results: Nail polish had almost no effect !

- <1% difference for most all colors</p>
  - Only dark colors (eg. dk blue, purple ) were >1%
    Black polish only caused a 1.6% lower reading



## Work related exposure to infections



# Contagious infection concerns

- <u>Problem</u>: Minor breaks in the skin surface which be a portal of entry for infection
- Solutions: Use barrier protection
   OpSite is in common use, but not ideal with
   frequent hand washing and changing of gloves







# Thank you

The end

## **Educational Objectives**

At the conclusion of this presentation, each participant should be able to:

- Understand the importance of clinical "tricks" and unique techniques in providing pt care.
- · Describe unique techniques to use to treat:
  - Epistaxis
  - Upper respiratory bleeding
  - Peritonsillar abscesses
- Describe special techniques to examine:
  - The pharynx
  - The rectum
  - Sensory pin-prick neurologic exam

#### Lect-to do

- Get images of:
  - the EM journal, "tricks" column, especially with my name in it
  - anoscope and lido jelly photos?
  - Needs some more example images, in general