A microscopic view of a blood smear showing numerous red blood cells (erythrocytes) stained with a purple dye. The cells are generally spherical and vary in size and color intensity. Some cells appear pale, which is consistent with the case of anemia mentioned in the text. The background is a light, slightly bluish-purple hue.

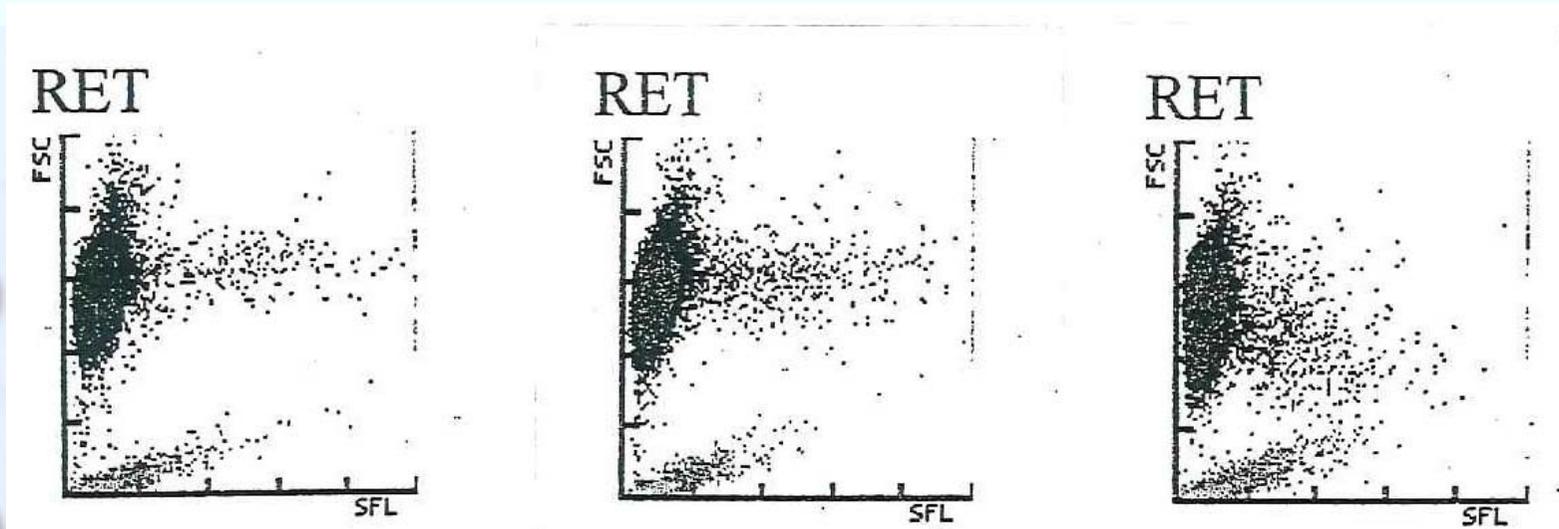
A case of anemia in a young boxer

C. Trumel, A. Geffré, M. Ginder

Signalment and History

- Devi is a 6 months old female Boxer
- Up to date on vaccination and deworming
- Acute diarrhea for 10 days after eating garbage
 - In the stool: plastic bag pieces
 - mucous membranes are pale but otherwise healthy
- Symptomatic treatment but ...
 - Chronic diarrhea and deterioration of palor

