




## Lessons Learned from a Quickly Adaptable Process: What Will We Keep Moving Forward?

Chris Spofford, MD, PhD, FASA  
Associate Professor  
Director, Regional Anesthesia and Acute Pain Fellowship  
Director, Froedtert Hospital Simulation Center  
Editor-In-Chief, Anesthesia Toolbox  
Medical College of Wisconsin  
Milwaukee, WI


1



## Disclosures

- I have no financial disclosures


2



## Objectives

- Describe two methods for teaching fellows during the COVID-19 pandemic
- Discuss the benefits of frequent, short learning sessions for fellows during the COVID-19 pandemic
- Delineate those teaching methodologies that were successful during the pandemic for long term education going forward


3



## Scope of the problem for fellow level education

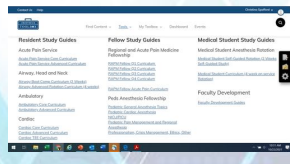
- Burnout, fatigue, fear
- Limits to number of learners for classic in-person teaching
- Concerns about how ABA exams would be administered and when
- Rapid learning of online platforms for meetings (zoom, webex, etc)
- Massive shifts in daily work (changes in OR schedules, PPE, supplies, etc)
- Teams doing alternative jobs (covering ICU, helping in ED, etc)
- Early retirement and infection leading to reduced workforce

4




## Solution #1: Cooperative learning platforms

- Anesthesia Toolbox online learning platform with fellow level curriculum
- ASRA sponsored learning sessions

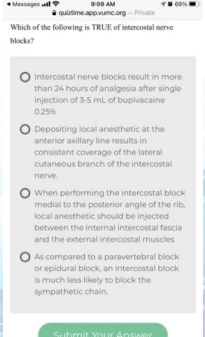


5




## Solution #2: Drip learning

- Question of the Day
  - Currently in use nationally for regional anesthesia fellowship programs
- Images of the day
  - TEE
  - USGRA
  - Monitors (reflect OSCE component)




6



### Solution #3: National Lecture Series

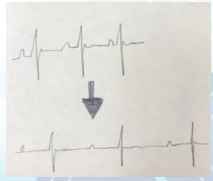
- Anesthesia Toolbox daily series (Drs. Leila Zuo and Glenn Woodworth at OHSU)
  - Daily lectures for residents
  - Oral Board practice sessions

7




### Solution #4: Simulations

- Mini simulation scenarios using modified fidelity
  - Let's assume you have this EKG...what would you do next?
- Subset of oral boards practice sessions
  - Monitor interpretation
  - Critical events training *in-situ*




8



### Solution #5: rotating stations

- Fellows engage in a variety of teaching sessions (medical students, residents)
- Instead of one large session, we created the same platform but using smaller breakout rooms to keep with mandate of 6-10 people or less.
  - Round robin
  - Teachers can follow the students so they get all material (less boring, less repetitive)
  - Teachers can teach the same session so they gain expertise (repetitive practice leading to mastery)


9



### What didn't work?

- Classic in room large teaching sessions
  - Grand rounds, journal clubs, business meetings—virtual
  - Hands-on workshops in classic sense


10



### Summary

- Anesthesiologists are known to be highly adaptable, resourceful, with strong ability to persevere.
  - Covid-19 Pandemic stretched us all
  - Covid-19 Pandemic helped us learn what was possible
  - Covid-19 Pandemic helped us discover what worked for both faculty and learners.
- What worked for you? What didn't work for you?

11



### Thank you!

12