Oral Defense Announcement
University of Missouri – St. Louis Graduate School

An oral examination in defense of the dissertation for the degree
Doctor of Nursing Practice with an emphasis in Pediatric Nurse Practitioner

Amanda Grace Welch
B.S. Nursing, Southeast Missouri State University, 2016

Pediatric Streptococcal Pharyngitis Testing and Treatment Practices

Date: July 12, 2023
Time: 4:15-5:00 pm
Place: Rm 1 - Seton

Abstract

Objective: The purpose of this study was to implement SmartPhrases and assess its impact on adherence to the Infectious Disease Society of America (IDSA) guideline for Group A Streptococcus (GAS) pharyngitis testing and treatment in pediatric patients ages 1-16 years old. The aim was to use SmartPhrases to improve adherence with the IDSA guideline by 30% for GAS pharyngitis swabbing and 10% for appropriate antibiotic prescribing in three months

Methods: A pilot quality improvement project was performed using a retrospective data analysis approach, in a metropolitan Urgent Care. Sampling was done by convenience method.

Results: A 116 children met criteria for both pre and post timeframes. Timeframe data was compared using Chi Square Goodness of Fit test. The test being performed were in the post timeframe were indicated compared to pre timeframe. Antibiotic stewardship decreased by 7% from pre and post timeframe. Limited use of SmartPhrases for RNs and NPs.

Conclusion: Impact of SmartPhrases on IDSA guideline usage was inconclusive. Further recommendations are studies on interventions to help improve guideline adherence, such as SmartPhrases, education, and protocols.

Defense of Dissertation Committee
Chairperson, Vanessa Loyd, DNP, PhD, RN
Committee Faculty Member, Elise Schaller, DNP, MHA, APRN, CPNP-PC
Committee Member, Christine Lane, MHA, MSN, FNP-C