ABSTRACT ID: EG1277166

TÍTULO: Immunophenotypes of stomach epithelial dysplasia are related to its biological aggressiveness

OBJECTIVO:

INTRODUÇÃO: Gastric dysplasia is classified as gastric/foveolar or intestinal/adenomatous according to morphological features. Immunophenotypic classification of dysplasia recognizes intestinal (MUC2, CD10, and CDX2), gastric (MUC5AC and/or MUC6), hybrid or null types.

MATERIAL E MÉTODOS: Sixty-six cases of nonpolypoid epithelial dysplasia of the stomach were classified by morphology and immu-
nophenotype. Immunohistochemistry was performed with MUC2, MUC5AC, MUC6, CD10, CDX2, chromogranin, synaptophysin, Ki-67, TP53 and HER2 antibodies. HER2 was also analyzed by SISH.

RESULTADOS: By conventional histology, dysplasia was classified as intestinal (64%) or gastric (36%) and as low (56%) or high grade (44%). Immunphenotypic classification showed intestinal (33%), gastric (38%), hybrid (28%) or null (3%) types. Coexistent intramucosal carcinoma was seen in 30% of cases. Intestinal immunphenotype was significantly associated with low-grade dysplasia, high expression of CDX2, TP53, synaptophysin and chromogranin. Gastric immunphenotype was significantly associated with high-grade dysplasia, high Ki-67 index and presence of intramucosal carcinoma. HER2 amplification was observed in 3 gastric or hybrid cases.

DISCUSSÃO: Epithelial nonpolypoid dysplasia of the stomach with gastric immunphenotype shows features of biological aggressiveness and may represent the putative precursor lesion in a pathway of gastric carcinogenesis originated de novo from native gastric mucosa, leading to gastric adenocarcinoma with gastric differentiation.

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