

## IM5 Clinical Worksheet – PICU

<b>Student Name:</b> Juliana Adams Pogany <b>Date:</b> 04/22	<b>Patient Age:</b> 5 years old <b>Patient Weight:</b> kg 18
<b>1. Admitting Diagnosis and Pathophysiology</b> (State the pathophysiology in own words) Pleural effusion: there is fluid buildup in the lungs	<b>2. Priority Focused Assessment R/T Diagnosis:</b> Respiratory assessment
<b>3. Identify the most likely and worst possible complications.</b> Most likely: emphysema Worst possible: sepsis and multi-organ failure	<b>4. What interventions can prevent the listed complications from developing?</b> Early diagnosis, drainage of the effusion, treatment like antibiotics, monitor for signs of infection
<b>5. What clinical data/assessments are needed to identify these complications early?</b> Fever, increased WBC, elevated CRP, fluid analysis showing purulent fluid or positive culture, SOB, low oxygen level	<b>6. What nursing interventions will the nurse implement if the anticipated complication develops?</b> Administer prescribed meds, assist with chest tube care, educate pt and caregiver about signs of worsening condition, assess respiratory status frequently
<b>7. Pain &amp; Discomfort Management:</b> List 2 Developmentally Appropriate Non-Pharmacologic Interventions Related to Pain & Discomfort for This Patient. <ol style="list-style-type: none"> <li>1. Distract them using toys or games</li> <li>2. Allow their parents to be with them</li> </ol>	<b>8. Patient/Caregiver Teaching:</b> <ol style="list-style-type: none"> <li>1. Educate them on what signs to watch for</li> <li>2. Don't remove or adjust tube on their own</li> <li>3. Keep the chest tube or catheter clean and dry</li> </ol> <b>Any Safety Issues Identified:</b>
<b>Please list any medications you administered or procedures you performed during your shift:</b> Ofirmev	

