Review **assessment, interventions, monitoring, and care** for conditions commonly encountered in pediatric nursing, including

- Child abuse, assessment
- Cystic fibrosis, dietary implications
- Hypoglycemia
- Ketoacidosis
- Opioid toxicity
- Pressure ulcer, staging
- Respiratory arrest
- Septic shock, assessment
- Sickle cell crisis, priorities
- Viral meningitis, managing the environment

Review action, preparation, monitoring, and precautions related to **medications** commonly used in pediatric care, such as

- Acetaminophen (Tylenol®), calculation
- Cephalexin (Keflex®), calculation
- Furosemide, (Lasix®), pertinent lab values
- Gentamicin (Garamycin®), calculation, drawing trough level
- Heparin, concentration for peripheral line flush
- IM injection, infant
- Insulin
  - Sliding scale
  - Eat immediately after rapid-acting
- IV drip rate calculation
- Morphine, continuous IV drip, calculation
- Naloxone (Narcan®)
- Potassium chloride, peripheral IV, assessment
- Vancomycin (Vancocyn®), monitoring

Review principles the **treatments and procedures**, including

- Apical heart rate, infant, optimal auscultation location
- Blood administration
- Feeding tube, placement
- Fluids, calculation
- Pain management

Review **cardiac rhythm strip interpretation**, including
  - Supraventricular tachycardia
  - Ventricular tachycardia

Review **laboratory results** commonly encountered in pediatrics, such as
  - Peaks and troughs
  - Serum potassium, significance with furosemide

Review **growth and development** as it pertains to delivering nursing care, such as
  - Dressing change, 2-year-old
  - Leaving 5-year-old after he falls asleep
  - Nightmares, 2½-year-old

Review principles and practices related to **safety and infection control**, including
  - Handwashing, c diff
  - Patient identifiers
  - Prevention of CAUTI

Review principles, practice, and pertinent information related to **patient teaching**, including
  - Cleft palate repair, precautions
  - Tonsillectomy, discharge instructions
  - Use of nebulizer

Review principles and practices of **communication**, including patient satisfaction

Review **calculations**, including
  - Fluid requirements
  - mL per dose for oral liquids and parenteral medications
  - Divided doses and daily dosages
  - IV rates, mL/hr
  - IV drip rate, calculating drops per minute

  \[ Volume \text{ to be infused (mL) over 1 hour} = \text{gtts/min} \]

  \[ Drop \text{ factor constant} \]
<table>
<thead>
<tr>
<th>Common drop factors</th>
<th>Drop factor constant</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 gtt/mL - minidrip set</td>
<td>1</td>
</tr>
<tr>
<td>10 gtt/mL – regular drip set</td>
<td>6</td>
</tr>
<tr>
<td>15 gtt/mL – regular drip set</td>
<td>4</td>
</tr>
</tbody>
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