

Inclusion Criteria: Any patient in the Emergency Department or Inpatient Med/Surg Units with any of the following:

- Acute mental status change, acute onset hallucinations or delusions, confusion, impaired memory, alteration of attention or arousal, acute catatonia; OR
- Clinical suspicion of delirium based on [Vanderbilt Assessment for Delirium in Infants and Children \(VADIC\) Assessment Tool](#) or [Cornell Assessment of Pediatric Delirium \(CAPD\) Score](#)
- All patients admitted to Medical/Surgical floors will be screened for delirium

Exclusion Criteria: Patient located in the NICU, ambulatory and perioperative areas, infusion patients, PICU. If in PICU, follow PICU protocol for screening and prevention.

Etiologies to consider:

CNS infection, fever, sepsis/end organ dysfunction (see [Sepsis Pathway](#)), Multi-system Inflammatory Syndrome in Children (see [MIS-C Pathway](#)), hypoxemia, hypoglycemia, electrolyte abnormality, CNS abnormality, intoxication, autoimmune encephalitis, SLE, vasculitis, drug withdrawal, metabolic disease, neoplasm

Phase of Care - Navigation Links

[Emergency Department](#)

[Inpatient and ED \(Zone C\) Management](#)

[Inpatient Prevention and Screening](#)

[Inpatient Evaluation and Work Up](#)

Scoring Tools - Navigation Links

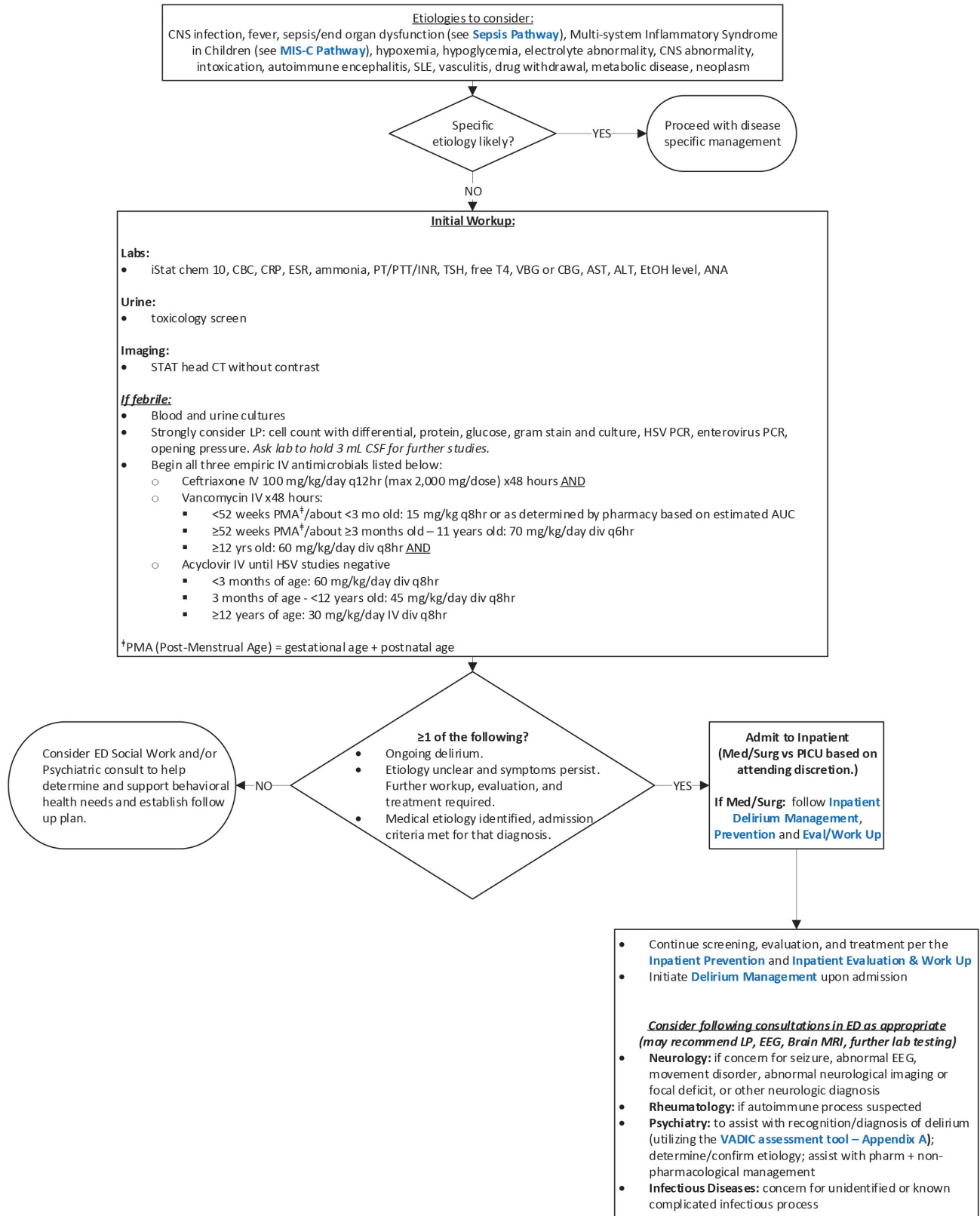
[Appendix A: Vanderbilt Assessment for Delirium in Infants and Children \(VADIC\) Assessment Tool](#)