PICU

GENERAL APPEARANCE	CARDIOVASCULAR	PSYCHOSOCIAL
<b>Appearance:</b> <input checked="" type="checkbox"/> Healthy/Well Nourished <input checked="" type="checkbox"/> Neat/Clean <input type="checkbox"/> Emaciated <input type="checkbox"/> Unkept <b>Developmental age:</b> <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Delayed	<b>Pulse:</b> <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Irregular <input checked="" type="checkbox"/> Strong <input type="checkbox"/> Weak <input type="checkbox"/> Thready <input type="checkbox"/> Murmur <input type="checkbox"/> Other _____ <b>Edema:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Location _____ <input type="checkbox"/> 1+ <input type="checkbox"/> 2+ <input type="checkbox"/> 3+ <input type="checkbox"/> 4+ <b>Capillary Refill:</b> <input checked="" type="checkbox"/> < 2 sec <input type="checkbox"/> > 2 sec <b>Pulses:</b> Upper R <u>S</u> L <u>S</u> Lower R <u>S</u> L <u>S</u> 4+ Bounding 3+ Strong 2+ Weak 1+ Intermittent 0 None	<b>Social Status:</b> <input checked="" type="checkbox"/> Calm/Relaxed <input checked="" type="checkbox"/> Oxyel <input checked="" type="checkbox"/> Friendly <input checked="" type="checkbox"/> Cooperative <input type="checkbox"/> Crying <input type="checkbox"/> Uncooperative <input type="checkbox"/> Restless <input type="checkbox"/> Withdrawn <input type="checkbox"/> Hostile/Anxious <b>Social/emotional bonding with family:</b> <input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent
NEUROLOGICAL	ELIMINATION	IV ACCESS
<b>LOC:</b> <input checked="" type="checkbox"/> Alert <input type="checkbox"/> Confused <input type="checkbox"/> Restless <input type="checkbox"/> Sedated <input type="checkbox"/> Unresponsive <b>Oriented to:</b> <input checked="" type="checkbox"/> Person <input checked="" type="checkbox"/> Place <input checked="" type="checkbox"/> Time/Event <input checked="" type="checkbox"/> Appropriate for Age <b>Pupil Response:</b> <input checked="" type="checkbox"/> Equal <input type="checkbox"/> Unequal <input checked="" type="checkbox"/> Reactive to Light <input type="checkbox"/> Size _____ <b>Fontanel:</b> (Pt < 2 years) <input type="checkbox"/> Soft <input type="checkbox"/> Flat <input type="checkbox"/> Bulging <input type="checkbox"/> Sunken <input type="checkbox"/> Closed <b>Extremities:</b> <input checked="" type="checkbox"/> Able to move all extremities <input checked="" type="checkbox"/> Symmetrically <input type="checkbox"/> Asymmetrically Grips: Right <u>S</u> Left <u>S</u> Pushes: Right <u>S</u> Left <u>S</u> S=Strong W=Weak N=None <b>EVD Drain:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Level _____ <b>Seizure Precautions:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Urine Appearance:</b> <u>yellow</u> <b>Stool Appearance:</b> <u>brown</u> <input type="checkbox"/> Diarrhea <input type="checkbox"/> Constipation <input type="checkbox"/> Bloody <input type="checkbox"/> Colostomy	<b>Site:</b> <u>Peripheral</u> <input type="checkbox"/> INT <input type="checkbox"/> None <input type="checkbox"/> Central Line Type/Location: _____ <b>Appearance:</b> <input checked="" type="checkbox"/> No Redness/Swelling <input type="checkbox"/> Red <input type="checkbox"/> Swollen <input checked="" type="checkbox"/> Patent <input type="checkbox"/> Blood return <b>Dressing Intact:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>Fluids:</b> _____
RESPIRATORY	GASTROINTESTINAL	SKIN
<b>Respirations:</b> <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Irregular <input type="checkbox"/> Retractions (type) _____ <input type="checkbox"/> Labored <b>Breath Sounds:</b> Clear <input checked="" type="checkbox"/> Right <input checked="" type="checkbox"/> Left Crackles <input type="checkbox"/> Right <input type="checkbox"/> Left Wheezes <input type="checkbox"/> Right <input type="checkbox"/> Left Diminished <input type="checkbox"/> Right <input type="checkbox"/> Left Absent <input type="checkbox"/> Right <input type="checkbox"/> Left <input checked="" type="checkbox"/> Room Air <input type="checkbox"/> Oxygen <b>Oxygen Delivery:</b> <input type="checkbox"/> Nasal Cannula: _____ L/min <input type="checkbox"/> BiPap/CPAP: _____ <input type="checkbox"/> Vent: ETT size _____ @ _____ cm <input type="checkbox"/> Other: _____ <b>Trach:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Size _____ Type _____ Obturator at Bedside <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Cough:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Productive <input type="checkbox"/> Nonproductive <b>Secretions:</b> Color _____ Consistency _____ <b>Suction:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Type _____ <b>Pulse Ox Site</b> _____ <b>Oxygen Saturation:</b> _____	<b>Abdomen:</b> <input checked="" type="checkbox"/> Soft <input type="checkbox"/> Firm <input checked="" type="checkbox"/> Flat <input type="checkbox"/> Distended <input type="checkbox"/> Guarded <b>Bowel Sounds:</b> <input checked="" type="checkbox"/> Present X <u>4</u> quads <input type="checkbox"/> Active <input checked="" type="checkbox"/> Hypo <input type="checkbox"/> Hyper <input type="checkbox"/> Absent <b>Nausea:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Vomiting:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Passing Flatus:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>Tube:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Type _____ Location _____ Inserted to _____ cm <input type="checkbox"/> Suction Type: _____	<b>Color:</b> <input type="checkbox"/> Pink <input type="checkbox"/> Flushed <input type="checkbox"/> Jaundiced <input type="checkbox"/> Cyanotic <input type="checkbox"/> Pale <input checked="" type="checkbox"/> Natural for Pt <b>Condition:</b> <input checked="" type="checkbox"/> Warm <input type="checkbox"/> Cool <input type="checkbox"/> Dry <input type="checkbox"/> Diaphoretic <b>Turgor:</b> <input checked="" type="checkbox"/> < 5 seconds <input type="checkbox"/> > 5 seconds <b>Skin:</b> <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Bruises <input type="checkbox"/> Lacerations <input type="checkbox"/> Tears <input type="checkbox"/> Rash <input type="checkbox"/> Skin Breakdown Location/Description: _____ <b>Mucous Membranes:</b> Color: _____ <input checked="" type="checkbox"/> Moist <input type="checkbox"/> Dry <input type="checkbox"/> Ulceration
NUTRITIONAL	MUSCULOSKELETAL	PAIN
<b>Diet/Formula:</b> <u>regular</u> <b>Amount/Schedule:</b> _____ <b>Chewing/Swallowing difficulties:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Pain <input type="checkbox"/> Joint Stiffness <input type="checkbox"/> Swelling <input type="checkbox"/> Contracted <input type="checkbox"/> Weakness <input type="checkbox"/> Cramping <input type="checkbox"/> Spasms <input type="checkbox"/> Tremors <b>Movement:</b> <input type="checkbox"/> RA <input type="checkbox"/> LA <input type="checkbox"/> RL <input type="checkbox"/> LL <input checked="" type="checkbox"/> All <b>Brace/Appliances:</b> <input checked="" type="checkbox"/> None Type: _____	<b>Scale Used:</b> <input checked="" type="checkbox"/> Numeric <input type="checkbox"/> FLACC <input type="checkbox"/> Faces <b>Location:</b> _____ <b>Type:</b> _____ <b>Pain Score:</b> 0800 <u>0</u> 1200 <u>0</u> 1600 _____
MOBILITY	WOUND/INCISION	TUBES/DRAINS
<input checked="" type="checkbox"/> Ambulatory <input type="checkbox"/> Crawl <input type="checkbox"/> In Arms <input type="checkbox"/> Ambulatory with assist _____ <b>Assistive Device:</b> <input type="checkbox"/> Crutch <input type="checkbox"/> Walker <input type="checkbox"/> Brace <input type="checkbox"/> Wheelchair <input type="checkbox"/> Bedridden	<input checked="" type="checkbox"/> None <b>Type:</b> _____ <b>Location:</b> _____ <b>Description:</b> _____ <b>Dressing:</b> _____	<input checked="" type="checkbox"/> None <input type="checkbox"/> Drain/Tube <b>Site:</b> _____ <b>Type:</b> _____ <b>Dressing:</b> _____ <b>Suction:</b> _____ <b>Drainage amount:</b> _____ <b>Drainage color:</b> _____

