Problem: Several enteral feeding set administration hang time standards are practiced throughout our institution. A referral was submitted through the shared governance structure from a nurse who found the inconsistencies confusing. Therefore, the clinical question asked was, “Among pediatric hospitalized patients does changing feeding sets every 24 hours vs. every 4 hours create no adverse impact on patient safety”.

Evidence: Databases: CINAHL, Medline, PubMed, and Google Scholar. Keywords: feeding sets, hang time, bacterial contamination. Twenty articles were reviewed and nine were included in the synthesis. Manufacturer recommendations and expert clinical opinion were also considered.

Strategy: ACE Star, Rogers Diffusion of Innovation

Practice Change: New policy/procedure will be written based on the evidence to be inclusive house-wide. Shared governance structure will assist in education and implementation of new policy and procedure.

Evaluation: Compliance with the new policy will be measured by adding a row for the feeding set to the electronic charting system. It is anticipated costs will be reduced for supplies and nursing time while increasing patient, nurse and family satisfaction. Measures will also be put into place to evaluate sustainability of the new practice.

Results: Implementation is scheduled to begin with new policy and practice guidelines put into place with the assistance of our shared governance structure.

Recommendations: It is recommended that feeding sets should be changed at least every twenty four hours.

Lessons Learned: One barrier was comparing the evidence to the expert opinion. Often times we thought the expert opinion was evidence-based and that was not the case, even with reputable groups.

References


