
An Anesthesia “Boot Camp” to Teach Crisis Resource Management Skills

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Declaration of Conflict

- Nothing to disclose
 - No potential conflict of interest
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Family Practice Anesthesia Training

- FPA's essential to provision of Anesthesia in rural & northern Ontario
 - Practice in isolated environment where they are often the “local expert”
 - 1 year dedicated anesthesia training: Short!
 - Limited access to “crises” & rare but critical events
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Simulation

- Reduce Human Error & Enhance Patient Safety
 - Increase Learner's Skill Development – Deliberate Practice
 - Practice Skills in **SAFE** Environment (patient-safe & learner–safe) – Hard to learn CRM during a crisis!
 - On-Demand Access to Patients
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Funding

AHSC AFP Innovation Fund 2009-2010

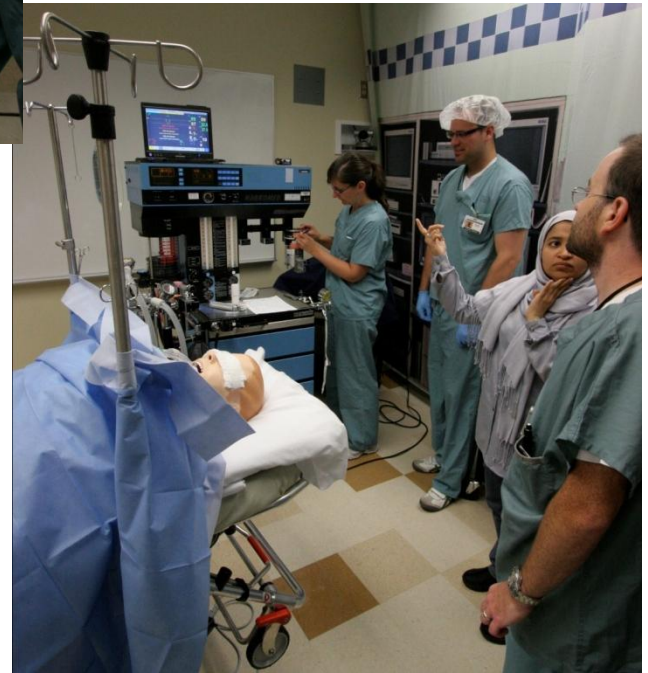
*Academic Health Sciences Centers Alternate Funding Plan

Anesthesia Boot Camp: Project Goals

- Develop and implement a comprehensive, simulation based “Boot Camp” course designed to meet the needs of the FPA trainees
 - Provide a significant faculty development opportunity
 - Enhance the collaborative environment:
 1. NOSM & HRSRH
 2. Emerg, Anes, ICU, IT
 3. Between anesthesia departments
 - Compare this program’s effectiveness with standard curriculum
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Monday	Tuesday	Wednesday	Thursday	Friday
Intro to ACLS (CVS)	Resp & Trauma	Hemodynamics	Airway	Multi System Mega Codes
Pre-Course Test Sim	Lectures: 2 Ventilation 1 Trauma	Hemodynamics Monitoring Lectures	Airway Lectures	4 Multi System Sims
3 CRM Lectures	1 CRM Lecture	1 CRM Lecture	1 CRM Lecture	
3 ACLS Sims	2 Resp Crisis Sims 2 Trauma Sims	4 CVS Crisis Sims	4 Difficult A/W Sims	“Torture the Teacher” Session
		Lines Workshop	Advanced A/W Techniques	Post-Course test Sim
NOSM	NOSM	NOSM	HRSRH	HRSRH