[Appendix B: Cornell Assessment of Pediatric Delirium \(CAPD\) Score](#)

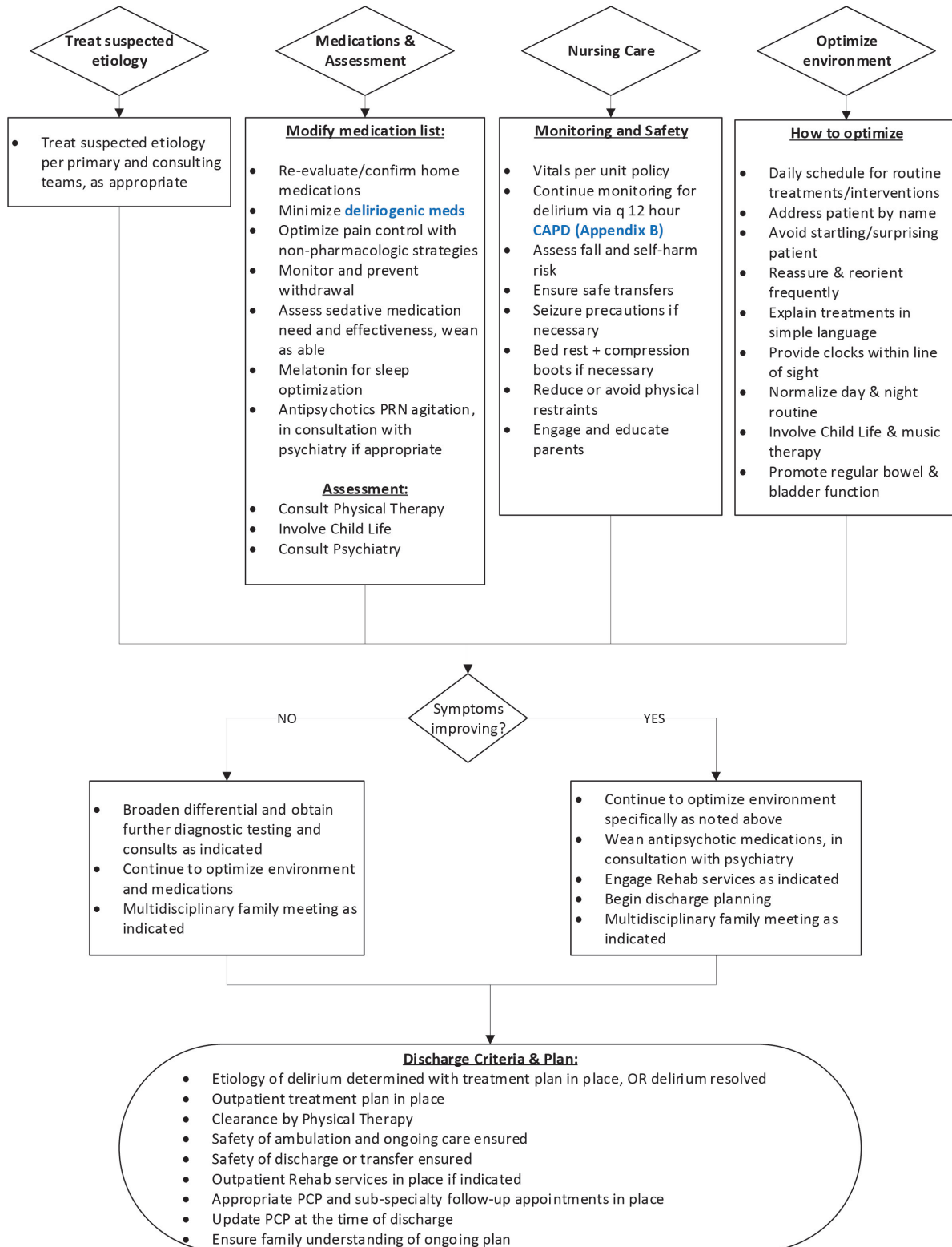
[Appendix C: Developmental Anchors](#)

