Patient Education in the time of COVID-19: Educational Videos in the Inpatient Setting

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Innovation Objectives

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Methods

- 3 medical students created 4 educational videos on COVID-19 as a quality improvement intervention.
- Topics chosen for the videos included: lovenox, convalescent plasma, evaluating readiness for discharge and a medications overview video discussing remdesivir, dexamethasone and hydroxychloroquine.
- Nurses on the COVID unit at a large community hospital were surveyed on their experiences discussing these topics with patients, before and after the video intervention.
- Handouts containing a QR code linked to the videos as well as a pre-survey and post-survey were distributed to the rooms of floor patients hospitalized with COVID-19, allowing patients to access the videos on their own devices.
- Surveys included knowledge-based questions on topics explained in the video as well as questions about comfort and stress/anxiety.
- Medical students worked with nurses and directly with patients to encourage patient participation in the study.

Results

Knowledge Based Questions

Comfort with Care (n=18)

Did this video improve stress/anxiety related to your care? (n=18)

Time Spent by Nurses Educating Patients

Discussion

- Educational patient videos on COVID-19 in the inpatient setting can increase understanding of care, comfort with care and improve anxiety/stress related to care.
- No substantial reduction in the amount of time nurses spent educating patients on these topics was seen.
- One of the major limitations of this study was the ability to deliver the videos to patients in a format that was easy and accessible for everyone.
- Another major limitation was difficulty sustaining participation from patients and nursing staff.

Conclusions

- Educational videos in the inpatient setting has the potential to improve various aspects of patient experiences related to their care. However, in order to be successful, there needs to be institutional (in the format of video delivery), staff and patient buy in.

Reference