



Using Bedside Home Videos to Facilitate Communication during Inpatient Care of Children with Medical Complexity

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Objective: To assess feasibility of displaying bedside home videos of children with medical complexity (CMC) during inpatient admissions, in an effort to facilitate communication between families and providers.

Background

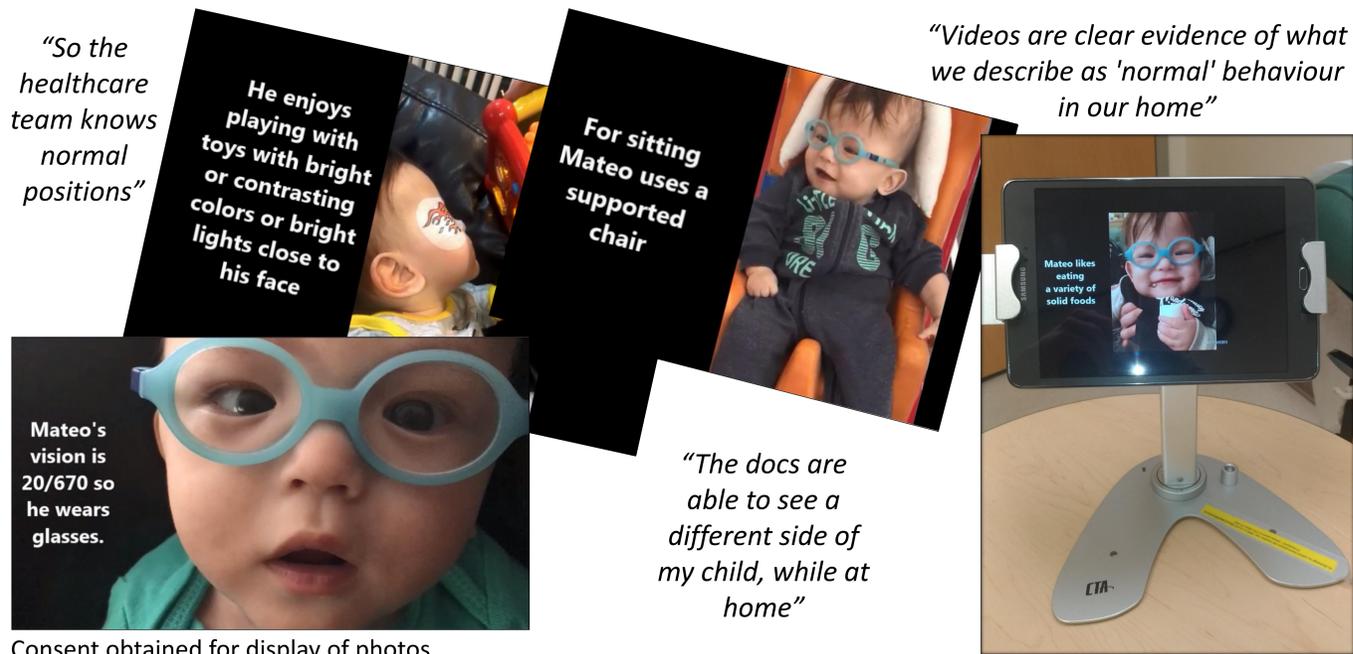
- Communication can be challenging during inpatient admissions of CMC due to the complexity of care, multitude of medical providers involved and often a lack of familiarity with the child.
- The use of technology has the potential to improve information sharing between families and providers and has been effective in other settings for CMC.

Intervention: Bedside home videos:

- Short home videos clips playing continuously at the hospital bedside.
- Content selected by families and can include: health information (typical seizures, baseline respiratory status), developmental abilities, communication and emotions, interventions.

Evaluation

- Families and health care providers (HCP) surveyed to assess the feasibility of bedside videos. Responses recorded on a 5 point Likert scale. Means and standard deviations were calculated (Table 1 and 2). Open ended questions were analyzed for common themes (Figure 1).
- 10 family members and 91 health care providers responded over 5 admissions.



Consent obtained for display of photos

Table 1. Family Feasibility Survey
Responses reported on 5 point Likert scale:
5 = Strongly Agree 1 = Strongly Disagree

