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Early Epigenetic Markers for Precision Medicine

<https://pubmed.ncbi.nlm.nih.gov/30178243>

Over the last years, epigenetic changes, including DNA methylation and histone modifications detected in early tumorigenesis and cancer progression, have been proposed as biomarkers for cancer detection, tumor prognosis, and prediction to treatment response. Importantly for ...

Cited by: 8 Author: Ramona G Dumitrescu

Publish Year: 2018

<sup>[PDF]</sup>Epigenetic Biomarkers for Early Esophageal Cancer ...

<https://www.ijser.net/archive/v4i5/SUB154286.pdf>

Abstract: Esophageal cancer mortality in North East India is strongly associated with the predominant diagnosis of late stage lesions that hampers effective therapy. Molecular biomarkers for early detection of esophageal cancer are an area of utmost concern in order to

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<https://pubmed.ncbi.nlm.nih.gov/33423164>  
The mutational frequency of these genes ranges from 50 to 98% in PC. The nature of **mutation diagnosis** is mostly homozygous deletion, point **mutation**, and aberrant methylation. In addition to **genetic modification**, **epigenetic** alterations particularly aberrant hypermethylation and hypomethylation also predispose patients to PC.  
Cited by: 1Author: Aamir Ali Khan, Xinhui Liu, Xinlong Yan, ...  
Publish Year: 2021

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## An overview of genetic mutations and epigenetic signatures ...

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The mutational frequency of these genes ranges from 50 to 98% in PC. The nature of **mutation diagnosis** is mostly homozygous deletion, point **mutation**, and aberrant methylation. In addition to **genetic modification**, **epigenetic** alterations particularly aberrant hypermethylation and hypomethylation also predispose patients to PC.

Cited by: 2

Author: Aamir Ali Khan, Xinhui Liu, Xinlong Yan, ...

Publish Year: 2021

## Epigenetic Alterations as Biomarkers in Pancreatic Ductal ...

<https://pubmed.ncbi.nlm.nih.gov/28301276>

DNA methylation, histone **modifications** and microRNA (miR) level changes can be used as **biomarkers**. These alterations occur early in carcinogenesis and may be specific for PDAC. Additionally, **epigenetic alterations** can be analyzed from cell-free DNA, free-circulating nucleosomes or shed tumor ...

Cited by: 11

Author: Pascal Syren, Roland Andersson, Monik...

Publish Year: 2017

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## Road to early detection of pancreatic cancer: Attempts to ...

<https://www.ncbi.nlm.nih.gov/pubmed/22450751>

Jan 28, 2014 · Epigenetic biomarkers can be utilized for assessing cancer risk, **early detection**, and ...