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Developing a 3-Credit Intensive Online Wound Care Elective

Debra Serrino

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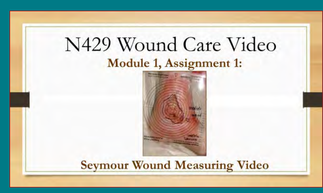
UNM College of Nursing (CoN)

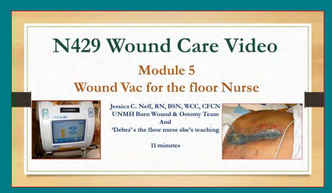
Background:

Wound Care is introduced to pre-baccalaureate nursing students in Level 3 of their five-level nursing education. This has been a 2-hour lecture, followed by 2 hours of clinical focusing on dressings and practicing wound care on a manikin. The BSN students along with the Wound Care teams at UNMH and the VA expressed a desire for the CoN to provide more education for interested students.

This course is a work in progress:

- Taught twice in 2019 in a 7-week intensive format.
- Open to RN-BSN students and Level 3 and above pre-baccalaureate nursing students.
- 2 online wound care books are required.
- Wound Care topics are preselected by the faculty.
- 5 videos were created in Sim lab with manikins and the wound care nurse to show: Wound Vac Management; Surgical drains; Ostomy care: Post Op staple removal and Wound Measurement. (below)

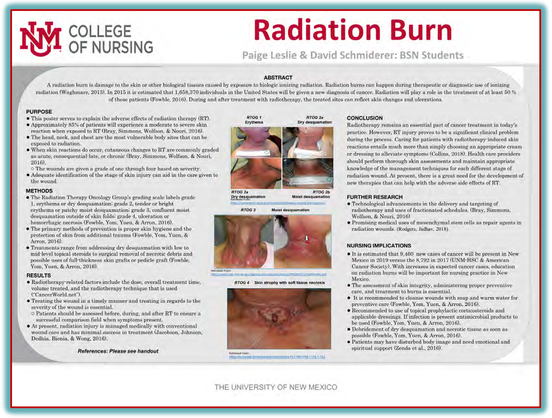




Course Objectives/ Student Learning Outcomes:

1. Apply the principles of wound therapy identifying appropriate dressing materials, drains, wound vacuum-assisted closure and treatments.
2. Critique research articles that discuss wound management reflecting evidence-based data.
3. Analyze criteria for wound prevention including specialty beds, mattresses and protective devices.
4. Evaluate specific complications associated with wound and ostomy healing related to factors affecting the wound microenvironment.

BSN Student Posters
Completed by three students per poster working online



Final Posters are judged by two Masters Faculty for 'Conference Readiness'; Faculty of Record judged content.

Our two Associate Deans have approved the payment for printing the two best posters each term. The posters get displayed on the 3rd floor of the College of Nursing Building. After being posted a month, the students can then have the posters if they wish.

Course Assignments

Graded Work	Percentage
Assignments – 5 total – 2 group; 3 solo	10%
Discussions – 4 total	20%
Quizzes – 2 total 20 questions; 60 minutes	30%
Poster - Group	15%
Handout -Group	15%
Screencast Video Presentation – Group	10%
Total	100%

Poster Topics Assignment:
3 students per group, self-select your topic

You will be completing together: Abstract – wk. 3; Annotated Bib – wk. 4; Poster – wk. 5; 2-page Handout- wk. 5 and a 3-minunte Streaming Video Presentation – wk. 6.

1. Burn Tx in Pediatrics
2. Nutrition and Ostomies
3. Wild Animal Bite Tx
4. Marjolins Ulcer
5. Fungating Wounds
6. Radiation Burn Treatment
7. Arterial Ulcers versus Venous Ulcers Lower Extremities
8. Lymphedema Leg Wrap Tx
9. Leech Use in Wound Care
10. Pig Skin Grafts
11. Kennedy Ulcer
12. Maggot Therapy
13. Hyperbaric Oxygen Therapy
14. Gangrene: gas, dry and wet gangrene Tx

BSN Student Posters:

Top Poster Winner: Spring 2019

Middle & bottom posters:. Summer 2019 Students from Taos, Santa Fe, Las Cruxes, etc. have worked together online on the abstract; annotated bib; poster; 2-page handout and Streaming video presentation.

Class Schedule

Student Feedback

Questions 3 and 4: selected comments on handout. Summer term students were notified in advance of group work on final project.

	Wound Care Topics Covered
Week 1	Course Overview Skin Assessment & Wound Healing
Week 2	Dressings and Drains in Acute Care; Advanced Therapies & Modalities
Week 3	Wound Prevention principles; Basic Wound Care; Factors influencing wound healing
Week 4	Dressings and Drains in Acute Care; Advanced Therapies and Modalities
Week 5	Wound Cleansing: Solutions, Irrigation; Debridement & Wound Vac Therapy
Week 6	Ostomy and Fistula Management; Family & Patient Education
Week 7	Pain Management in Wound Care and End of Life Wounds

Student Feedback via EvalKit

Response Rate	Q1	Q2	Q5	Q6	Q7	Q8
Spring Term 17/30	3.65	4.47	4.06	4.00	3.47	4.00
Summer 23/41	4.61	4.74	4.70	4.62	4.74	4.74

Advance Preparation for Course:

1. Met with Julia and Megan in CoN IT about logistics of online course multiple times.
2. Shadowed wound care nurses at the VA and UNMH to observe any updates in wound care.
3. Had Wound Care nurse share her knowledge in online vignettes with wound vac care & others.
4. Attended Wound Conference to see new bandages and treatments to include.
5. Multiple book review on integumentary and wound care, selected two online books available to download for free at the HSC Library: Wound Care made Incredibly Easy! & Wound Care Essentials (2016).

References: Please see handout