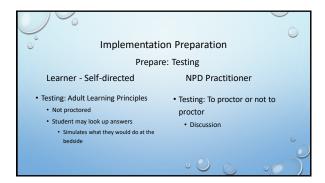


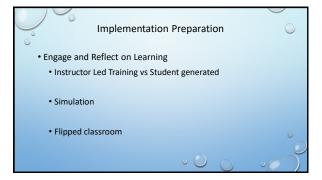


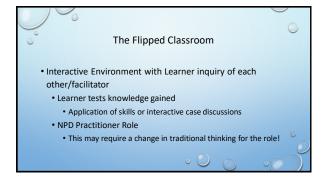
The Interprofessional Learning Environment and Blended Learning • Implementation and Preparation for E-Learning • Prepare • Engage • Act

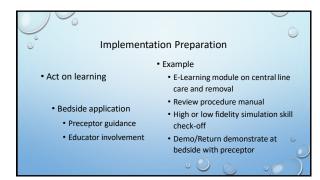
Implementation Preparation Prepare: E-Learning Learner - Self-directed NPD Practitioner Motivation is key - WIIFM • Technologic savvy is important Technologic savvy is a must – Digital Digital native vs Digital immigrant Natives! • Understanding of how on-line learners Needs guidance how the technology can perceive the education support their learning · Ensure learner knows the WIIFM Need for collaboration and social Be aware of learner emotions interaction Support the learner in use of technological controls and the second controls are second controls. Consider the cognitive load to aid learning

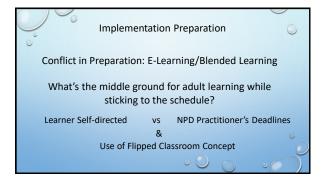




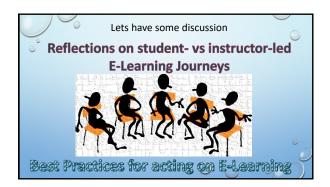












Blended Learning Scheduling • Optimal Scheduling - Questions to ask: • What is most important for the nurse to learn during allotted orientation time? • What is realistic amount of content to learn? • What can be learned or expanded upon later? • What are the unique needs of the unit the nurse is hired into?

Blended Learning Scheduling • Optimal Scheduling - Questions to ask: • What can best be mastered with E-Learning? • (didactic content – knowledge vs skills) • What needs reinforcement with case discussions? • What will be the value of using simulation?

Blended Learning Scheduling Optimal Scheduling - Questions to ask: What type of regulatory guidelines must we follow for scheduling and paying time for e-learning? Can you allow the student to work off-site at times of their choosing on their e-learning? What types of reward/restrict are available to you to enforce deadlines? Check with HR

Case Study • Graduate Nurses for PCU and ICU – 12 weeks for orientation which includes 2 weeks of hospital, nursing and EMR • Week 3 Assigned to E-Learning Course • 18 modules total; must be completed by 6 month evaluation • 12 Modules must be completed in next 10 weeks • Consider for your own, how and when these get done • Weeks 3 – 10: • 6 days total for flipped classroom and simulation exercises

Case Study • Week 8: Flipped Classroom day • Expectations: E-Learning Modules on sepsis, respiratory failure and shock are completed • Flipped Classroom discussions • Come prepared to discuss one patient you have cared for with above diagnosis • Come prepared to discuss and probe for answers regarding your peers' presentations

Case Study • Week 8: Flipped Classroom day – Benefits of Peer Interaction • Come prepared to discuss and probe for answers regarding your peers' presentations • Facilitator is prepared to guide interactions with questions and suggestions • Benefits of this type of interaction • Risks in preparing for this type of interaction

BLENDING E-LEARNING APPROACHES EXAMPLE

- E-learning module hemodynamics monitoring critically ill patients: module 1
 - A #1: Basics of hemodynamic monitoring systems
 - A #2: Arterial pressure monitoring
 - Basics of catheters; assisting with insertion
 - Complications
 - Arterial waveforms
 - Direct and indirect measurement
 - Removing an arterial monitoring system

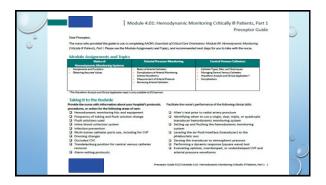
E-LEARNING — HEMODYNAMICS MODULE ***PROVING AND ADDRESS AND ADDRE

BLENDED LEARNING APPROACHES: BLEND IT!

- · Low fidelity simulation
 - Demonstration/return demonstration hemodynamic monitoring set-up, leveling and zeroing
- · High fidelity simulation
 - Practice assisting with insertion, dressing application and removal of arterial catheter
- Discussion group/case study
 - Learners discuss experiences with arterial catheters

BLENDING LEARNING APPROACHES AT THE BEDSIDE

- Educator and preceptor involvement at the bedside
 - Preceptor guided experience with patient with arterial catheter
 - Go over facility specific policies and protocols related to content being discussed in class
 - Have learner return demonstrate skills learned in simulation lab or via e-learning module
 - What tools are available to guide these processes?



ICU/PCU EXAMPLE

- E-Learning Module: caring for patients with multisystem disorders
 - Necrotizing fasciitis Low Volume, High Risk
 - Recognition of the problem
 - Nursing Interventions
 - Awareness of treatment options



BLEND IT!

