<table>
<thead>
<tr>
<th>Course objective</th>
<th>Geisel competency</th>
<th>Course Objective</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>1a,2f</td>
<td>Describe the processes of hematopoiesis</td>
</tr>
<tr>
<td>2</td>
<td>1a</td>
<td>Explain the evaluation of disorders of red blood cells and the appropriate management of these disorders</td>
</tr>
<tr>
<td>3</td>
<td>1a, 1b, 2g</td>
<td>Describe the pathophysiology, processes, risks, issues involved in transfusion medicine.</td>
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<tr>
<td>4</td>
<td>1a</td>
<td>Describe the coagulation cascade and the production of factors involved in normal hemostasis.</td>
</tr>
<tr>
<td>5</td>
<td>1a,2h</td>
<td>Discuss the evaluation of disorders of coagulation and the methods of testing and management of coagulation disorders.</td>
</tr>
<tr>
<td>6</td>
<td>1a</td>
<td>List and define the disorders of white cell number and function</td>
</tr>
<tr>
<td>7</td>
<td>1a,2h</td>
<td>Explain the evaluation and management of disorders of white cell number and function.</td>
</tr>
<tr>
<td>8</td>
<td>1a,2h</td>
<td>Explain the evaluation and management of hematopoietic neoplasias.</td>
</tr>
<tr>
<td>9</td>
<td>1a, 1b</td>
<td>Describe the mechanisms of action of chemotherapeutic agents, their complications and the process of developing resistance.</td>
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<tr>
<td>10</td>
<td>1a,1f</td>
<td>Discuss the issues involved in bone marrow transplantation, including medical, psychological, and ethical concerns.</td>
</tr>
<tr>
<td>11</td>
<td>3f, 3g, 3h</td>
<td>Communicate effectively with fellow students and faculty collegially, including teaching and helping to evaluate peers.</td>
</tr>
<tr>
<td>12</td>
<td>3f, 3g, 3h</td>
<td>Communicate effectively with fellow students and faculty about patients with hematologic disease.</td>
</tr>
<tr>
<td>13</td>
<td>4h</td>
<td>Take responsibility for his- or her- own medical education</td>
</tr>
<tr>
<td>14</td>
<td>4h, 5a, 5b</td>
<td>Search efficiently for and obtain recent, high quality, relevant medical information and scientific literature to solve problems.</td>
</tr>
<tr>
<td>15</td>
<td>4h, 5a, 5b</td>
<td>Read critically, evaluate, and assess medical information and scientific literature about important topics and questions.</td>
</tr>
<tr>
<td>16</td>
<td>3f, 3g, 3h</td>
<td>To behave respectfully and responsibly towards colleagues and faculty at all times.</td>
</tr>
<tr>
<td>17</td>
<td>1e, 1f, 2a, 4a,</td>
<td>Discuss the physical, social, financial, and psychological impact of being diagnosed and treated with a malignancy or blood disorder.</td>
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<tr>
<td></td>
<td>4e</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>2a, 2b, 3a, 3b</td>
<td>Interact with patients and families with compassion and respect.</td>
</tr>
<tr>
<td>19</td>
<td>6c</td>
<td>Identify and analyze evidence-based, cost-conscious treatment strategies.</td>
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<tr>
<td>20</td>
<td>6d,6e,6f,6j</td>
<td>To describe the complexities of care for patients with severe illness, how healthcare is currently organized, financed, and delivered and the physicians role in advocating for patients.</td>
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</tbody>
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