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Department

ED/General Pediatrics/Behavioral Health/ICU



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Purpose: To help address patient behavioral health escalations

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Lubke, K., Morgan, M. Klein, S., Mccarthy, J. Rehberger, A. & Hassan, R.

- Inclusion: Patients greater than or equal 7 years with behavioral health concerns that are escalating
- Exclusion: Patients with an infectious process or delirium

	Agitated Fidgeting, pacing, rapid breathing, crying, rocking	Disruptive Yelling, refusing, arguing, name calling	Destructive/Dangerous Increased Gross Motor Activity Throwing, hitting, kicking, biting			
Utilize non-pharmacological De-escalation Techniques	nain emotional trigger etc)		 Teammate safety is priority Consider BHRT Environmental check for safety of patient and teammate Consider psychiatric consult 			
	If patient condition allows, oral administration should	be utilized first for all etiologies and levels of be	havior			
Unknown Etiology	Antihistamine or Benzodiazepine or 2nd generation antipsychotic	Antihistamine or Benzodiazepine or 2nd generation antipsychotic	1st generation antipsychotic + benzodiazepine or 2nd generation antipsychotic or Ketamine			
Developmental Delay or Autism Avoid IM, if possible, to avoid additional sensory assault, Avoid benzodiazepines due to disinhibition risk	Consider an extra dose of home medication	Clonidine or 2nd generation antipsychotics	2nd generation antipsychotics			
ADHD	Clonidine or Antihistamine or 2nd generation antipsychotics	Clonidine or Antihistamine or 2nd generation antipsychotics	Antihistamine or 2nd generation antipsychotics IM/IV			
Psychosis/Mania	Second generation antipsychotics or Benzodiazepine	1st generation antipsychotic +/- benzodiazepine +/- diphenhydramine	1st generation antipsychotic +/- benzodiazepine +/- diphenhydramine			
Oppositional Defiant Disorder or Conduct Disorder	Second generation antipsychotics or Benzodiazepine	Second generation antipsychotics or Benzodiazepine	Second generation antipsychotics or Benzodiazepine			
Anxiety, PTSD	Anxiety, PTSD Hydroxyzine or Clonidine		Benzodiazepine			
Acute alcohol or benzodiazepine intoxication	1st generation antipsychotics +/- diphenhydramine	1st generation antipsychotics +/- diphenhydramine	1st generation antipsychotics +/- diphenhydramine			
Threat of Lethal - Harm to themselves or others: Call Behavioral Health Response Team						

Created Date

12/11/2023

Version Date

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Class	Medication	Dose	Max Individual Dose	Recommended Daily Max	Approximate Onset	PRN Repeat Interval	Relative Contraindications	Side Effects
Alpha-2 Adrenergic Agonist	Clonidine PO (Catapres)	27-45kg: 0.05mg >45kg 0.1mg	0.1 mg	3 doses	30 min	3 hours	Hypotension, bradycardia	Hypotension, bradycardia, concomitant administration with benzodiazepines or antipsychotics due to risk of hypotension
Antihistamines	Diphenhydramine PO/IM (Benadryl)	1 mg/kg	50 mg	100 mg	PO: 1.5 hrs, IM: 25 min	4 hours	Prior paradoxical response, developmental delay,	Sedation, paradoxical response
Antih	Hydroxyzine PO (Atarax)	1 mg/kg	50 mg	100 mg	30 min	5 hours	current anticholinergic or TCA medications	
	Lorazepam PO (Ativan)	0.05 - 0.1 mg/kg	4 mg	< 50 kg: 4 mg ≥50 kg: 8 mg	30 min	4 hours	Disinhibition, delirium,	, Respiratory depression, disinhibition
zepine	Lorazepam IV/IM (Ativan)			≥30 kg. 8 ilig	20 min			
Benzodiazepines	Midazolam IM (Versed)	0.1 mg/kg	5 mg	15 mg	5 min	7 min	developmental delay, respiratory instability	
Ben	Midazolam IN (Versed)	0.2 mg/kg	10 mg	10 mg	5.5 min	15 min		
	Midazolam IV (Versed)	0.05 mg/kg	2 mg	10 mg	3 min	5 min		
chotics	Haloperidol IM (Haldol)	0.05 mg/kg	5 mg	n/a	20 min	30 min		QTc prolongation, EPS symptoms
1st Generation Antipsychotics	Droperidol IM (Inapsine)	0.05 mg/kg	5 mg	5 mg	10 min	20 min	QTc > 500, anticholinergic intoxication, active seizure disorder withdrawal syndrome	
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ntipsychotics	Ziprasidone IM (Geodon)	0.2 mg/kg	<12 yrs old: 10 mg ≥12 yrs old: 20 mg	20 mg	60 min	2 - 5 hours	QTc > 500, anticholinergic intoxication, active seizure disorder	QT prolongation
Antip	Olanzapine PO/ODT (Zyprexa)	7-11 y/o: 2.5mg ≥12 y/o: 5mg	1 10 mg 20 mg 20 min 5 hours					
ration	Olanzapine IM (Zyprexa)	0.1 mg/kg	5 mg	30 mg	15 min	30 min	Consider risk of respiratory depression	Respiratory depression, orthostatic hypotension, QT prolongation, tachycardia, hypertension
2nd Gener	Risperidone PO/ODT (Risperdal)	15-29 kg: 0.25 mg > 30 kg: 0.5 mg	0.5	2.5 mg	60 min	5 hours	if benzodiazepine given within 1 hour of IM olanzapine	
2	Quetiapine PO (Seroquel)	0.5 mg/kg	50 mg	400 mg	90 min	12 hours	·	
1DA Receptor Antagonist	Ketamine IM (100 mg/mL)	30 – 49 kg: 100 mg (1 mL) 50-59 kg: 150 mg (1.5 mL) 60-79 kg: 200 mg (2 mL) 89-99 kg: 250 mg (2.5 mL) ≥100 kg: 300 mg (3 mL)	300 mg	n/a	3 min	5 – 30 min	Patients who tachycardia or hypertension would constitute a serious	Emergence reactions, tachycardia, hypertension
NMDA Anta	Ketamine IV (10 mg/mL)	1 mg/kg	150 mg	n/a	1 min	5 min	hazard	

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