



## The 2010 WHO classification of digestive neuroendocrine neoplasms: a critical appraisal four years after its introduction.

<https://arctichealth.org/en/permalink/ahliterature260854>

Author: G. Rindi  
G. Petrone  
F. Inzani

Source: Endocr Pathol. 2014 Jun;25(2):186-92

Date: Jun-2014

Language: English

Publication Type: Article

Keywords: Digestive System Neoplasms - classification  
Humans  
Neoplasm Grading - standards  
Neoplasm Staging - standards  
Neuroendocrine Tumors - classification  
World Health Organization

Abstract: This paper briefly illustrates the basis, rules of application, and present outcome of the current World Health Organization (WHO) classification for neuroendocrine neoplasms. Established in 2010 upon the proposal from the European Neuroendocrine Tumor Society (ENETS), the WHO 2010 fostered some definitional changes (most notably the use of neuroendocrine tumor (NET) instead of carcinoid) and indicated the tools of grading and staging. Specific rules for its application were also defined. The data generated from the use of WHO 2010 classification substantially endorsed its rules and prognostic efficacy. In addition, the application demonstrated some issues, among which are the possible re-definition of the cutoff for grading G1 vs G2, as well as the possible identification of cases with somewhat different clinical behavior within the G3 neuroendocrine cancer class. Overall, since the recent introduction of WHO 2010 grading and staging, it appears wise to keep the current descriptors to avoid unnecessary confusion and to generate comparable data. Homogenous data on large series are ultimately needed to solve such issues.

PubMed ID: 24699927 [View in PubMed](#) 