Semesters

(Pearls)

30/72 or

Modules

41.7 %

2-5

RESULTS - 2

(Content

review)

4/16 or

25%

Pharmacy Pearl topics

Medication choice/alternate therapies

Adverse effects / drug-drug interaction

Pharmacology / pharmacokinetics

Routes of administration (*1 also pt educ)

Sem. 1

Pharmacy

presence

Pharmacy presence

in # of modules

Therapeutic use

Medication review

Pharmacy administration

Dosing



Skaggs School of Pharmacy and Pharmaceutical Sciences

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alliative Care

Specialists

Specialty PC and

consultation

The "Pharmacy Pearl": Integrating pharmacy into an interprofessional Master of Science in Palliative Care (MSPC) Program

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BACKGROUND

Quality palliative care (PC) in global communities is scarce.

The MSPC program, launched AY 2016-17, aims to bridge this gap, through professional education of biomedical and all health professionals in broad-based palliative care skills.

 Pharmacists' roles in palliative care are growing, but pharmacists are not yet consistently part of PC interdisciplinary teams (IDT). Therefore, contributions vary.

Tertiary Palliative Care

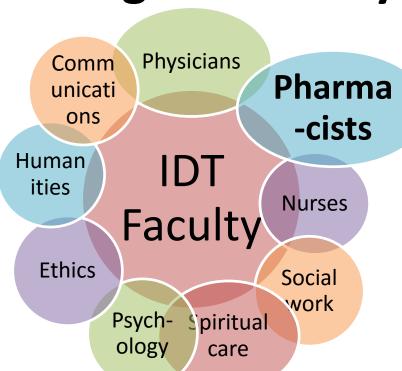
Complex PC cases

Program design

- Hybrid delivery: Online with onsite intensives
- Faculty and students: PharmD/RPhs, RN/NP/DNPs, PAs, & MD/DOs, social work, psychology, and spiritual care
- Case-based problem-solving using pt/ family/ provider scenarios
- Curriculum woven: Pairs biomedical and psycho-social-spiritualethical modules
- Communication skills: live practicum with standardized patients
- Interprofessional teamwork activities and assignments

CURRICULUM		
FIRST YEAR		
SEMESTER 1	SEMESTER 2	SEMESTER 3
Core concepts & communication	IDT care: non-pain symptoms A	Communication skills - live
Basic pain assessment & mgmt	IDT care: non-pain symptoms B	Adv illness - spcl settings A
SECOND YEAR		
SEMESTER 1	SEMESTER 2	SEMESTER 3
Systems thinking – Capstone prep	Adv illness -spcl settings C	PC in community
Adv illness - spcl settings B	Adv concepts in pain (Biomedical)	Master's capstone

Program faculty



Pharmacy's initial role (Semester 1): Lesson planning, content review and modification

Past data

 Students had low perceived PC skill on medication-related issues
 These program evaluation data are not generalizable.

OBJECTIVES

- To assess the "pharmacy pearl" in introducing pharmacy's role in an interprofessional MSPC program
- To identify potential future roles for pharmacy in the program

METHODS

"Pharmacy Pearl"

- ➤ Introduced in Semester 2 of program (5 semesters completed to date)
- > ~5 min. brief video recordings on pharmacy-related topic
- Topics chosen *primarily* by other practitioners' questions and suggestions. Pharmacist recommendation.
- Not directly assessed
- > Aligned with adult learning principles:
- Build on module's topic
- Oriented to future practice
 - ✓ Relevant
 - ✓ Applicable

Pharmacy Pearl: Renal Dosing Analges... → One of the property of the prop

Assessment

- Pharmacy pearls: Multiple factors assessed:
 - Percent inclusion in module topics
 - Topic categories
 - Subjective tally of number and topic areas where further pharmacy opportunities exist.
- Success as course content
- Course evaluations overall and pharmacy instructors
- Student learning: mean final course grades (%)

RESULTS - 1

Pharmacy #
Opportunities Modules

Patient / Family / 17
Provider education

Medication expertise (combo of multiple categories from above)

Pharmacy 9
administration

Discussion / Implications

STUDENT LEARNING and Course PERCEPTION

- **Student mix:** N=32 (Pharmacists=2, nurses=20, PAs=4, MDs=4, allied health=2)
- **Student learning:** 10 courses, course mean = 92.0%
- Course evaluations (10 courses; 5=positive) Mean=4.64 (50.3% mean response)
- Pharmacists' evaluations (5 courses; 5=positive; 3 applicable questions):
 Mean=4.83; (80.45 % mean response)

- Pharmacy pearls have been a successful pedagogical method for introducing Pharmacy's role to an interprofessional MS Palliative Care program.
- To date, pharmacy's role in the program has been **traditional**, ie medication consult expertise.
- Along with additional medication expertise, greater information on **pharmacist-provided direct patient care roles**, including patient/family/provider education and IDT participation, could offer enhanced pharmacy support and profession awareness to the program and its students.
- Limitations: Assessment of topics was subjective, from a non-PC practitioner.
- Future plans: Re-assess students' PC skills; assess perceptions of pharmacy PC roles and program involvement; begin pharmacist faculty member / clinic role.