

Geriatric Workforce Enhancement Program: Interprofessional Geriatric Education and Clinical Experience

INTRODUCTION

Quantitative pre-test / post-test pilot study was:

- Completed from November 2015 to January 2016
- Test a team science based student learning plan:
 - AGPCNP
 - FNP
 - M3, M4
 - PA

FACULTY TEAM

Virtual Clinic Environment (VCE) case created in a team building exercise

- Geriatric experts
 - Dr. Sonya Hardin, CON
 - Dr. Candace Harrington, CON
 - Mrs. Kim Stokes, MHS, PA Studies
 - Dr. Ken Steinweg, BSOM
 - Dr. Qing Cao, BSOM
 - Dr. Balaji Pabbu, BSOM
 - Dr. Ann Marie Nye, Campbell University
 - Dr. Chris Duffrin, PhD, BSOM
- One day event
 - Clinic for team based patient care
 - Virtual clinic patient scenario
 - Rural farmer
 - Acute problem³
 - Multiple health risks³
 - Lack of evidenced based care³
 - Polypharmacy²
 - Potentially inappropriate medications²,
 - Occupational carcinogen exposure⁴
 - Health promotion needs³.

METHODS

- Blackboard platform for didactic content
- CON Virtual Clinic Environment
- Pre-test Post-test Design

NULL HYPOTHESIS

The median of differences between the Total Pre-clinic and Post Virtual Clinic ATIHCT scores and ATIE scores equals zero.

MEASUREMENT AND OUTCOME MEASURES

- Summation Scores PRE CLINIC AND POST VCE EVENT
 - Attitudes Toward Interprofessional Health Care Teams (ATIHCT)¹
 - 5-point Likert scale
 - Adapted with permission
 - α .928
 - Attitudes Toward Interprofessional Education (ATIE)¹
 - 5-point Likert scale
 - Adapted with permission
 - α .875
- Virtual Clinic Environment Case grade
- Summative Feedback

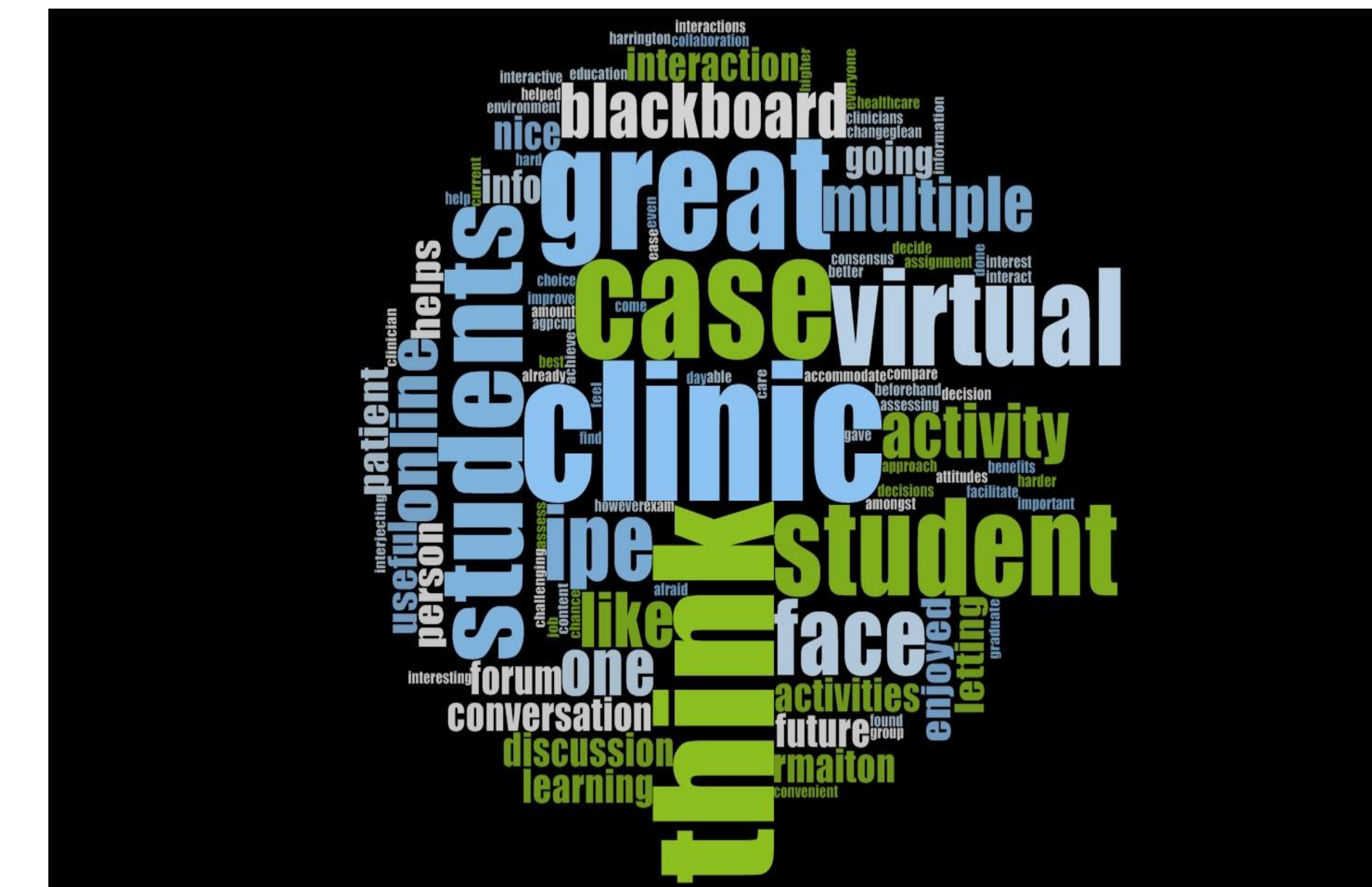
RESULTS

Frequencies ATIHCT and ATIE Summation Scores

	Pre-Clinic ATIHCT	Post VCE ATIHCT	Pre-Clinic ATIE	Post VCE ATIE
Median	59.50	61.83	62.50	66.00
Range	42-70 (28)	50-70 (20)	50-71 (21)	60-71 (15)

- **Mean of differences for the *Attitudes Toward Interprofessional Education* were significantly greater after the interprofessional clinic experience ($n= 6$, $Mdn = 66.00$, $z = -2.032$, $p < .05$, $r = -.82$).**
- **Mean of differences for the *Attitudes Toward Interprofessional Healthcare Teams* was statistically insignificant.**
- **Case Score 98.1/100 ; 96.3 /100.**
- **The null hypothesis was rejected for ATIE.**
- **The null hypothesis was accepted for ATIHCT.**

SUMMATIVE FEEDBACK



DISCUSSION

- Based on Suggestions:
 - Small groups of students (3-6)
 - Maintain depth of content in Bb platform
 - Psychotropic medication management added

REFERENCES

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2. American Geriatrics Society 2015 updated Beers criteria for potentially inappropriate medication use in older adults. (2015). *Journal of the American Geriatrics Society*, 63(11), 2227-2246. doi:10.1111/jgs.13702
3. American Geriatrics Society. (2015). *Geriatrics at your fingertips* (17th ed.).
4. North Carolina Agromedicine Institute of East Carolina University(2015). Retrieved from <http://www.ecu.edu/cs-dhs/agromedicine/>

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