83.7 kg

PICU

INTAKE/OUTPUT													
<b>PO/Enteral Intake</b>	07	08	09	10	11	12	13	14	15	16	17	18	Total
PO Intake/Tube Feed			80L			30ml							
Intake - PO Meds													
<b>IV INTAKE</b>	07	08	09	10	11	12	13	14	15	16	17	18	Total
IV Fluid													
IV Meds/Flush							50						
<b>Calculate Maintenance Fluid Requirement (Show Work)</b> $10 \times 100 = 1000 \text{ mL}$ $10 \times 50 = 500$ $83.7 \times 20 = 1274$ $2774 \div 24 = 115.5$ $116 \text{ mL/hr}$							<b>Combined Total Intake for Pt (mL/hr)</b> $240 + 30 + 50 = 320 \text{ mL/hr}$ $26.6 \rightarrow 27 \text{ mL/hr}$						
<b>OUTPUT</b>	07	08	09	10	11	12	13	14	15	16	17	18	Total
Urine/Diaper	30	0	35	65	0								
Stool													
Emesis													
Other													
<b>Calculate Minimum Acceptable Urine Output</b> $0.5 \times 83.7 = 41.85 \text{ mL/hr}$							<b>Average Urine Output During Your Shift:</b> $30 + 0 + 35 + 65 + 0 = 130 \text{ mL}$ $130 \div 5 = 26 \text{ mL}$						

