

## Virtual Reality for Distraction

**Title:** A Pilot and Feasibility Study of Virtual Reality as a Distraction for Children with Cancer

**Review:** This pilot study is to test the feasibility of technology to reduce anxiety and pain associated with medical procedures related to children undergoing cancer treatments. The findings concluded that virtual reality may be a useful tool however, there needs to be further studies with larger sample sizes.

**Year of Publication:** 2004

**DOI:** <https://doi.org/10.1097/01.chi.0000135621.23145.05>

**Age Group:** 7-19

**Diagnosis:** Pediatric Oncology

**Keywords:** Virtual Reality, pediatric oncology, distraction

**APA Citation:**

J. Gershon, E. Zimand, M. Pickering, B.O. Rothbaum, L. Hodges (2004). A pilot and feasibility study of virtual reality as a distraction for children with cancer. *Journal of the American Academy of Child & Adolescent Psychiatry*, 43(10). 1243–1249.

**Title:** Effectiveness of Virtual Reality for Pediatric Pain Distraction during IV Placement

**Review:** This study was to test the effectiveness of Virtual reality as a distraction for pediatric IV placement. 20 children were assigned randomly in two conditions VR distraction using Street Luge via a head-mounted display or a topical anesthetics with no distractions. There was significant difference in pain responses between the patients supporting the VR distraction. However, future research with larger sample sizes and other routine medical procedures are suggested.

**Year of Publication:** 2006

**DOI:** <https://doi.org/10.1089/cpb.2006.9.207>

**Age Group:** 8-12

**Diagnosis:** IV placement MRI

**Keywords:** MRI, CT, virtual reality, distraction, pediatric

**APA Citation:**

Kim, S., Gold, J., Rizzo, A., Kant, A., & Joseph, M. (2005). Effectiveness of virtual reality for pediatric pain distraction during IV placement. *The Journal of Pain*, 6(3), 207-212.