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Development of Consensus Based Pediatric Sedation Satisfaction Tool

Introduction: Procedural sedation and analgesia (PSA) is widely used throughout pediatric hospitals in multiple settings, including the emergency department, intensive care units, sedation units, and outpatient clinics. However to date no standard patient and caregiver sedation satisfaction tool exists for these sites. In order to improve both patient and caregiver satisfaction during PSA, we aim to develop and refine a pediatric sedation satisfaction survey via modified Delphi technique.

Methods: A core panel consisting of the principal investigator (PI) and 6 other pediatric sedation experts developed an initial survey modeled after the pediatric anesthesia parent satisfaction survey (PAPS).¹ This survey was then reviewed and modified by a separate group of 22 international pediatric sedation experts through three rounds of survey development. After each round, the core panel analyzed the recommendations and modified the survey based on consensus input.

Results: We have completed the first two rounds of survey development with > 95% expert response in each. Questions that received > 75% approval have been included. Our survey includes 16 questions that utilize a 5 point Likert scale.

Discussion: To our knowledge, this is the first caregiver satisfaction survey systematically developed using modified Delphi technique. This survey will soon be reviewed in parent advisory council focus groups for feedback with the incorporation of any suggested modifications prior to distribution for the final round. We plan to validate this survey through a multicenter clinical trial that will be approved by the central institutional review board.

References:

1. Milliken-Glabbe SJ, et al. First steps in validating the pediatric anesthesia parent satisfaction (PAPS) survey. *Paediatr Anaesth*. 2017 Feb;27(2):153-161.