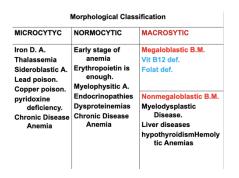
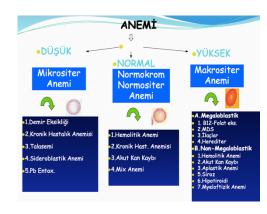
Anemia







- Anemia is a lower-than-normal erythrocyte count or hemoglobin level.
- Anemia is a finding, never a diagnosis of disease.

When evaluating anemia

- 1st History: Birth and after: Requires assessment of nutrition, development, degree and duration of symptoms, history, family history.
- 2nd physical exam
- 3rd hemogram
 - MCV lower limit: 70+ years (1 year-10 years old)
 - o upper limit is 80 + 0.6 for each age.
 - o leukocyte and platelet values are also important to reveal the cause of alcoma dings:

Clinical findings:

- Change according to whether the anemia is a velocity chronic
- Acute anemia can be seen as:
 - o restlessness, agitation, achycardia and heart fulure
 - Anemis tables hay present with (e) essness and loss of appetite.
- Symptoms may be milder in chrolic anemia: due to compensatory mechanisms.
- In mild to moderate anemia with a hemoglobin level of 6-10 g/dL, only restlessness, loss of appetite and weakness can be seen.
- Also tachycardia, cardiac dilatation, heart murmur, pain in the legs, anorexia (growth retardation), pica, pagophagia, angular stomatitis, atrophic glossitis,
- decrease in gastric acidity, exudative enteropathy, malabsorption,
- pain in the musculoskeletal system, easy breakage of nails and hair, spoon nail,
- atrophy of tongue papillae, flat and shiny tongue, decrease in physical performance,
- increased susceptibility to infections, T lymphocyte dysfunction, Decreased leukocyte transformation,
 Decreased leukocyte killing functions, decreased leukocyte myeloperoxidosis, decreased skin hypersensitivity,
- blue sclera,
- tissue ID affects neurological and mental functions such as attention deficit, restlessness, learning difficulties, even if there is no anemia.
- In advanced stages, fainting, ventricular hypertrophy and dilatation may be observed as complications. The progression of hypoxia may lead to angina attacks and myocardial infarction, and heart failure may develop.

Also - Peripheral smear

- Reticulocyte count
- Coomps test
- Osmotic fragility