Anesthesia Boot Camp at NOSM



Anesthesia Boot Camp at HRSRH

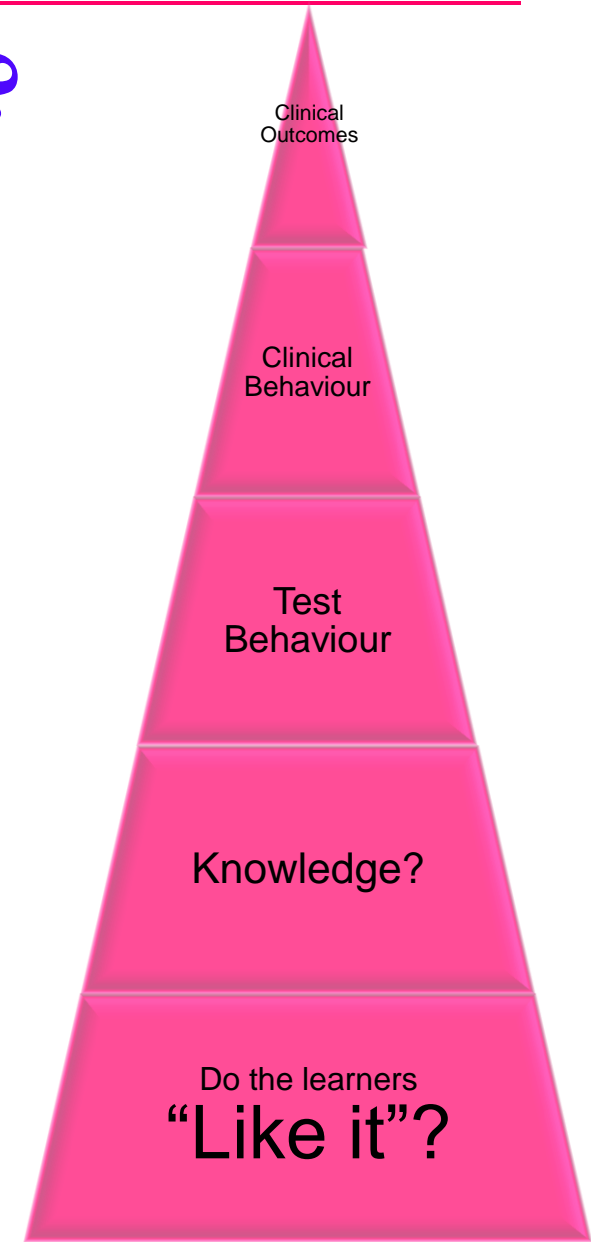


Does it Make a Difference ?

- Evaluations of each session
- Frequent debriefing

- Survey regarding anxiety level

- CRM Study:
 - Std scenario pre- & post-BC
 - ANTS score, blinded assessors
 - Year 1 data collected
 - Ongoing study.....

