PURPOSE

- Identify most effective strategies for healthcare providers managing surgical patients with Autism Spectrum Disorder (ASD).

- Incorporate strategies into easily accessible care plans for all providers to give individualized treatment.

PICO QUESTION:

- Nurse Researcher consulted by clinical staff for help searching best practice recommendations for healthcare workers caring for ASD children having outpatient procedures at a large urban pediatric healthcare organization.

- Question posed: In surgical patients with ASD, what are best practice healthcare provider strategies to decrease maladaptive behavior perioperatively?

METHOD

- Literature Search conducted via PubMed and CINAHL, included psychological, nursing and anesthesia journals

- Majority of relevant evidence published from 2011-2016

- Key words: coping perioperative surgery, perioperative anxiety autistic children, autistic children and surgery

- Nurse Researcher in collaboration with clinical staff created Evidence Summary Table

APPRAISAL OF EVIDENCE:

Effective strategies for healthcare providers fall broadly into three categories:

1. Medication Interventions- Dexmedetomidine with/without midazolam effective with few side effects in ASD patients

2. Distraction/Play Therapy Interventions-activities with Child Life, animal assisted therapy, personal comfort items and story boards

3. Management Interventions- parental presence in PACU, preregistration to avoid noisy waiting area

CONCLUSIONS

- Collaborative effort results in use of effective strategies based on current evidence leading to:
  1. better communication
  2. individualized care
  3. positive patient surgical experience

- Care plans for ASD patients now being accessed by providers across healthcare organization for other stressful events such as ED visits or MRI procedures.

FUTURE DIRECTIONS

- Over 500 Coping plans already in system, new plans created daily.

- When ASD patient chart accessed, a Best Practice Advisory alerts healthcare provider to presence of Coping Plan.

- Plans underway to link Coping Plans to longitudinal Care Plans.

IMPLEMENTATION PLAN

- Parents contacted prior to surgery and effective strategies individualized according to patient and parental preference.

- Information incorporated into perioperative care plan housed in electronic medical record.

- Plan easily accessed by multiple disciplines involved in care of surgical patient.

- Plans can be updated quickly as patient needs, preferences change.

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- Contact margaret.gettis@choa.org for more information

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- References available