

## Clinician Management Resource for *CDH1* (Hereditary diffuse gastric cancer)

This overview of clinical management guidelines is based on this patient's positive test result for a *CDH1* gene mutation. Please consult the referenced guideline for complete details and further information.

Clinical correlation with the patient's past medical history, treatments, surgeries and family history may lead to changes in clinical management decisions; therefore, other management recommendations may be considered. Genetic testing results and medical society guidelines help inform medical management decisions but do not constitute formal recommendations. Discussions of medical management decisions and individualized treatment plans should be made in consultation between each patient and his or her healthcare provider, and may change over time.

SCREENING/SURGICAL CONSIDERATIONS	AGE TO START	FREQUENCY
<b>Gastric Cancer<sup>1-4</sup></b>		
Prophylactic gastrectomy is recommended. <ul style="list-style-type: none"> <li>▪ Baseline endoscopy prior to gastrectomy</li> <li>▪ Intraoperative frozen sections should be performed to ensure complete removal of gastric tissue</li> <li>▪ A D2 lymph node dissection is not necessary</li> <li>▪ Not recommended under 18 years of age, but may be considered for certain patients (i.e. family history of gastric cancer diagnosed under age 25)</li> </ul>	Between 18-40 years old	N/A
Patients who elect not to undergo prophylactic gastrectomy should be offered upper endoscopy with multiple random biopsies	Individualized	Every 6-12 months
<b>Female Breast Cancer<sup>2</sup></b>		
Breast Screening <ul style="list-style-type: none"> <li>▪ Mammography with consideration of tomosynthesis</li> <li>▪ Consider breast MRI with contrast</li> </ul>	30 years old, or 5-10 years before the earliest known breast cancer in the family	Every 12 months
For consideration of risk-reducing mastectomy, manage based on family history	Individualized	N/A
<b>Colorectal Cancer<sup>3</sup></b>		
Colonoscopy	40 years old	Individualized

1. Van der Post RS, *et al.* Hereditary diffuse gastric cancer: updated clinical guidelines with an emphasis on germline *CDH1* mutation carriers. *J Med Genet.* 2015;52(6):361-374.
2. Oliveira C, . Familial gastric cancer: genetic susceptibility, pathology, and implications for management. *Lancet Oncol.* 2015;16(2):e60-e70.
3. Syngal S, *et al.* ACG Clinical Guideline: Genetic Testing and Management of Hereditary Gastrointestinal Cancer Syndromes. *Am. J. Gastroenterol.* 2015 Feb; 110(2):223-262.
4. Kluij I, *et al.* Familial gastric cancer: guidelines for diagnosis, treatment and periodic surveillance. *Fam Cancer.* 2012;11(3):363-369.