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**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 63313

**Manuscript Type:** REVIEW

## Histone methylation in pancreatic cancer and its clinical implications

Histone methylation in pancreatic cancer

### Abstract

Pancreatic cancer (PC) is an aggressive human cancer type. According to current researches, appropriate methods of diagnosis and treatment of PC at the genetic level have not been found. Therefore, epigenetics turns to be a promising direction in the research of PC. Histone methylation is one of the most complicated parts among epigenetic modifications and a reversible process regulated by readers, writers and erasers. This review focuses on the regulatory mechanism, diagnosis, and chemotherapy of histone methylation and what is expected based on future epigenetic research in PC. Some writers and erasers, which are expressed differently in PC cells





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