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PEM for EM: A Novel Pediatric Emergency Medicine Curriculum

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Authors

Schwartz, Kristy Krautwald, Melissa Oyama, Leslie C. <u>et al.</u>

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Table 2.

			0	0		
	John Smith			Mentor Meeting	Croft	
2	CCC Reviewer:	Faller		SDOT	SDOT By:	SDOT Date:
	From Prior CCC			SDOT 1 Data		
3					Sholl	not done yet
4	Strengths:			SDOT 2 Data	Barker	64/18
5		Multi-tasking				
6	2	Medical Knowledge		ROSH Reviews Avg%	84%	
,	3	Professional Values/ Accountability		ROSH Reviews Up to Date through:	July- mini test 2 due & August	
٤.	4-8			Conference Attendance	94%	
	Opportunity			Moonlighting	No	
90	1	History & Physical		Administrative/Jana Comments:	ROSH review, Patient Care FUs June 2018 & July, & August Teaching duties	
11	2	Technology		Research Project Complete	Yes	Pedi Abdominal Catastrophe Image Published
12		Patient Centered Communication				US Guided hematoma block proposal writing and surprise question in Sepsis drafting manuscript
2		Team Management		In-Service Exam:		and the second design of the s
4	40			PGY1	87	
15	Current CCC:			Percentile	99%	
16	Strengths:	Miestone	Summative Statement	Chance of Passing	99%	
	orengens:	Maessone	Overall competence with critical care including medical	Chance of Passing	9976	
7		Emergency Stabilization	management, team leadership, and procedural competency is a strength for Dr. Smith.	PGY2	97	
			Continued performance at 99 percentile nationally on			
	2	Medical Knowledge	In-service exam with matching clinical knowledge.	Percentile	99%	
19	3	Procedures: All aspects	Across the board in terms of general procedures as well as lines and airway management he is facile and confident.	Chance of Passing	99%	
20	4-8	Team Management	Owns the critical care room, is the clear leader though his voice and actions.	PGY3		
21				Percentile		
12	Opportunity			Chance of Passing		
23	1	Multi-Tasking	Although performing well, he has been encouraged by multiple attendings to push himself and be the top of his class.			
14	2	Accountability	Behind on administrative duties. Needs to be a leader as a chief.	Total # Procedures	1224	
25	3	Patient communication	Seems to be improving. There are some very positive comments. Still some comments on his interaction with patients with less acute complaints. Be sure to address patient's concern.	Class Range Procedures	740-1,643	
26	4-8			Specific Procedures Below Required		Peds resusc 6(15), Peds Trauma 8 (10)
27						
			Dr. Smith has demonstrated himself to be a strong clinician even his training and this is evident in the POY2 year. He has a strong mastery of critical care medicine which is evident not only in medical involved put also in his team management and procedural skills around Co. Moving forward, he can work on his accuratibility to the program and his administrative dutes as well as his communication with batterins, neuroino fault be establisher a threasoucid:			
	Summative Comments:		relationship independent of the patients chief complaint.	Milestone Average		
29				Low	3	
20				High	4	

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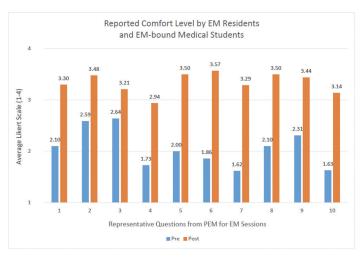
Schwartz K, Krautwald M, Oyama L, McDaniel M/ University of California, San Diego; Rady Children's Hospital - San Diego

Introduction/Background: Children comprise approximately 20% of the emergency medicine (EM) patient population and graduates of EM residencies report a desire for more training in pediatric emergency care. Expertise from Pediatric EM (PEM) trained physicians may not be available at every institution.

Learning Objective: Design a comprehensive, interactive pediatric emergency medicine curriculum that is translatable to any EM residency.

Curricular Design: A novel PEM curriculum was devised by PEM fellowship trained physicians/educators. Each session comprised a one-hour module on an essential PEM topic. They involved team-based learning, flipped classroom, simulation, procedural workshops, and educational games. Examples included, "The Crumping Newborn," "Pediatric Respiratory Distress Toolbox," "Oregon Trail: Pediatric ID in the ED," and "Magic Bubbles: The Art of the Pediatric Exam, Pain Control, and Distraction." A facilitators' guide, educational resources, and any necessary stimuli were provided to PEM faculty, who led the module and contributed feedback. Learners were EM residents at all levels and some sessions also included rotating EM-bound medical students. Anonymous pre and post-session evaluations were collected.

Impact/Effectiveness: PEM for EM implemented gamification, team-based learning, and simulation to teach essential pediatric EM care. Pre and post-session Likert 1-4 evaluations appraised learner self-assessment of preparation and/or comfort level with common pediatric ED management. The 10 modules, each of which were evaluated individually, showed an increase in confidence level (see Figure 1) and qualitative feedback was overwhelmingly positive. Suggested areas for improvement included requests for follow-up materials, which were incorporated in later sessions, and use of this curricular style in other aspects of didactics. The curriculum is currently in preparation for use at other institutions, including an additional site implemented this year.



Key: Representative Questions from PEM for EM Sessions 1) Appropriate BRUE Management 2) Abdominal Emergency DDx by Age 3) Common Peds ID Diagnosis 4) Respiratory Support Use 5) U/S for Intussusception 6) Restraint for Procedures 7) Palatable Abx Choice 8) Salter-Harris Fracture Identification/Management 9) High Risk Non-Accidental Trauma Identification 10) Perform Peds GU Exam

Figure 1. Reported Comfort Level by EM Residents an EM-bound Medical Students.

Pork Belly Procedural Trainers: Creating Realistic, Cost-effective and Reusable Simulation Tools for Resident Education

Kei J, Mebust D / Kaiser Permanente San Diego Medical Center

Introduction: The field of emergency medicine (EM) requires physicians to master a variety of different procedural skills. However, many commercially available task trainers and simulation mannequins lack fidelity and are extremely expensive. Often made of plastic or rubber, they make the overall experience unrealistic and unsatisfying. Pork belly with tissue and skin can be used to create several realistic and cost effective procedural trainers.

Educational Objectives: Pork belly simulation trainers (PBSTs) were created with the following educational objectives in mind: 1) provide learners with an authentic procedural experience, replicating human flesh and 2) allow learners to refine and perfect their procedural skills without harming patients in the process. Pork belly simulation trainers were