What is the sickle cell anemia

a type of disease characterized by production of defective hemoglobin, HBA composed of two like pairs of globin chains, each with its own heme group. Normal adult red cells contain mainly HbA ($\alpha_2\beta_2$), Sickle cell anemia is caused by a point mutation at the sixth position of the $\beta$-globin chain(1).

The manifestations of SCD (1)

✓ painful bone crises (in children)
✓ Frequent infection e.g. (spleen)
✓ swelling of hands and feet
✓ Episodes of pain (crises)
✓ Vision problems
✓ Delayed growth
✓ Chronic hypoxia
✓ Vision problems
✓ Sever anemia
✓ Fever

The oral manifestations of SCD

✓ Dental Caries
✓ pallor of the o.c
✓ Hypodontia
✓ malocclusion
✓ periodontist
✓ Pulp necrosis

The conclusion

SCD is an inherited of anemia, the manifestation of this disease effect all the body, and characterized by Sever anemia and crises

References