

<p>Student Name: <b>Meagan Britt</b></p>	<p>Unit: <b>PICU</b>      Pt. Initials: <b>MM RM16</b></p>	<p>Date: <b>4/6/2022</b></p>
<p><b>1. Disease Process &amp; Brief Pathophysiology (Identify Key Concepts to Your Patient and Include Reference):</b></p> <p>Immune thrombocytopenia (ITP) is a complex autoimmune disease characterized by low platelet counts. The pathogenesis of ITP remains unclear although both antibody-mediated and/or T cell-mediated platelet destruction are key processes. In addition, impairment of T cells, cytokine imbalances, and the contribution of the bone marrow niche have now been recognized to be important. Treatment strategies are aimed at the restoration of platelet counts compatible with adequate hemostasis rather than achieving physiological platelet counts. (P)</p>	<p><b>2. Factors for the Development of the Disease/Acute Illness:</b></p> <ul style="list-style-type: none"> <li>-Viruses (mumps, rubella, and HIV)</li> <li>-Genetic conditions</li> <li>-Heavy alcohol consumption</li> <li>-Medications (diuretics)</li> <li>-Aplastic anemia (P)</li> <li>-Cancers (leukemia and lymphoma)</li> <li>-Cancer treatments (radiation and chemotherapy)</li> </ul>	<p><b>3. Signs and Symptoms:</b></p> <ul style="list-style-type: none"> <li>-Epistaxis</li> <li>-Easy or Spontaneous Bruising (P)</li> <li>-Bleeding Gums</li> <li>-Rash</li> <li>-Heavy or Prolonged Menstrual Bleeding (P)</li> <li>-Intracranial hemorrhage</li> <li>-Blood in stool, vomit, or urine</li> </ul>
<p><b>4. Diagnostic Tests Pertinent or Confirming of Diagnosis:</b></p> <ul style="list-style-type: none"> <li>-Complete CBC (w/differential) (P)</li> <li>- "Anti-Platelet antibody test" (Blood Smear) (P)</li> <li>-Bone marrow aspiration (P)</li> <li>-Ultrasound (menstrual bleeding) (P)</li> </ul>	<p><b>5. Lab Values That May Be Affected:</b></p> <ul style="list-style-type: none"> <li>-Platelets (P)</li> <li>-Bone Marrow (P)</li> <li>-WBCs (P)</li> <li>-RBCs (P)</li> <li>-Partial thromboplastin time (P)</li> <li>-Prothrombin time (P)</li> </ul>	<p><b>6. Current Treatment (Include Procedures):</b></p> <ul style="list-style-type: none"> <li>- Rituximab (P)</li> <li>-IV Immune Globulin (Human) (P)</li> <li>-Medroxyprogesterone (P)</li> <li>-Corticosteroids</li> <li>-Anti-D</li> <li>-Splenectomy</li> </ul>