

# IM5 (Pediatrics) Critical Thinking Worksheet

Patient Age: 94 days

Patient Weight: 2.4 kg

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Unit: NICU Pt. Initials: MA

Date: 5/11/2022

<p><b>1. Disease Process &amp; Brief Pathophysiology (Identify Key Concepts to Your Patient and Include Reference):</b>                  Congenital adrenal hyperplasia is a genetic disorder in which the adrenal glands do not function properly. The disease is caused by genetic defects in the proteing and enzymes involved in cortisol biosynthesis. The most common mutation is in gene encoding the adrenal steroid 20-hydroxylase, which is an enzyme responsible for converting cholesterol to cortisol within the adrenal glands. Without this enzyme, the adrenal glands may produce too little cortisol and/or aldosterone and too much androgen.</p>	<p><b>2. Factors for the Development of the Disease/Acute Illness:</b>                  Both parents have CAH                   Both parents are carriers of the genetic defect                   Race</p>	<p><b>3. Signs and Symptoms:</b>                  Dehydration                  Hyponatremia                  Hypotension                  Vomiting                  Ambiguous Genitalia (P)                  Enlarged Genitalia (P)</p>
<p><b>4. Diagnostic Tests Pertinent or Confirming of Diagnosis:</b>                  Newborn Screen (P)                   Amniocentesis                   Physical Exam (P)                   Gene Testing                   Urine Test                   Blood Test</p>	<p><b>5. Lab Values That May Be Affected:</b>                  Aldosterone                   Cortisol                   Testosterone                   Sodium                   Potassium</p>	<p><b>6. Current Treatment (Include Procedures):</b>                  Corticosteroids                   Mineralcorticoids                   Salt Supplements</p> <p>*none started yet; pending on lab results and parents' knowledge of the diagnosis</p>

DoB: Feb. 6, 2022

Gestational Age: 37 weeks / Adjusted Gestational Age: 39 weeks

Birthweight: 4 lbs. 11 oz / 2148 grams

Current Weight 5 lbs 4 oz / 2382 grams

APGAR at Birth 10