Children's Hospital Early Warning Score (CHEWS)	
(See CHEWS Scoring and Escalation Algorithm to score each category)	
Behavior/Neuro	Circle the appropriate score for this category: <input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3

## CHEWS Scoring and Escalation Algorithm

	0	1	2	3
<b>Behavior/Neuro</b>	<ul style="list-style-type: none"> <li>- Playing/sleeping appropriately <b>OR</b></li> <li>- Alert, at patient's baseline</li> </ul>	<ul style="list-style-type: none"> <li>- Sleepy, somnolent when not disturbed</li> </ul>	<ul style="list-style-type: none"> <li>- Irritable, difficult to console <b>OR</b></li> <li>- Increase in patient's baseline seizure activity</li> </ul>	<ul style="list-style-type: none"> <li>- Lethargic, confused, floppy <b>OR</b></li> <li>- Reduced response to pain <b>OR</b></li> <li>- Prolonged or frequent seizures <b>OR</b></li> <li>- Pupils asymmetrical or sluggish</li> </ul>
<b>Cardiovascular</b>	<ul style="list-style-type: none"> <li>- Skin tone appropriate for patient</li> <li>- Capillary refill <math>\leq 2</math> seconds</li> </ul>	<ul style="list-style-type: none"> <li>- Pale <b>OR</b></li> <li>- Capillary refill 3-4 seconds <b>OR</b></li> <li>- Mild tachycardia <b>OR</b></li> <li>- Intermittent ectopy or irregular HR (not new)</li> </ul>	<ul style="list-style-type: none"> <li>- Grey <b>OR</b></li> <li>- Capillary refill 4-5 seconds <b>OR</b></li> <li>- Moderate tachycardia</li> </ul>	<ul style="list-style-type: none"> <li>- Grey and mottled <b>OR</b></li> <li>- Capillary refill <math>&gt; 5</math> seconds <b>OR</b></li> <li>- Severe tachycardia <b>OR</b></li> <li>- New onset bradycardia <b>OR</b></li> <li>- New onset/increase in ectopy, irregular HR or heart block</li> </ul>
<b>Respiratory</b>	<ul style="list-style-type: none"> <li>- Within normal parameters</li> <li>- No retractions</li> </ul>	<ul style="list-style-type: none"> <li>- Mild tachypnea/increased WOB (flaring, retracting) <b>OR</b></li> <li>- Up to 40% supplemental oxygen <b>OR</b></li> <li>- Up to 1L NC <math>&gt;</math> patient's baseline need <b>OR</b></li> <li>- Mild desaturations <math>&lt;</math> patient's baseline <b>OR</b></li> <li>- Intermittent apnea self-resolving</li> </ul>	<ul style="list-style-type: none"> <li>- Moderate tachypnea/increased WOB (i.e. flaring, retracting, grunting, use of accessory muscles) <b>OR</b></li> <li>- 40-60% oxygen via mask <b>OR</b></li> <li>- 1-2 L NC <math>&gt;</math> patient's baseline need <b>OR</b></li> <li>- Nebs Q 1-2 hour <b>OR</b></li> <li>- Moderate desaturations <math>&lt;</math> patient's baseline <b>OR</b></li> <li>- Apnea requiring repositioning or stimulation</li> </ul>	<ul style="list-style-type: none"> <li>- Severe tachypnea <b>OR</b></li> <li>- RR <math>&lt;</math> normal for age <b>OR</b></li> <li>- Severe increased WOB (i.e. head bobbing, paradoxical breathing) <b>OR</b></li> <li>- <math>&gt; 60\%</math> oxygen via mask <b>OR</b></li> <li>- <math>&gt; 2</math> L NC more than patient's baseline need <b>OR</b></li> <li>- Nebs Q 30 minutes - 1 hour <b>OR</b></li> <li>- Severe desaturations <math>&lt;</math> patient's baseline <b>OR</b></li> <li>- Apnea requiring interventions other than repositioning or stimulation</li> </ul>
<b>Staff Concern</b>		- Concerned		
<b>Family Concern</b>		- Concerned or absent		

