Genes, diet and immune system interactions in Celiac disease

HLA DQ2/DQ8

Local/Mucosal
- Diarrhea
- Malabsorption
- Mouth ulcers
- Enamel hypoplasia

Systemic
- Osteopenia
- Ataxia
- Depression
- Delayed puberty
- DH

Nutritional
- Malnutrition
- Vitamin D Deficiency
- Iron deficiency
- Short stature

Autoimmune proclivity
- Endocrinopathy

Gluten
Wheat, barley, rye