INCREASED RISK OF COELIAC DISEASE?

Regular wheat, rye, or barley (gluten) intake

NO

Prepared to eat gluten

NO

HLA DQ gene test:

DQA1*05 or
DQB1*02 or
DQB1*0302

YES

YES

High risk features:
- Iron deficiency
- Anaemia
- Diarrhoea
- Age <4-years old

NEG

Serology

Gluten challenge

YES

NO

NOT Coeliac disease

POS

NO

YES

NOT Coeliac disease

Gastroscopy and biopsies of small intestine

Inconsistent test results i.e. serology abnormal and histology not Marsh 3

Villous atrophy, crypt hyperplasia and intra-epithelial lymphocytosis (Marsh 3)

Normal histology And normal serology

Specialist review & HLA DQ gene test

Coeliac disease

Strict gluten free diet; confirm clinical recovery & normalization of pathology. Consider repeat gastroscopy & biopsy ~1yr