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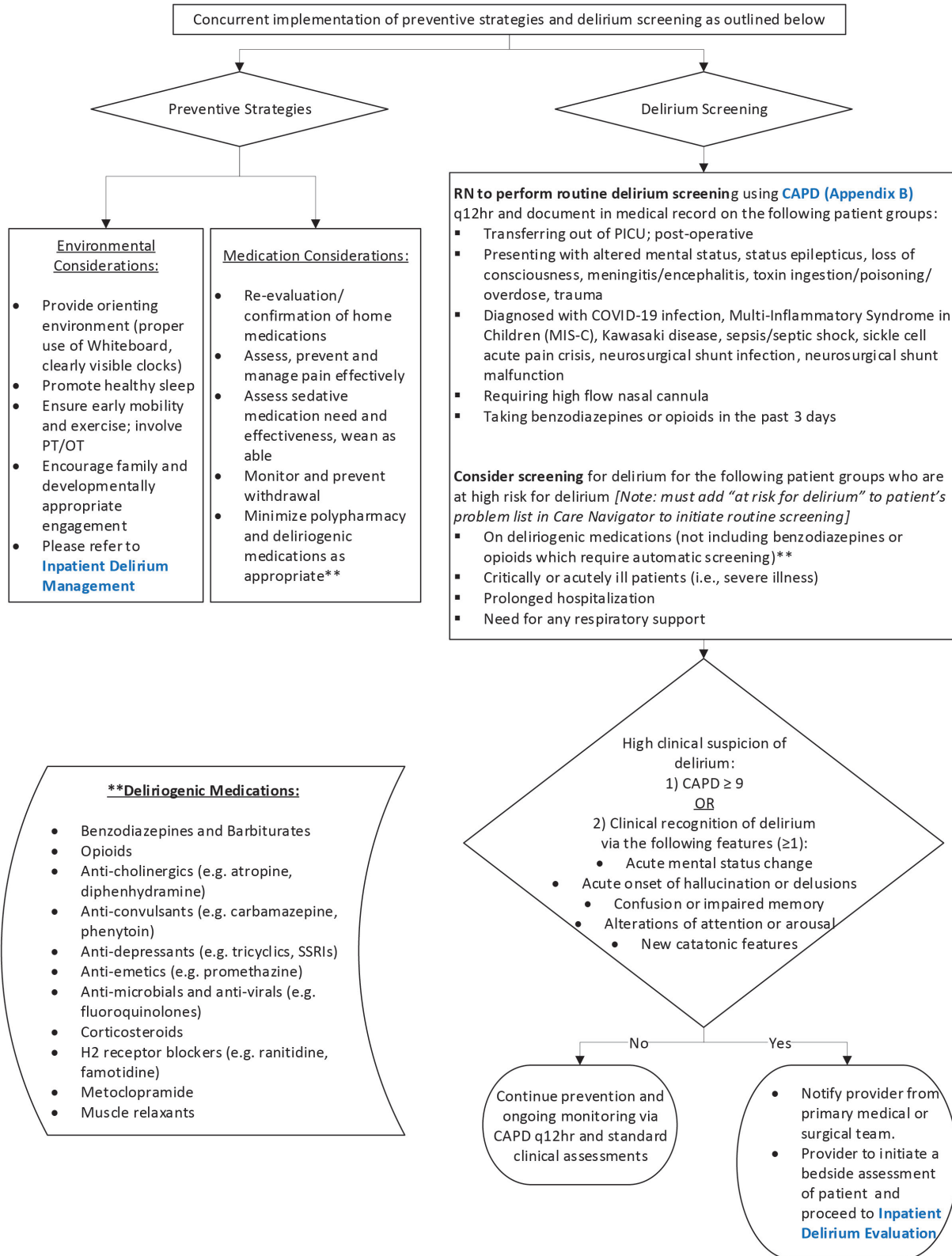


