ODESA NATIONAL MEDICAL UNIVERSITY
Department of Internal Medicine №4

APPROVED
Head of the department
_______ prof. Zolotaryova N.A.
September 29, 2021

Methodical elaboration for SIW
for 6th year students, foreign faculty
Academic discipline: "Internal Medicine"


SIW developed by:
Candidate of Medical Sciences,
Associate Professor
___________ O. V. Solomko

Methodical elaboration was discussed at the
meeting of the department
Protocol No. 2

Odesa-2021
Topic 33.1: Management of patients with Purpura*

1. Define Thrombocytopenic Purpura, one of the diseases or syndromes most often found in hematology, which can provoke many serious conditions, met by doctors.

2. Write down:
- Which bone marrow stem cells form and develop in thrombopoiesis?
- From which cells derive mature platelets?

3. Fill in the blanks

<table>
<thead>
<tr>
<th>Skin Lesion</th>
<th>Peculiarities</th>
<th>Characteristic of which diseases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecchymoses (Hematomae)</td>
<td>Massive deep hemorrhages few days after microtraumas</td>
<td>Thrombocytopenic Purpura, Glanzmann's Thromboasthenia, other thrombopathies</td>
</tr>
<tr>
<td>Petechaie</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixed Purpurae-Petechiae</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vascular-Purpural</td>
<td>Symmetric exudative-hemorrhagic rash, pruritic</td>
<td></td>
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<td>Angiomatous</td>
<td>Hemangiectasis</td>
<td></td>
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* Homework assignment is written by Kolucha S.V., translation by Evdocymova T.B., Department of Internal Medicine #4
4. Complete the following table: Severity degrees of Thrombocytopenia

<table>
<thead>
<tr>
<th>Degree</th>
<th>Platelet Count</th>
<th>Likelihood of Bleeding</th>
</tr>
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<tbody>
<tr>
<td>Mild</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Severe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Very Severe</td>
<td></td>
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</table>

5. To which type of Bleeding Diathesis belongs this skin rash? With what type of Purpura should it be differentiated?

6. What is the role played by the spleen in the pathogenesis of Hemorrhagic Syndrome?

7. Which disease, do you think, is the reason for this Petechial-Pustular Rash? Which conditions should be included in the differential diagnosis?
8. Name the diseases causing inhibition of platelet formation
- Hypoplastic and Aplastic Anemia
- 
- 
- 
- 
- 
- 
- 
- 

9. Name the main methods for the laboratory diagnosis of thrombocytopenia
- Platelet count in peripheral blood
- 
- 
- 
- 

10. Drugs and treatment methods for the management of Thrombocytopenic Purpura (Werlhof's disease)
- Glucocorticoids
- 
- 
- 
-
### 1. Fill in the blanks

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### 2. Complete the pathogenesis of Bleeding Diathesis

A) Bleeding diathesis due to violation of _________________________ (thrombocytopenia and thrombocytopathy)
B) Bleeding diathesis due to disorders of _________________________ (coagulopathy)
C) Bleeding diathesis due to disorders of _________________________ and _________________________ stasis
D) Bleeding diathesis due to primary lesions of _________________________ (vasopathies).

### 3. Fill in the disease accompanied by Secondary Hemorrhagic Syndromes

Cardiovascular: Collagenoses (SLE, RA, Dematomyositis, etc.)
Neoplastic: ___________________________________________________________
Liver Diseases: _______________________________________________________
Kidney Diseases: ______________________________________________________
Obstetric Pathologies: ________________________________________________
Infectious-Toxic: _____________________________________________________
Endocrine: ___________________________________________________________
Side effects of drugs: ________________________________________________

### 4. Fill in the following table with the following medicines:

Azathioprine, Factor VIII (Antihemophilic globulin B), Cyclophosphamide, Methylprednisolone, Concentrated Factor VIII - IX, Curantil (Dypiridamole), Prednisolone, Plaquentil, Meloxicam, Acelofenac, Vincristine, Timaline, Cryoprecipitate, antihemophilic Plasma, Ibuprofen, Aminocaproic Acid, Thrombocytic mass, Movalis, Nimesil, Prothrombin Complex Concentrate, Ketoprofen, Protein C Concentrate, Para-aminobenzoic Acid, Splenin, T-Activin, Ticlopidine, Heparin, Solu-Medrol, Clopidogrel

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<thead>
<tr>
<th>Inhibitors of Fibrinolysis</th>
<th>Glucocorticoids, NSAIDs</th>
<th>Immunosuppressants, Immunomodulators</th>
<th>Antiplatelet, Anticoagulants</th>
<th>Blood Components</th>
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