Staffing My First 1000 Phacos

Pearls and Pitfalls

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NO FINANCIAL CONFLICTS
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PEARLS PREVIEW

• A surgical teacher’s best friend is __________

• __________ Threshold for taking over briefly

• ________ Drill improves complication outcomes
Amygdala Hijack
#1 BESTSELLER

DANIEL GOLEMAN

The groundbreaking book that redefines what it means to be smart

Emotional Intelligence

Why It Can Matter More Than IQ
Help Me Understand What You Are Thinking?
Thank You
Tips for Teachers

SHERLEEN CHEN, MD
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Dispersive viscoelastic (OVD)

- Oily tear film
- Rewetting
- Endothelial protection
- Protect capsule
- PC rent or zonular dialysis
Dispersive viscoelastic (OVD)

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Tips

- Look under the microscope
- Dispersive viscoelastic
- Filtered air bubble
Which of the following is the cataract teacher’s best friend?

1. Chang chopper
2. Paracentesis
3. Tight main incision
4. Low bottle height
powerful paracentesis

Thomas A Oetting
University of Iowa
likelihood tom helps with a case

- Tom's age: 61
paracentesis for teachers

Thomas A. Oetting, MS, MD
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what about the paracentesis Bob

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eddy currents for teaching

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powerful paracentesis

- Faculty always have paracentesis
- Faculty manage case through paracentesis
- Almost any instrument that fits is useful to faculty
- Mark paracentesis if you can’t see it
powerful paracentesis

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What have I learned in 10,000 teaching cases

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Disclosures

none
Goals of the Teacher

• Meet the learner at his/her level
• Leverage Simulation
• Don’t be afraid to step in earlier and “redirect” failure
• Utilize Educational Scaffolding to ease advancement to next level
Educational Scaffolding

- New Surgeon, first case
- Transition to new methods
  - Chopping
  - Pupil expansion
  - Zonulopathy
- Preparation for Complications
  - Vitreous Prolapse
  - Nuclear loss
My favorite Scaffolding Techniques

• Trypan Blue
• Mini-Groove for Transition to Chop
• “Rescue Tool Kit”
Scaffold #1
Trypan Blue

- Allows learner to easily visualize the capsule
- Allows the teacher to readily visualize the chopper inside the bag
Trypan for the learner

- New learner
- White cataract
- Need for iris hooks
Trypan for the teacher

- Clearly demarcates the relation of chopper and capsule
Scaffold #2: Transition to Chop

- Mini Groove
- Soft Chop
Scaffold #3: Prepare Your Rescue Toolkit

• Briefly take over to redirect failure
• Eventually your learners will learn these rescue techniques
Common Difficulties

- Capsulorhexis outward spiral
- Inability to aspirate nuclear segments
- Inability to remove epinuclear shell or subincisional cortex
- Posterior Capsular Tear
What is your favorite capsulorhexis rescue technique?

1. Conversion to can-opener capsulotomy
2. Brian Little capsulorhexis rescue technique
3. Complete capsulorhexis from opposite direction
4. Call a colleague to help you
Errant Capsulorhexis

- Capsular Run-Out
  - Little maneuver
  - Capsulorhexis in different directions
  - Nuclear Tumble
| Tumble Nuclear segments | Allows learner to safely remove nuclear pieces |
Viscodissection | Epinucleus, Cortex
Scaffolding Techniques for Learner Success

Trypan Blue

“Mini-Groove” for transition to Chop

Prepare your Rescue Toolkit

- Little maneuver, capsulorhexis all directions
- Tumbling nucleus out
- Viscodissection of epinucleus, cortex
- Anterior vitrectomy and 3pc IOL in sulcus

“Low threshold” for briefly taking over
Thank you and Good Luck!