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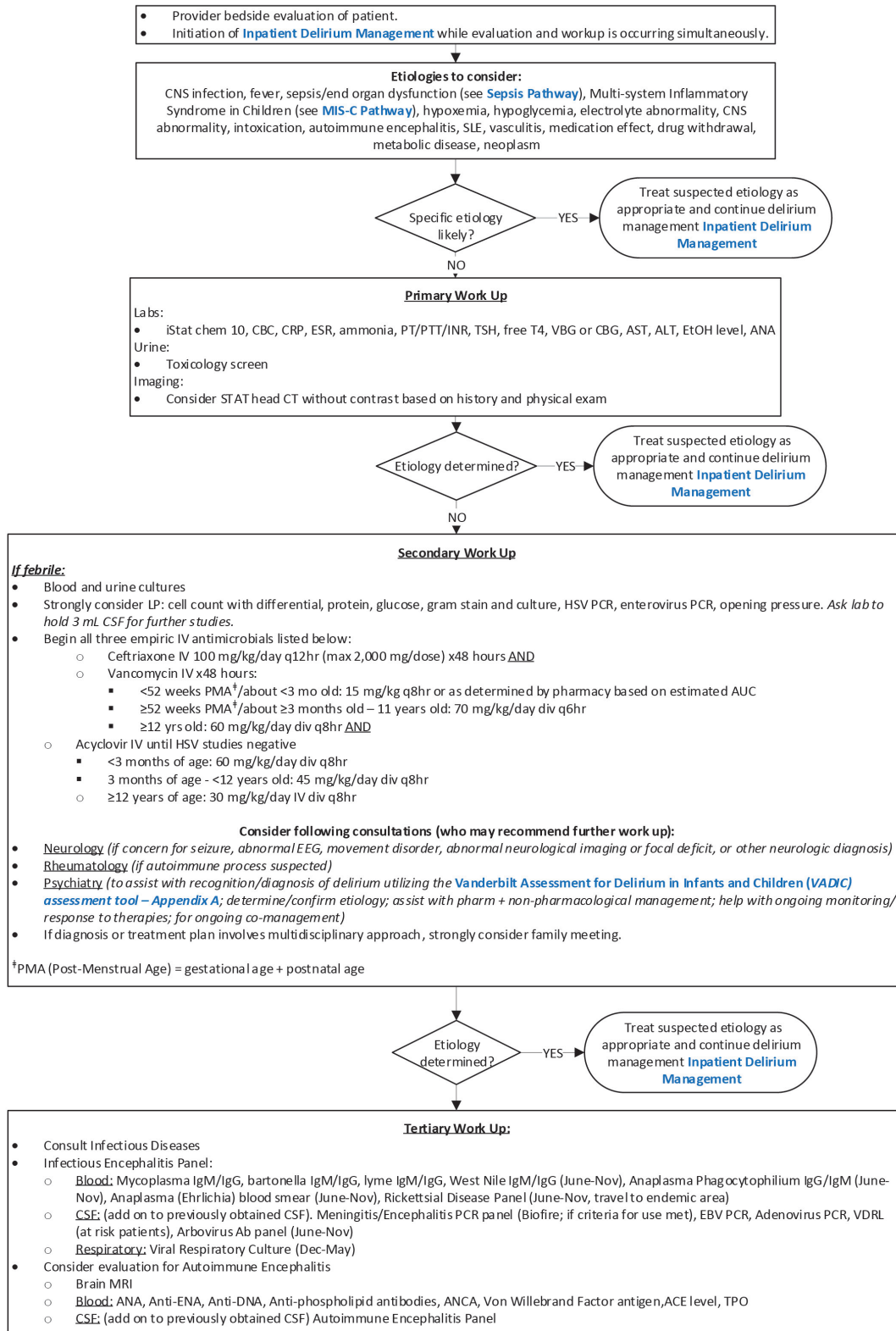




