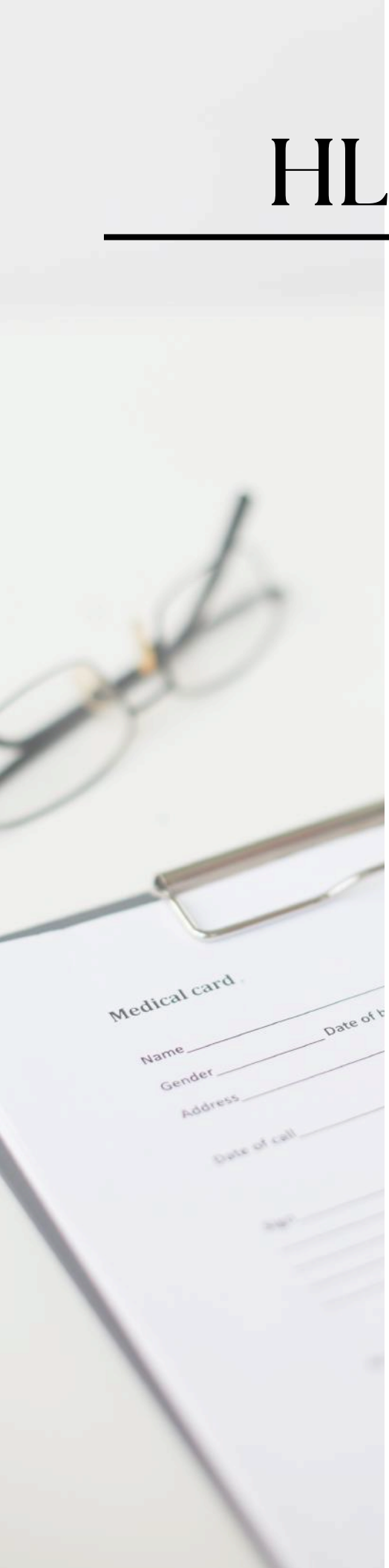
HLS- Physiology



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Lecture 1

Blood Composition Function and Viscosity

HLS- Physiology

Lecture 1

1)Erythropoietin hormone is produced by ?

a . Liver .b .Spleen .

d . Liver and kidney .

e . Bone marrow .

Ans :d

2) reticulocyte index = 18 % and Hct = 15 %. What is the most explanation for this ?

a . A is anemic but B is not .

b . The bone marrow of both A and B is not working sufficiently .

c . A and B are normal .

d . Bone marrow of A is working sufficiently but B is not .

e . Bone marrow of anemic B is working sufficiently but bone marrow of anemic A is not .

Ans:e

3) hematopoiesis in adult occur in :

red bone marrow

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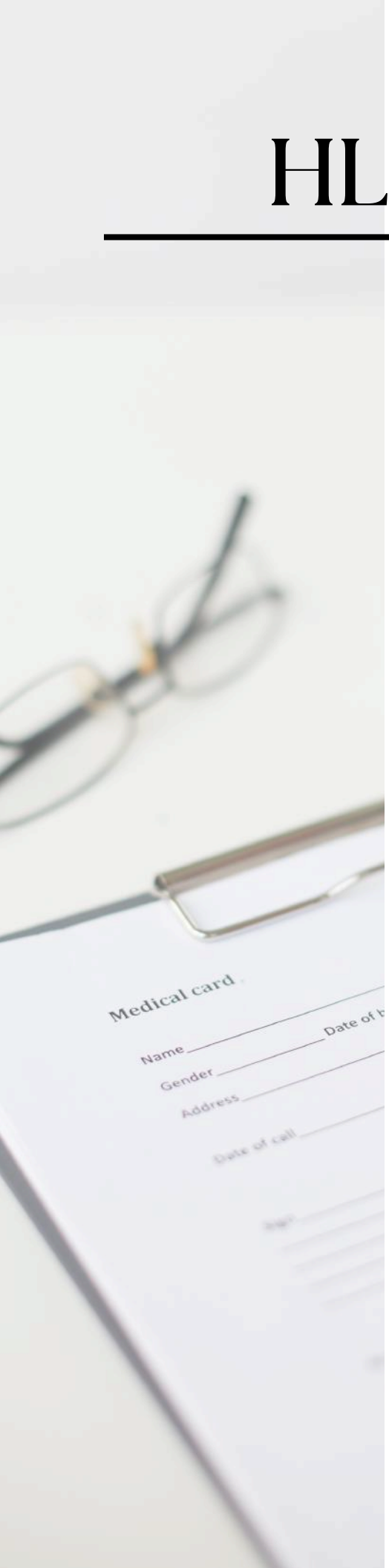

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Lecture 2

Iron metabolism and anemia

HLS- Physiology Lecture 2

1- All the following are true about iron deficiency anemia EXCEPT ?
a . Microcytic hypochromic RBCs .
b . Low hemoglobin .
c . Low serum iron .
d . Low serum ferritin .
e . Low serum soluble transferrin receptors .

Ans : e

2- Anemia associated with low reticulocytes includes all of the following EXCEPT ?
a .Hemolytic anemia .
b . Iron deficiency anemia .
c . Vitamin B 12 deficiency anemia .
d . Folic acid deficiency anemia .
e . Aplastic anemia .

Ans :a

3- values were Hb 11 .5 g /dL , Hot 35 %, MCV 92 fL and reticulocytes 5%. Total bilirubin and LDH was high . Haptoglobin was low . What is the most likely explanation for this case ?
a . Hemolytic anemia .
b . Iron deficiency anemia .
c . B 12 deficiency .
d . Sideroblastic anemia .
e . Renal failure .

Ans:a

4- One the following not associated with intravascular hemolysis
A -cold antibody
B -iron deficiency anemia
C -hemoglobinemia
D -Hemosiderinuria
E -Hemoglobinuria

Ans :a

HLS- Physiology Lecture 2

5 -Anemia with high ferritin and low serum iron and low TIBC ?
-chronic inflammation anemia.

6- Anemia of chronic inflammation :
A)low FE
B)low TIBC
C)microcytic
D)high ferretin
E)transfusion therapy