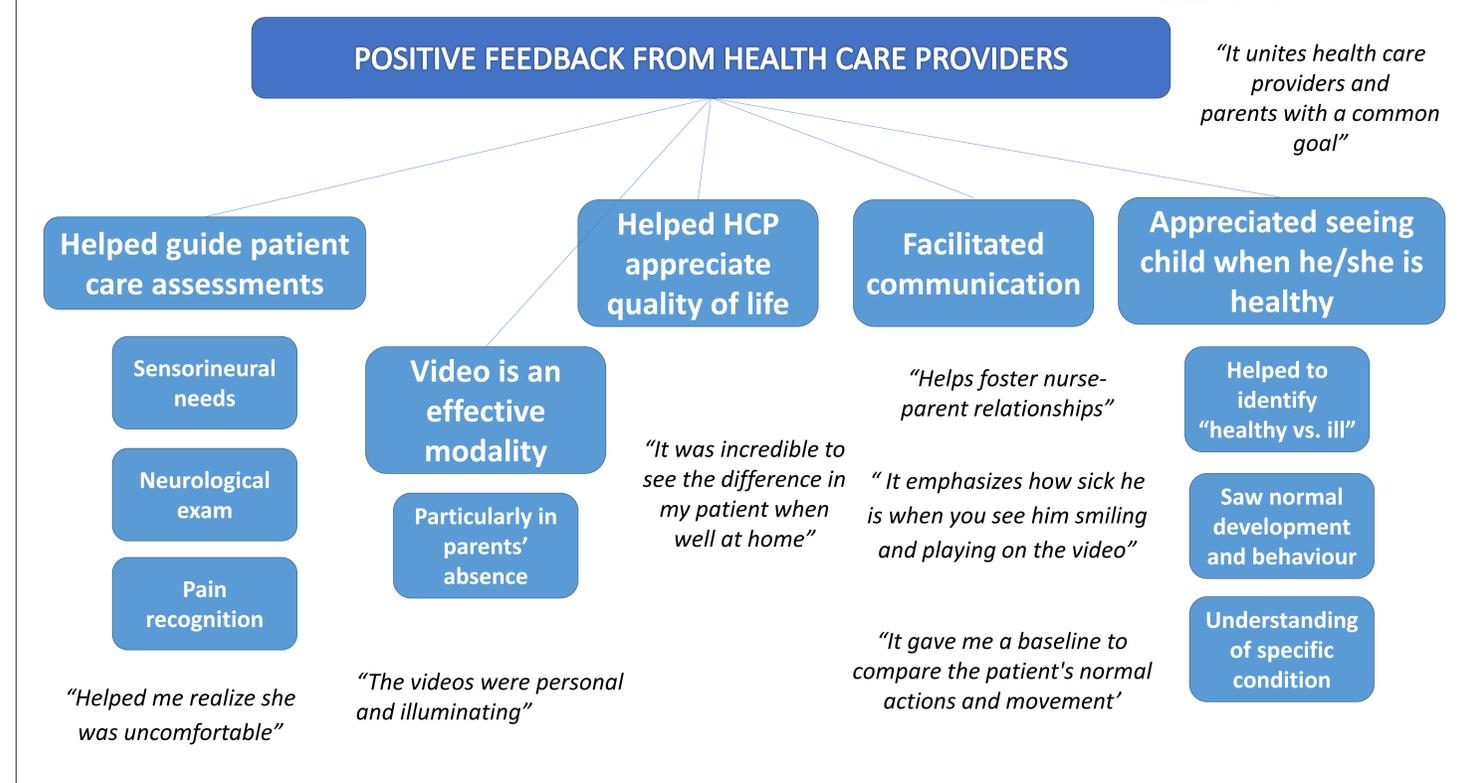
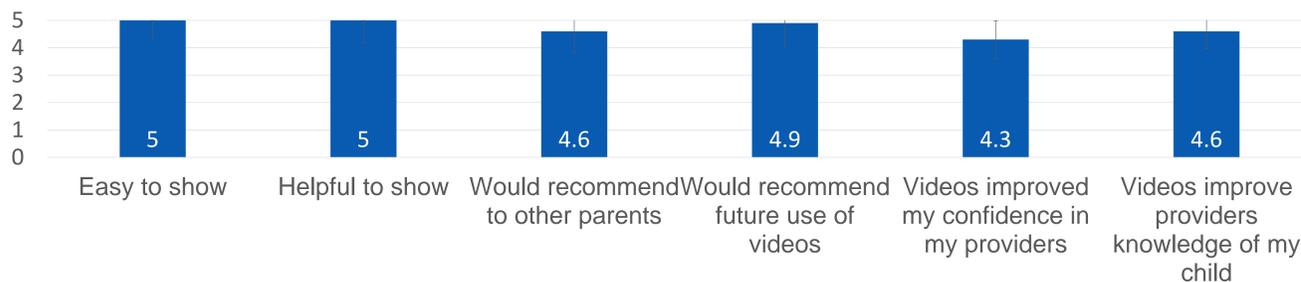
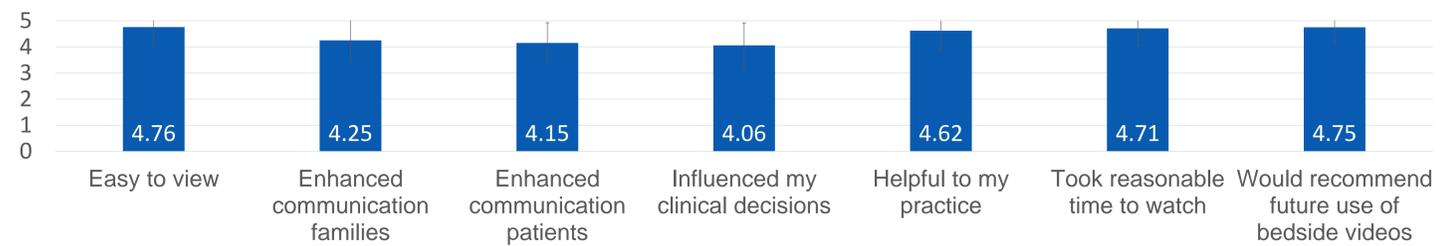


Figure 1. Themes and quotations from what health care providers like about watching bedside home videos

Table 2. Health Care Provider Feasibility Survey
Responses reported on 5 point Likert scale:
5 = Strongly Agree 1 = Strongly Disagree



Barriers to watching home videos

- Time
- Location of video
- Other priorities in patient care
- Doesn't replace conversations with parents
- Videos not well explained

Future directions

- Preliminary feedback shows displaying bedside videos is a feasible intervention and may help improve communication.
- Next steps include evaluating if bedside videos improve family satisfaction with care & health care appreciation of CMC's quality of life
- Connecting with technology experts to upscale the project to be sustainable and accessible to all CMC

Acknowledgements

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