- **Deliriogenic Medications:**

 - Benzodiazepines and Barbiturates
 - Opioids
 - Anti-cholinergics (e.g. atropine, diphenhydramine)
 - Anti-convulsants (e.g. carbamazepine, phenytoin)
 - Anti-depressants (e.g. tricyclics, SSRIs)
 - Anti-emetics (e.g. promethazine)
 - Anti-microbials and anti-virals (e.g. fluoroquinolones)
 - Corticosteroids
 - H2 receptor blockers (e.g. ranitidine, famotidine)
 - Metoclopramide
 - Muscle relaxants

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CLINICAL PATHWAY:
Delirium Emergency Department and Inpatient
Appendix A: Vanderbilt Assessment for Delirium in Infants and Children (VADIC)

THIS PATHWAY
SERVES AS A GUIDE
AND DOES NOT
REPLACE CLINICAL
JUDGMENT.

VANDERBILT ASSESSMENT FOR DELIRIUM IN INFANTS AND CHILDREN (VADIC)					
Clinician:			Patient ID:		
Age:		Patient Intubated? <input type="checkbox"/> YES <input type="checkbox"/> NO		Date/Time:	
Pertinent medication exposure ≤ 24 hrs. prior to assessment (DRUG / DOSE)					
1.			4.		
2.			5.		
3.			6.		
LEVEL OF CONSCIOUSNESS (check one)		MENTAL STATUS			
Combative	<input type="checkbox"/> YES	State of current mental status – Check one option			
Agitated	<input type="checkbox"/> YES	<input type="checkbox"/> At Baseline	<input type="checkbox"/> Acute Change	<input type="checkbox"/> Chronic Change	
Restless	<input type="checkbox"/> YES	Pattern of mental status – past 24 hours		<input type="checkbox"/> Stable	<input type="checkbox"/> Fluctuating
Alert and Calm	<input type="checkbox"/> YES	PERCEPTION			
Drowsy: Not fully alert but easily demonstrates sustained awakening with stimulation only from voice	<input type="checkbox"/> YES	Hallucinations: <input type="checkbox"/> auditory <input type="checkbox"/> visual		<input type="checkbox"/> N/A	<input type="checkbox"/> NO <input type="checkbox"/> YES
Lethargy: Arouses to voice but difficult to maintain the aroused state	<input type="checkbox"/> YES	Hyperacusis present? <i>Comments:</i>		<input type="checkbox"/> N/A	<input type="checkbox"/> NO <input type="checkbox"/> YES
Obtundation: Responds to stimulation other than pain. May briefly open eyes or have movement, doesn't interact with person or environment	<input type="checkbox"/> YES	Atypical response to normal stimuli? <i>(stuffed animals, familiar toys)</i>		<input type="checkbox"/> N/A	<input type="checkbox"/> NO <input type="checkbox"/> YES
Stupor: Responsive only to pain	<input type="checkbox"/> YES	Unable to sooth when fearful stimuli removed?		<input type="checkbox"/> N/A	<input type="checkbox"/> NO <input type="checkbox"/> YES
Coma: Unresponsive to pain	<input type="checkbox"/> YES	<i>Comments:</i>			
ATTENTION and COGNITION					
DECREASED ability to:		Focus attention:	<input type="checkbox"/> NO <input type="checkbox"/> YES	ORIENTATION: <input type="checkbox"/> Person <input type="checkbox"/> Place <input type="checkbox"/> N/A	
		Sustain attention:	<input type="checkbox"/> NO <input type="checkbox"/> YES	<i>Comments:</i>	
		Shift attention:	<input type="checkbox"/> NO <input type="checkbox"/> YES		



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CLINICAL PATHWAY:

Delirium Emergency Department and Inpatient

Appendix A: Vanderbilt Assessment for Delirium in Infants and Children (VADIC)

