An Exploration of Factors Associated with Occupational Therapy Students' Academic, Clinical, and Professional Competence LIUBrooklyn

Lisa Gordon-Handler Ph.D., OTR/L and Amiya Waldman-Levi, Ph.D., OTR/L

| Introduction | Results | | | | | | | Conclusions |
|---|---|-----------------------------|-----------------------------------|------------------------|-----------|--|---|--|
| In health profession education programs certain personal and | | _ | 1 st Rotation | 22nd Rota | tion | 3 rd Rotation | OTKE | Students with stronger executive |
| learning strategies were associated with and had impact on | Executive | Functioning | 0.52** | 0.40** | | N5 | | functioning performed better on their first |
| student's clinical and academic performance. Student academic | Science G | PA | NS | NS | | 0.48** | 0.43** | two clinical rotations. |
| performance has been associated with the use of learning | | | | | | | | • Students with higher GPA also performed |
| Strategies (Adam et al, 2012, Chang, Kang, Ham, & Lee, 2010; Koenia, 2004: Neistadt 1998) Executive functioning skills | Learning S | Strategies | Neuro-s | cience | Anatom | ny Kin | esiology | better on their last clinical rotation and |
| such as: ability to plan execute monitor and problem-solve | Anxiety | | 0.33* | | NS | , NS | ; | demonstrated greater professional |
| are linked to successful performance. However, these factors | Informati | on Processin | q 0.35* | | NS | NS | 5 | competence. |
| have not been fully explored with respect to graduate health | Selecting | main ideas | 0 39** | | 0.38* | 0.3 | 81* | The use of learning strategies was |
| care student's academic and professional competence. | Test tak | mum neeus | 0.00* | | 0.00 | 0.0 | | associated with science course success |
| Therefore, it is important to understand the associations | i est takir | ng | 0.33* | | N5 | NS | • | (Bonkasen et al., 2017; Hassanbeigi et al.; |
| between these factors to further support student academic | Time man | agement | NS | | NS | NS | 5 | Lawson, 2014; Salamonson et al., 2013). |
| success and professional competence. | Note. Not Significant; p<0.05; ** p <0.01 | | | | | | • Executive functioning and test-taking | |
| Study aim: To identify factors related to student academic | _ | | | | _ | Coefficients | | strategies predicted student clinical |
| ana clinical performance in Occupational Therapy Program. | | | | | | | | better professional competence |
| Methods | Outcom | e Predie | ctor Variable | B | SEB (| ß t n | semipartial r | The use of executive functioning and |
| | Variadi | e | | U U | | P ' P | r _{sp} | learning strategies may facilitate student's |
| Study Design: A non-experimental cohort study using a | | | | | | | | ability to build professional knowledge- |
| convenient sampling method. | Average Rotation | Executi | ve Functioning | .420 | .107 .4 | 81 3.917 .00 | 0.477 | base. |
| participants: 48 students enrolled in a three-year B5/M5 | Evaluation | l | | | | | | |
| Instruments: The Executive Function Index (EFI; Spinella, | | LASSI | Test Taking | .084 | .040 .2 | 60 2.116 .04 | 0.258 | Implications for |
| 2005) | R ² = .577, F | 51rateg = (2,45) = 11.20 |)1, p < .001 | | | | | Higher Education |
| The Learning and Study Strategies Inventory, 2nd Edition | | | | | | Coefficients | | Academic programs should consider |
| (LASSI; Weinstein & Palmar, 2002) | | Outcome | Predictor | | | | semipartial | emphasizing the use of learning strategies |
| Science courses grade point average | | Variable | Variable | В | SEB | β † | p r | and executive functioning early in their |
| third year. | | | | | | | ' sp | curriculum to enhance instruction and assist |
| NBCOT Occupational Therapy Knowledge Exam (OTKE; NBCOT, | | OTKE | Science GP | A 4.935 | 1.544 | .426 3.196 | .003 .426 | students who do not utilize these skills. |
| 2019). | | | | | | | | • Further research is needed to determine |
| First Vegn: FFT | | | | | R | R ² = .426, <i>F</i> (1,46) |) = 10.214, <i>p</i> = .003 | the most effective curriculum to enhance |
| LASSI, and clinical rotations/settings O | hird Year: FKE | | | | | | | student's ability to develop these skills. |
| Science GPA | | Acknowledg Myra Bass | gments: LIU Oc oul, and Rachel | cupational Horowitz | Therapy 1 | faculty and stud | ents: Erin Englert, | Ginette Idy, Ankita Sethi, Temima Axelrod, |