

Interprofessional Education: A Virtual Case Study Approach

Sarah Sprinkle¹, Jana Ponce², Jana Koth³, Megan Timmerman², Amber Donnelly¹, and Maheswari Mukherjee¹
¹Cytotechnology Education, Department of Medical Sciences, College of Allied Health Professions, University of Nebraska Medical Center, Omaha, NE 68198
²Medical Nutrition Education, Department of Medical Sciences, College of Allied Health Professions, University of Nebraska Medical Center, Omaha, NE 68198
³Radiation Therapy Education, Department of Clinical, Diagnostic, & Therapeutic Sciences, College of Allied Health, Professions University of Nebraska Medical Center, Omaha, NE 68198

Background

- To exemplify the importance of teamwork, the College of Allied Health Professions (CAHP) at the University of Nebraska Medical Center (UNMC) is committed to supporting Interprofessional Education (IPE) amongst all professional programs.
- A study in 2017 indicated positive student outcomes from an interprofessional activity amongst the UNMC cytotechnology (CT) and radiation therapy (RT) programs.¹
- With the addition of the UNMC Medical Nutrition (MN) program, the objective
 was to further investigate if an online interprofessional collaborative activities
 amongst professional programs improved knowledge of ancillary healthcare
 professions.

Methods

- This IRB-approved study included UNMC students from 3 CAHP programs:
 17 CT students, 8 MN students, and 6 RT students.
- Students partook in a pre-and post-survey using a Likert scale to assess knowledge of the professions, the methodologies used in their education, and their perception of the online nature of the activity.
- During the two-hour long online activity, each program designated students to do a brief presentation about their profession followed by a case study that offered visualization into a patient's journey through diagnosis, treatment, and follow-up care.
- Each program's unique methodologies (i.e. virtual microscopy, virtual environment radiotherapy training system (VERT), nutrition focused physical exam) were showcased during each presentation.

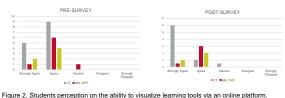
The online interprofessional activity will help me better understand how the role of the cytotechnologist, radiation therapist, and medical nutritionist fit into the health care team in providing patient care



Post-survey

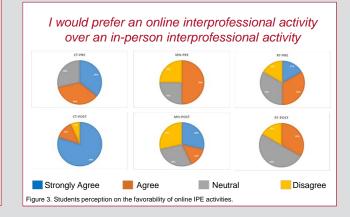
Pre-survey

Figure 1. Students overall perception on the activity



Survey Results

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Discussion

- The data in Tables 1-3 show that the IPE activity increased knowledge in the professions represented as well as the educational methodologies used in their training programs.
- Figures 1-3 indicates the online nature of the IPE activity was sufficient in meeting the activity objectives.
- At a programmatic level, there was a mixed perception of continuing the online format versus in-person for future IPE events. This may be due to:
 - · Zoom fatigue brought on by the pandemic.
 - Cytotechnology students are already well versed in online educational activities due to the nature of the program.

Conclusion and Future Directions

- The success of the activity illuminates the possibility of future online IPE activities amongst UNMC CT, MN, and RT student cohorts.
- Similar to a previous study², our online IPE activity also eliminated the burden of logistical planning for space and extended time.
- With current virtual technologies available, IPE activities amongst CT, MN, and RT students can be conducted anytime-anywhere to further promote the interprofessional teamwork amongst healthcare profession students located all across the country.
- In future, we plan to include other professional programs in our IPE activity to further enhance the IPE experience.

References

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