Green = Score 0-2	Yellow = Score 3-4	Red = Score 5-11
<ul style="list-style-type: none"> <li>- Continue Routine Assessments</li> </ul>	<ul style="list-style-type: none"> <li>- Notify charge nurse or LIP</li> <li>- Discuss treatment plan with team</li> <li>- Consider higher level of care</li> <li>- Increase frequency of vital signs / CHEWS / assessments</li> <li>- Document interventions and notifications</li> </ul>	<ul style="list-style-type: none"> <li>- Activate Rapid Response Team or appropriate personnel per unit standard for bedside evaluation</li> <li>- Notify attending physician</li> <li>- Discuss treatment plan with team</li> <li>- Increase frequency of vital signs / CHEWS / assessments</li> <li>- Document interventions and notifications</li> </ul>

**A PEDIATRIC CODE CAN BE ACTIVATED AT ANYTIME BY ANYONE**  
Use SBAR communication

**Reference:** McLellan, M.C., et al., Validation of the Children's Hospital Early Warning System for Critical Deterioration Recognition. *Journal of Pediatric Nursing* (2016), <http://dx.doi.org/10.1016/j.pedn.2016.10.005>

	Circle the appropriate score for this category:
Cardiovascular	<input checked="" type="radio"/> 0    1    2    3

	Circle the appropriate score for this category:
Respiratory	0 1 2 3
Staff Concern	1 pt <u>Concerned</u>
Family Concern	1 pt <u>Concerned</u> or absent
<b>CHEWS Total Score</b>	
CHEWS Total Score	Total Score (points) <u>2</u>
	Score 0-2 (Green) – Continue routine assessments
	Score 3-4 (Yellow) – Notify charge nurse or LIP, Discuss treatment plan with team, Consider higher level of care, Increase frequency of vital signs/CHEWS/assessments, Document interventions and notifications
	Score 5-11 (Red) – Activate Rapid Response Team or appropriate personnel per unit standard for bedside evaluation, Notify attending physician, Discuss treatment plan with team, Increase frequency of vital signs/CHEWS/assessments, Document interventions and notifications

Student Name: \_\_\_\_\_

Unit: \_\_\_\_\_

Pt. Initials: \_\_\_\_\_

Date: \_\_\_\_\_

**Pediatric Medication Worksheet – Current Medications & PRN for Last 24 Hours**

Allergies: \_\_\_\_\_

Primary IV Fluid and Infusion Rate (ml/hr)	Circle IVF Type	Rationale for IVF	Lab Values to Assess Related to IVF	Contraindications/Complications
	Isotonic/ Hypotonic/ Hypertonic			

Generic Name	Pharmacologic Classification	Therapeutic Reason	Dose, Route & Schedule	Therapeutic Range?	IVP – List diluent solution, volume, and rate of administration  IVPB – List concentration and rate of administration	Adverse Effects	Appropriate Nursing Assessment, Teaching, Interventions (Precautions/Contraindications, Etc.)
				Is med in therapeutic range?			
				If not, why?			
Acetaminophen	Analgesics	Pain	270mg IV q 6H	270mg - 1350mg Yes	0.9% NS, 27ml, over 15 mins	Nausea, vomiting, constipation	<ol style="list-style-type: none"> <li>1. Encourage fluids for constipation</li> <li>2. Teach to move slowly to avoid nausea</li> <li>3. Monitor pain level</li> <li>4. Do deep breathing to help with vomiting</li> </ol>
							<ol style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>
							<ol style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>
							<ol style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>
							<ol style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> </ol>