

THROMBOCYTOPENIA ROLE IN PLATELETS

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ABSTRACT

Platelets have different types of disorders, thrombocytopenia is one of the disorder which occurs to platelets. Platelets also called as thrombocytes, which have the capable of that stick together to help to clot the blood. If the platelets are not in enough amount it leads to health issues like internal bleeding . This article presents overview of how plateles plays a vital role in human immune system.

Keywords: platelets,health,thrombocytes.

1. INTRODUCTION

Blood contains three types of cells, they are RBC, WBC and platelets. Platelets are produced in bone marrow(spongy tissue inside bone marrow). For a normal count of platelets of a human being should be present between 1,50,000 to 4,00,000. If they are not in enough amount it leads:

- Blood disorders/ diseases that effects bone marrow, called asplatic anemia.
- Or it leads to internal bleeding of blood inside the tissues which shows on the upper/ external skin like reddish or purplish colored marks which is called as purpura.
- May be it leads to cancer such as leukemia or lymphoma which leads to damage the bone marrow.

2. SYMPTOMS

1. It shows the symptoms like purpura or internal bleeding.

2. Sometimes people may bleed outside or inside your body or it can lead to be heavy or hard to stop.
3. Some people get nose bleeds or bleeding gums.
4. May be some gets blood in urine or bowel movement.
5. Headaches and for ladies it leads to heavy menstrual periods.
6. Tiny red or purple spots on your skin, called petachiae.

3. TREATMENT

If the person have the symptom which are given above doctor should instructs the diagnosis of ITP (idiopathic thrombocytopenia purpura), bone marrow, biopsy and CBP (total platelet count).And it confirmed as thrombocytopenia, the doctors uses to treat the patient by injecting more platelets and gives some steroids and antiacidants.The patient may be cured within a month or two months by using the medicine prescribed by doctor.

4. CONCLUSION

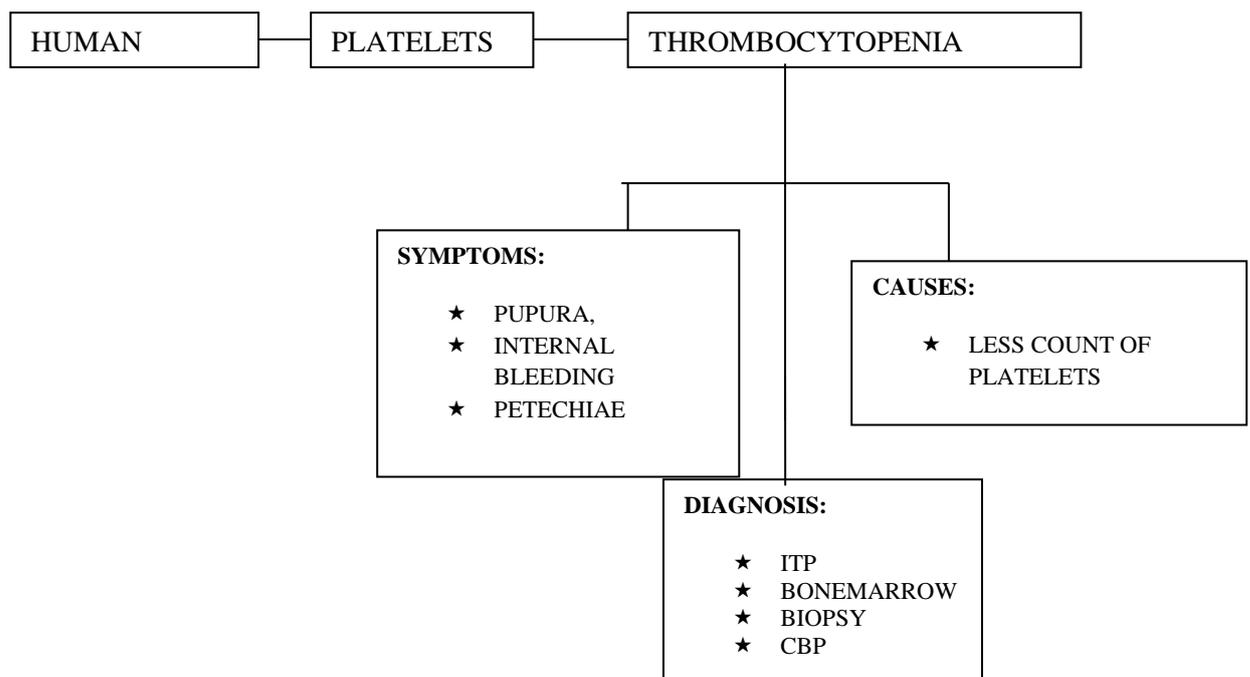
Some doctors may prefer for the chemotherapy or radiation treatment for cancer like leukemia or lymphoma that destroys the stem cells that form platelets. So this type of treatment may lead to some more dangerous in decreasing of platelets.

5. ENCHANCEMENTS

❖ In early stages of this disorder can't be noticed because, the less count of platelets may also leads to dengue, HIV also. So the doctors can't confirm it in early stages.

- ❖ But if it in last stages up to that patient may gets lots of internal bleeding and external bleeding.
- ❖ Sometimes it leads to death in under developed or backward people who are quite away of having knowledge to consult a doctor.
- ❖ And now-a-days this problem getting more frequent in everyone due to unhealthy dietary sources.
- ❖ So the doctors have much more responsible to detect the counts of low level platelet counts which leads to different type of disorders and not in final stages.

6. SUMMARY OF THIS ARTICLE



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