

- therapies at JHACH
- to use aromatherapy as part of the plan of care
- setting
- **intervention** for anxiousness and queasiness
- patients and families with our current practice

- queasiness and anxiousness in pediatric patients
- to address queasiness and anxiousness

Plan-Do-Study-Act (PDSA)



Aromatherapy for Pediatric Patient Use

Joshua Evans, BSN, RN, CPN, HNB-BC Pam Gehrich, MSN, RN, NPD-BC, CPN, Lindsay Jones, MSN, RN, CHPPN, CPN, Aimee Dvoracsek, BSN, RN, CPN, Renee Bishop RN, CPHON, Donna Madden, Philip M. Carpiniello, PharmD, BCPS, CPPS, Kristina Burger DNP, APRN, CPNP-PC, CCRN-K, NPD-BC, Stephanie Sharf, M.S., CCLS Johns Hopkins All Children's Hospital, St. Petersburg, FL

% Improvement in anxiousness



% Improvement % not improved

Patients requiring anxiolytic after aromatherapy



Implications for Practice

- The use of aromatherapy as an adjunct for queasiness and anxiousness may be beneficial
- Increased patient and family satisfaction
- A demonstrated reduction in antiemetic administration
- Aromatherapy is safe for therapy dogs

Arslan, I., Aydinoglu, S., & Karan, N. B. (2020). Can lavender oil inhalation help to overcome dental anxiety and pain in children? A randomized clinical trial. European Journal of Pediatrics, 179(6), 985-992. <u>https://doi.org/10.1007/s00431-020-03595-7</u>

Czarnecki, M. L., Michlig, J. R., Norton, A. M., Stelter, A. J., & Hainsworth, K. R. (2022). Use of aromatherapy for pediatric surgical patients. Pain Management Nursing, 23(6), 703-710. https://doi.org/10.1016/j.pmn.2022.08.003

Karan, N. B. (2019). Influence of lavender oil inhalation on vital signs and anxiety: A randomized clinical trial. *Physiology & Behavior, 211*, 112676. <u>https://doi.org/10.1016/j.physbeh.2019.112676</u>

Taşan, E., Ovayolu, O., & Ovayolu, N. (2019). The effect of diluted lavender oil inhalation on pain development during vascular access among patients undergoing haemodialysis. *Complementary Therapies* in Clinical Practice, 35, 177-182. https://doi.org/10.1016/j.ctcp.2019.02.010

Weaver, M. S., Robinson, J., & Wichman, C. (2020). Aromatherapy improves nausea, pain, and mood for patients receiving pediatric palliative care symptom-based consults: A pilot design trial. *Palliative* & Supportive Care, 18(2), 158-163. https://doi.org/10.1017/S1478951519000555

Policy for use of passive aromatherapy diffuser created Education and training developed for nurses Plan to go hospital-wide with product

Lessons Learned

References