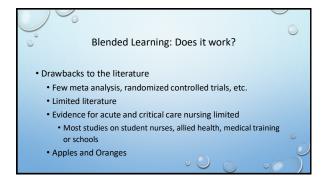
- Discussion group/case study/social media
 - Learners discuss experiences with managing patients with necrotizing fasciitis
 - Reflect on lessons learned from e-learning module
 - Describe patients at risk
 - Risks of using social media?

BLEND IT! High fidelity simulation • Simulate interventions • Risks and challenges with Simulation - Onello et. al.

 Desensitization to risk of emergency critical situations Challenges: standardize assessment of competency outcomes

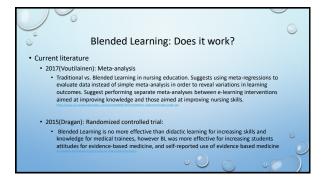
• Practice assessing

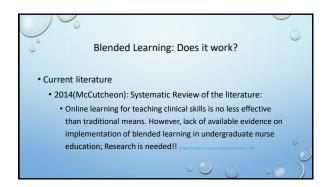
			Preceptor	Guide
Dear Preceptor.				
The presentation permitted the	s guide to you is completing AACN's Essen	and of Calcul Comp Columns	or Markin IO Cooks for Polices with	
	se see the Module Assignments and Topi			
Production Discrete 2. Pres	as see the moothe rangement and rage	Co, and recommended mext a	age for you to take microse rices.	
Module Assignment	ts and Tonics			
Sheek	SHIS, Septis, and MOOS	Betweend	Recretising Faccitis & Bhaladarreshols	
Short Sentrates	- SWIL Separa and MASSE Continues	- Abstract	- Navoting Egolis	
Hoperolemic Shock	- 585	- Drug Dverdoor	- Babdomedula	
Cardiogenic Shoots	- Sepaia			
Obstructive Shock Navorence Shock	Severe Septis Additional Suiteness Stored			
Anaphylette Shock	Interventions			
	- MODS*			
* The MODS topic is only profession	to EU learners		_	
Taking It to the Bed:				
	mation about your hospital's protocols.	Facilitate the nurse's perfi	rmance of the following clinical skills:	
rocedures, or orders for the				
☐ Ventricular assist devices		☐ SRS and sepsis scr		
☐ Extracorporeal membrane oxygenation		AWS screening		
Continuous renal replacement therapy		Providing psychose		
☐ Sepsis screening ☐ Sepsis 3-hour bundle		☐ Titrating vasopres		
		☐ Skilled communication: goal setting/end of life planning ☐ Venous blood gas sampling		6
☐ Sepsis 6-hour bundle ☐ DVT prophylaxis		☐ Venous blood gas sampling		
 DVT prophytaxis Stress ulcer prophyla: 	-			
	-			
AWS screening				
AWS screening AWS treatment goals				

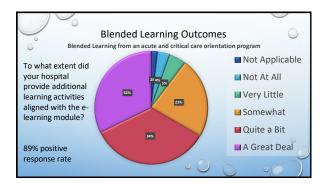


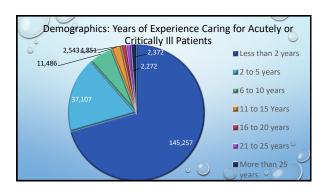
Blended Learning: Does it work? • Current literature • 2018 (Foon): Meta-analysis. Flipped classroom improves student learning in health professions education: • Using a Flipped Classroom approach: Statistically significant improvement in learner performance compared to traditional teaching methods • 2018 (Castillo): Randomized trial for BLS and external defibrillation competencies after instruction and at 6 months comparing face-to-face and blended training • Blended method provided the same or even higher levels of knowledge and skills than standard instruction immediately after course and 6 months later compared to baseline. • There was deterioration in both knowledge and skills at 6 months, but scores remained higher than baseline

Blended Learning: Does it work?	0
Current literature	
2018 (Terry): Quai-experimental design	
Nursing students retained clinical competence in preparing and	
administering IV infusions better when face-to-face and online	
learning were combined https://www.nursesbustiostodey.com/article/50260-6017117190254-X/abstract	
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ENGAGING LEARNERS • What makes learning engaging? • Plan for informal learning • Micro learning – 10 minutes or less and move on • Social connections as a method of informal learning • Engage managers in the learning process • How can they best support learning?

ENGAGING LEARNERS • 4 generations in the workforce \bullet Tailor approaches to meet needs and mimics the skills needed in the workplace Collaboration as a competency (simulation) Successful learning = successful workplace Create safety for reflection and team discussions • Collaboration, connection, interdependence • Create communities of practice – where can they learn from each other? • How do we pass on the historical knowledge of nursing? **ENGAGING LEARNERS** • Time for E-learning and orientation — is it an issue? What is the optimal way to structure e-learning delivery $\bullet\,$ The struggle between orientation and get them to the floor to work · What has worked? • What doesn't work? • Discussion – best practice sharing **AUDIENCE SHARING** • WHAT IS WORKING? • WHAT ARE YOUR CHALLENGES?

SUMMARY

- Blended learning is effective
 - Engagement, personal experience, social collaboration, personal connection - WIIFM
- Blended learning approaches
 - Preceptor tools, simulation, social interaction, case studies, flipped classroom
 - · Bedside application, return demonstration, validate learning and integration with local facility policy/procedure

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