Initial diagnostics

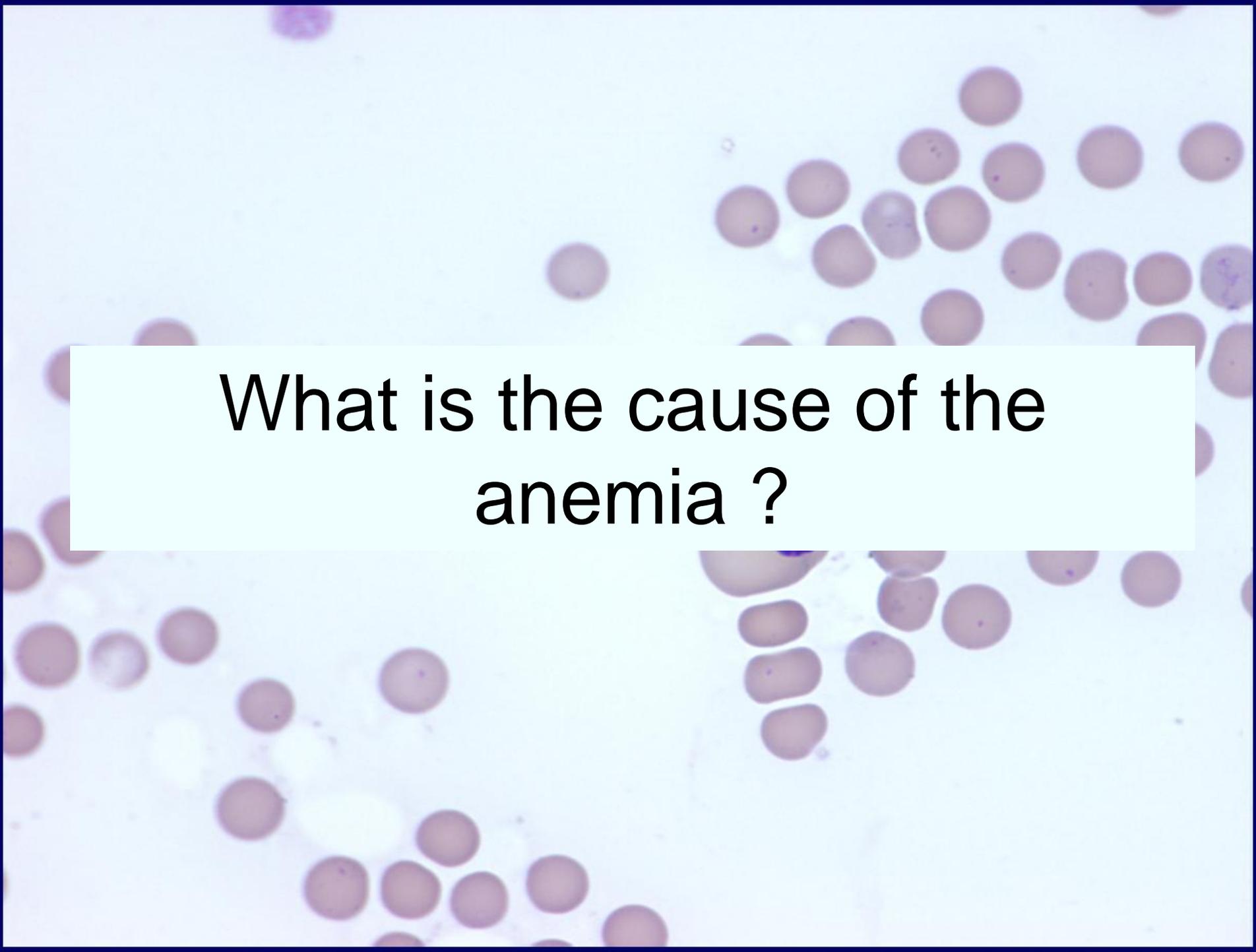


Sysmex XT-2000iV scattergram

- Fecal flotation
 - Negative
- Abdominal x-rays
 - Diagnostic for generalized ileus
- Abdominal ultrasound
 - Supportive of colitis
- CBC
 - D1 : Hgb 12,4 g/dl, MCV 65,2 fl, MCH 22,6 g/dl, reticulocytes $0,0703 \cdot 10^6/\mu\text{l}$
 - D15 : Hgb 11,9 g/dl, MCV 67,7 fl, MCH 23,2 g/dl, reticulocytes $0,1183 \cdot 10^6/\mu\text{l}$
 - D30 : Hgb 10,2 g/dl, MCV 63,5 fl, MCH 20,9 g/dl, reticulocytes $0,1298 \cdot 10^6/\mu\text{l}$

Diagnostics continued ...

- As diarrhea continued
 - With non specific treatment
- As hemoglobin concentration decreased
- On day 30, endoscopic evaluation and large intestinal biopsy
 - Histiocytic colitis



**What is the cause of the
anemia ?**