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DECREASED indication of consistent preference for objects such as a favorite toy, rattle, pacifier, blankie, book, iPad?	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
DECREASED ability to screen out extraneous stimuli? (Easily distracted by noise, people)	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
DECREASED ability to interact with toys/objects appropriately? (No interaction/recognition, uses toy inappropriately)	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
DECREASED social smile in response to toys or stuffed animals?	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
Object permanence present? (interacts with Peek-a-boo, hide-and-seek)	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
SLEEP-WAKE CYCLE			
Normal Nap Patterns (Q2-4h infants, Q6h toddlers, QD preschool):	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
Nocturnal Disturbance : (initial, middle, terminal insomnia, phase shift)	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
Day-Night Reversal (more difficult to recognize in infants)	<input type="checkbox"/> NO	<input type="checkbox"/> YES	
<i>Comments:</i>			
AFFECT			
Excessive energy for age and context/environment?			
<input type="checkbox"/> NO <input type="checkbox"/> YES			
Irritability or anger			
<input type="checkbox"/> NO <input type="checkbox"/> YES			
Inconsolability			
<input type="checkbox"/> NO <input type="checkbox"/> YES			
Inappropriate Affect			
<input type="checkbox"/> NO <input type="checkbox"/> YES			
Describe Affect:			
Confounders present? <input type="checkbox"/> Anxiety <input type="checkbox"/> Pain <input type="checkbox"/> Volitional <input type="checkbox"/> None			
LANGUAGE and THOUGHT			
<input type="checkbox"/> Not Present (immature development or developmental delay)			
<input type="checkbox"/> Present			
Receptive Language:			
One - Step Command <input type="checkbox"/> NO <input type="checkbox"/> YES			
Two - Step Command <input type="checkbox"/> NO <input type="checkbox"/> YES			
Three - Step Command <input type="checkbox"/> NO <input type="checkbox"/> YES			
<i>Does not follow commands (check reason below):</i>			
<input type="checkbox"/> Unable due to immaturity/illness (intubated)			
<input type="checkbox"/> Inappropriately not following commands			
Describe baseline speech and language per parent/nurse if available:			
<input type="checkbox"/> Appropriate			
<input type="checkbox"/> Decreased amount			
<input type="checkbox"/> Decreased spontaneity			
<input type="checkbox"/> Increased latency			
<input type="checkbox"/> Change from baseline			
<input type="checkbox"/> Circumstantial			
<input type="checkbox"/> Tangential			
<input type="checkbox"/> Obstructed due to disease or device			
IS ACUTE DELIRIUM PRESENT?			
<input type="checkbox"/> UTA	When LOC severely depressed, unable to directly clinically assess patient AND prior clinical assessment not available.		
<input type="checkbox"/> NO	If NO consider → Subsyndromal delirium(SS) (Delirium probable but NOT all criteria met): <input type="checkbox"/> NO <input type="checkbox"/> YES		
<input type="checkbox"/> YES	If YES then choose type → <input type="checkbox"/> HYPOACTIVE <input type="checkbox"/> HYPERACTIVE <input type="checkbox"/> MIXED	Drug Withdrawal? <input type="checkbox"/> N/A <input type="checkbox"/> NO <input type="checkbox"/> YES	
24-HOUR assessment → IS DELIRIUM PRESENT? <input type="checkbox"/> PRESENT <input type="checkbox"/> ABSENT <input type="checkbox"/> SUBSYNDROMAL <input type="checkbox"/> UTA			
<input type="checkbox"/> 1. Acute change Mental Status	<input type="checkbox"/> 3. Inattention present	<input type="checkbox"/> 5. Change in Cognition	<input type="checkbox"/> 7. Change in Affect
<input type="checkbox"/> 2. Fluctuating Course	<input type="checkbox"/> 4. Inconsolability	<input type="checkbox"/> 6. Change in Language/Thought	<input type="checkbox"/> 8. Change in Sleep/Wake Cycle

DELIRIUM = 1+2+3+5+7 AND 4 OR 6 OR 8



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Cornell Assessment of Pediatric Delirium (CAPD) Score – Revised

Figure 1. Cornell Assessment of Pediatric Delirium (CAPD) revised

Please answer the following questions based on your interactions with the patient over the course of your shift:

	Never 4	Rarely 3	Sometimes 2	Often 1	Always 0	Score
1. Does the child make eye contact with the caregiver?						
2. Are the child's actions purposeful?						
3. Is the child aware of his/her surroundings?						
4. Does the child communicate needs and wants?						
	Never 0	Rarely 1	Sometimes 2	Often 3	Always 4	
5. Is the child restless?						
6. Is the child inconsolable?						
7. Is the child underactive—very little movement while awake?						
8. Does it take the child a long time to respond to interactions?						
					TOTAL	

Please see [Appendix C – Developmental Anchors](#), to reference normative behaviors based on age and developmental level.



