Regenerative Anemia

(Reticulocyte count > 80,000-100,000)

Blood loss

↓ Total protein

- External loss/trauma
- Surgical loss
- Internal loss
  - GI
  - Urinary
  - Respiratory
- Coagulopathy

Hemolysis

Normal to ↑ Total protein

Immune Mediated

primary IMHA

Secondary IMHA
- drugs
- Neoplasia
- infection
- vaccines??

Non-immune Mediated

Infectious/RBC parasites

Oxidative injury/ Heinz body formation
- acetaminophen

Onion/garlic toxin

Zinc toxicity

Hypophosphatemia

Microangiopathic disease

Inherited RBC disorders
- PK/PFK deficiency

Envenomation