Acrodermatitis enteropathica is a well-known disease, especially in pediatric and dermatology clinics. This rare disease is caused by an inability to absorb sufficient zinc from the diet (1). Initial signs and symptoms begin in the early period of life. The cutaneous eruptions consist of vesiculobullous, eczematous, dry, scaly, or psoriasiform skin lesions symmetrically distributed in the perioral, acral, and perineal areas (2). Diagnosis is established through a constellation of clinical findings and via the detection of a low plasma zinc concentration levels.

An 18-month-old girl was admitted with diarrhoea, failure to thrive, severe photophobia and abnormal vision. Diarrhoea had persisted since the age of six months. She was breast fed in the first year and provided with supplemental formulas thereafter. She was the fourth child of healthy and consanguineous parents. The other children were healthy. She had been hospitalized ten times since birth because of recurrent diarrhoea, fever, and dehydration. On admission, she weighed 8 kg (< 5th percentile for age and gender) and her height was 75 cm (< 5th percentile for age and gender). Physical examination revealed that she had cool and pale skin with erythematous and psoriasiform skin lesions symmetrically distributed in the perioral, acral, and perineal areas, ocular lesions with bilateral conjunctivitis, cataract in the left eye, total alopecia with loss of eyebrows, and sparse eye lashes (Figure 1 and 2). Laboratory analysis revealed that haemoglobin was found to be 7.9 g/dL (normal for age 11.5-15.5 g/dL); haematocrit 24% (normal for age 35-45); mean corpuscular volume (MCV) 55 µm³ (normal 70-85 µm³); red cell distribution 22% (normal 11%); calcium total 7.9 mg/dl (normal for age 8.8-10.8 mg/dL); folate 0.7 ng/mL (normal for age 1.8-9 ng/mL);
serum iron 11 µg/dL (normal 20-180 µg/dL); iron-
binding capacity 490 µg/dL (normal for age 250-400
µg/dL); magnesium 1.8 mg/dL (normal 1.5-2.5 mg/dL);
and zinc (in serum) 4 µg/dL (normal 64-118 µg/dL).

Acrodermatitis enteropathica was diagnosed together
with the clinical and laboratory findings.

Our case has the most prominent manifestations of
acrodermatitis enteropathica consisting of diarrhoea,
psoriasiform skin lesions, ophthalmological findings and
low plasma zinc concentration. The most ocular
manifestations of acrodermatitis enteropathica are
photophobia, conjunctivitis, blepharitis, and corneal
distrophy. However, cataracts are a rarely reported ocular
manifestation in acrodermatitis enteropathica (3,4), and
a cataract was found in the left eye of our case (Figure 1).
Skin lesions, conjunctivitis, and plasma zinc levels were
improved by zinc sulphate replacement of 50 mg twice a
day over six months, but the cataract has remained.

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