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CLINICAL PATHWAY:
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Appendix C: Developmental Anchors

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	NB	4 weeks	6 weeks	8 weeks	28 weeks	1 year	2 years
1. Does the child make eye contact with the caregiver?	Fixates on face	Holds gaze briefly Follows 90 degrees	Holds gaze	Follows moving object/caregiver past midline, regards examiner's hand holding object, focused attention	Holds gaze. Prefers primary parent. Looks at speaker.	Holds gaze. Prefers primary parent. Looks at speaker.	Holds gaze. Prefers primary parent. Looks at speaker
2. Are the child's actions purposeful?	Moves head to side, dominated by primitive reflexes	Reaches (with some discoordination)	Reaches	Symmetric movements, will passively grasp handed object	Reaches with coordinated smooth movement	Reaches and manipulates objects, tries to change position, if mobile may try to get up.	Reaches and manipulates objects, tries to change position, if mobile may try to get up and walk
3. Is the child aware of his/her surroundings?	Calm awake time	Awake alert time Turns to primary caretaker's voice May turn to smell of primary care taker	Increasing awake alert time Turns to primary caretaker's voice May turn to smell of primary care taker	Facial brightening or smile in response to nodding head, frown to bell, coos	Strongly prefers mother, then other familiars. Differentiates between novel and familiar objects	Prefers primary parent, then other familiars, upset when separated from preferred care takers. Comforted by familiar objects especially favorite blanket or stuffed animal	Prefers primary parent, then other familiars, upset when separated from preferred care takers. Comforted by familiar objects, especially favorite blanket or stuffed animal
4. Does the child communicate needs and wants?	Cries when hungry or uncomfortable	Cries when hungry or uncomfortable	Cries when hungry or uncomfortable	Cries when hungry or uncomfortable	Vocalizes /indicates about needs, e.g., hunger, discomfort, curiosity in objects, or surroundings	Uses single words or signs	3 to 4 word sentences, or signs. May indicate toilet needs, calls self or me
5. Is the child restless?	No sustained awake alert state	No sustained calm state	No sustained calm state	No sustained awake alert state	No sustained calm state	No sustained calm state	No sustained calm state
6. Is the child inconsolable?	Not soothed by parental rocking, singing, feeding, comforting actions	Not soothed by parental rocking, singing, feeding, comforting actions	Not soothed by parental rocking, singing, feeding, comforting actions	Not soothed by parental rocking, singing, feeding, comforting actions	Not soothed by usual methods, e.g., singing, holding, talking	Not soothed by usual methods, e.g., singing, holding, talking, reading	Not soothed by usual methods, e.g., singing, holding, talking, reading (may tantrum, but can organize)
7. Is the child underactive—very little movement while awake?	Little if any flexed and then relaxed state with primitive reflexes (Child should be sleeping comfortably most of the time)	Little if any reaching, kicking, grasping (still may be somewhat disordinated)	Little if any reaching, kicking, grasping (may begin to be more coordinated)	Little if any purposive grasping, control of head and arm movements, such as pushing things that are noxious away	Little if any reaching, grasping, moving around in bed, pushing things away	Little if any play, efforts to sit up, pull up, and if mobile crawl or walk around	Little if any more elaborate play, efforts to sit up and move around, and if able to stand, walk, or jump
8. Does it take the child a long time to respond to interactions?	Not making sounds or reflexes active as expected (grasp, suck, moro)	Not making sounds or reflexes active as expected (grasp, suck, moro)	Not kicking or crying with noxious stimuli	Not cooing, smiling, or focusing gaze in response to interactions	Not babbling or smiling/laughing in social interactions (or even actively rejecting an interaction)	Not following simple directions. If verbal, not engaging in simple dialogue with words or jargon	Not following 1–2 step simple commands. If verbal, not engaging in more complex dialogue



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