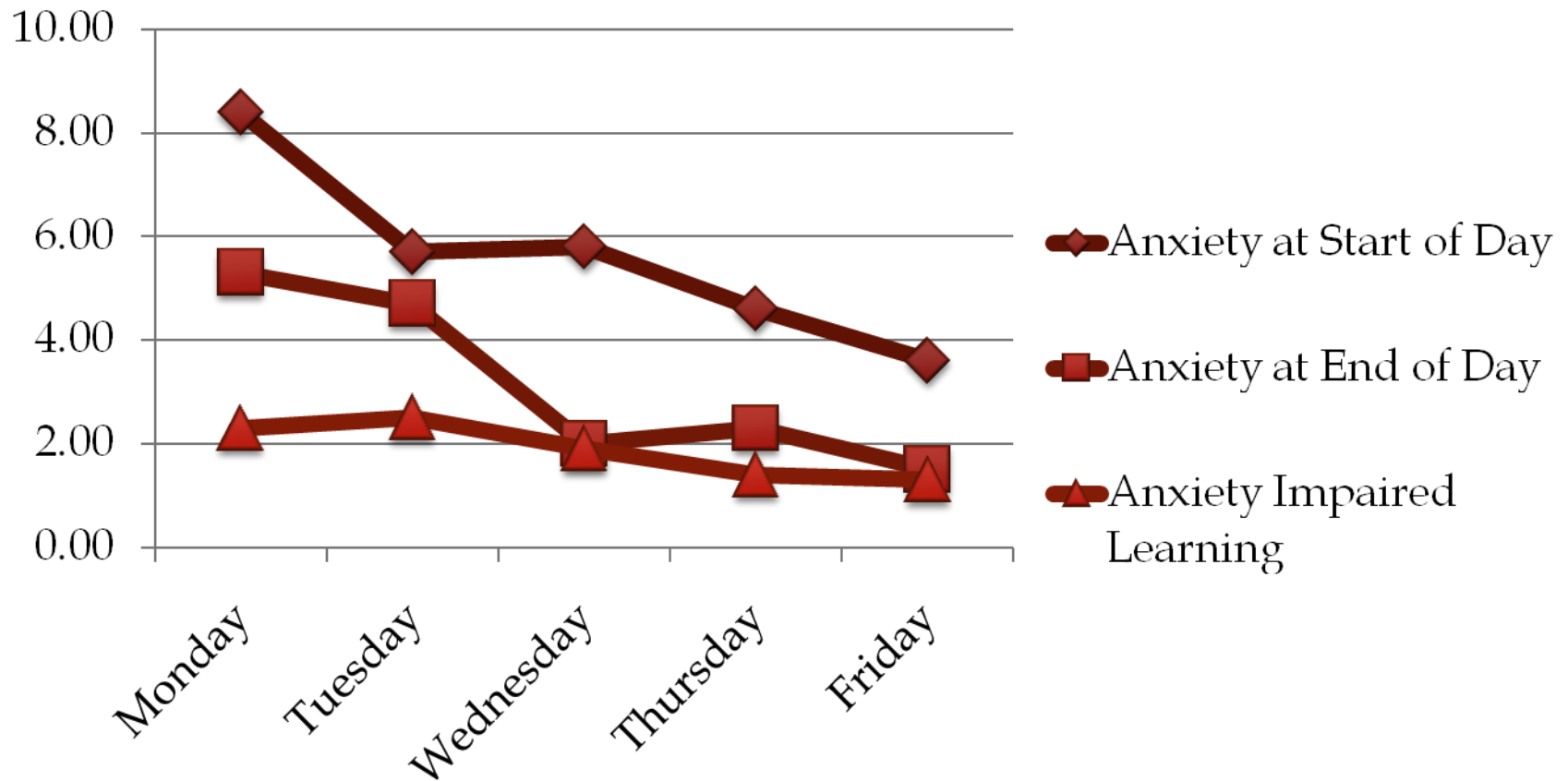


Did they like it?

	Mean	Range
This week was well organized	4.6	3-5
This week was a valuable learning experience	4.9	4-5
I think simulation is a valuable learning tool	4.9	4-5
By the end of the week I felt less anxious about being in a simulation	4.7	4-5
I am more excited about doing anesthesia after this week	4.4	2-5

Anxious about simulation?

Does it get better?



Feedback

- The best thing about the week was...
 - “Number of opportunities to be on the “Hot Seat””
 - “All of us were FPA residents (same goals)”
 - “Learning how to work as a group in a crisis”
 - “Lots of experience in a short period of time – it would have taken months or years to encounter these cases”

 - Other Resident Comments...
 - “We should do this week both at the beginning and the end of the year”
 - “This week took ten years off my life, but I am so motivated to go read!!”
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Other Benefits

- Interest in further Faculty development
 - Renewed enthusiasm for teaching!
 - Significant interest from other FPA programs to send Residents and Faculty to Boot Camp 2011
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2010 Course Summary	2011 Course Goals
7 Participants (3 Graduated, 4 New)	16 Participants (8 Graduates, 8 New)
9 Faculty Members	14 Faculty Members
2 Faculty Development Sessions	2 Faculty Development sessions and identification of future leaders
2 Sites	2 Sites, Refined Learner Flow
2 Programs Participating	6 Programs Participating

Summary

- Successful development and implementation of FPA Boot Camp year 1
 - Outstanding evaluations by learners
 - Decreased anxiety, increased motivation
 - Capture of 1 year worth of data for analysis
 - Faculty feedback reflects keen interest in maintaining and expanding the course
 - Clear plans to continue furthering this course and creating a sustainable environment
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