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**Advances in immuno-oncology biomarkers for gastroesophageal cancer:  
Programmed death ligand 1, microsatellite instability, and beyond**

Lin EM *et al.* Immuno-oncology biomarkers for gastroesophageal cancer

Emily M Lin, Jun Gong, Samuel J Klempner, Joseph Chao

**Abstract**

Blockade of the programmed death ligand 1 (PD-L1) and programmed cell death 1 (PD-1) receptor axis represents an effective form of cancer immunotherapy. Preclinical evidence initially suggested that gastric and gastroesophageal junction (GEJ) cancers are potentially immunotherapy-sensitive tumors. Early phase clinical trials have demonstrated promising antitumor activity with PD-1/PD-L1 blockade in advanced or

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作者: A Cesano - 2018

2018年2月2日 - recurrent or metastatic head and neck cancer, refractory classical Hodgkins lymphoma, urothelial carcinoma, **gastric cancer**, and cancers with a **biomarker** referred to as high microsatellite instability. (**MSI-H**). For these therapies (with the exception of the latter), **PD-L1** IHC has been the primary diagnostic ...

### Beyond PD-L1 testing-emerging biomarkers for immunotherapy in non ...

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作者: KR Voong - 2017 - 被引用次数: 5 - 相关文章

Recently, a firmer understanding of **tumor immunology** and **tumor** escape mechanisms has led to the development of **immune** checkpoint inhibitors, antibodies against programmed death-1 (**PD-1**) and its ligand (**PD-L1**). Nivolumab, pembrolizumab, and atezolizumab have dramatically altered the treatment paradigm in ...

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Some mutations (neo-antigens) may be targeted by **immune** system. • Pembrolizumab can facilitate **immune** system response in some **MSI-H/dMMR** cancers ... **Esophageal cancer**. 1. PR. Sarcoma. 1. PD. Thyroid cancer. 1. NE. Retroperitoneal adenocarcinoma. 1. PR. Small cell lung cancer. 1. CR. Renal cell cancer. 1. PD.

### Combined prognostic effect of PD-L1 expression and immunoscore in ...

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作者: KJ Kim - 2017 - 被引用次数: 1 - 相关文章

2017年8月29日 - Combined prognostic effect of **PD-L1** expression and immunoscore in microsatellite-unstable advanced **gastric cancers**. ... Therefore, **MSI-H** GCs are thought to provide an adequate platform for the evaluation of the relevance of tumor infiltrating **immune** cells and **PD-L1** expression. In the current study, we ...

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作者: EC Marginean - 2018 - 被引用次数: 1 - 相关文章

Part I-Colorectal **Cancer: Microsatellite Instability**, Testing, and Clinical Implications. ... Department of Medical **Oncology**, University of British Columbia, Vancouver, ... Microsatellite status has been recognized as a prognostic and predictive **biomarker**. ... **immune** response, **programmed death** receptor-1/**programmed death** ...

**Programmed death-ligand 1 is a promising blood marker for predicting ...**

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作者: M Amatatsu - 2018 - 被引用次数: 1

2018年2月19日 - **1**. Cancer Sci. 2018 Mar;109(3):814-820. doi: 10.1111/cas.13508. ... for predicting tumor progression and prognosis in patients with **gastric cancer**. ... **death-ligand 1 (PD-L1)** are widely known as important **immune checkpoint** ... In addition, liquid biopsy of blood specimens has the clinical **benefit** of providing ...

**Characterization of biomarkers to immune checkpoint blockade ...**

[ascopubs.org/doi/abs/10.1200/JCO.2018.36.5\\_suppl.26](https://ascopubs.org/doi/abs/10.1200/JCO.2018.36.5_suppl.26) - 翻译此页

作者: M Russell - 2018

2018年2月26日 - Currently, **tumor** expression of **programmed death-ligand 1 (PD-L1)** is clinically ... However, across solid tumors, only a subset of patients **benefit** from ICBs, ... gene-fusions in 435 **cancer-related** genes, **microsatellite instability (MSI)**, ... The **relationship** between PD-L1 expression and the other **biomarkers** ...

**Frequent programmed death-ligand 1 expression in gastric cancer ...**

[ascopubs.org/doi/abs/10.1200/JCO.2016.34.15\\_suppl.e15579](https://ascopubs.org/doi/abs/10.1200/JCO.2016.34.15_suppl.e15579) - 翻译此页

作者: C Ma - 2016 - 被引用次数: 1 - 相关文章

Background: **Immune checkpoint** blockade of the **programmed death ligand 1** ... Therefore development



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作者: A Cesano - 2018 - 被引用次数: 1

2018年2月2日 - death-ligand 1 (PD-L1) and programmed cell death protein 1 (PD-1), ... Thanks to the rapid progress in technology, today we can measure ... carcinoma, gastric cancer, and cancers with a biomarker referred to as high microsatellite instability ... Beyond the issues with current PD-L1 IHC assays, PD-L1 as a ...

### Beyond PD-L1 testing-emerging biomarkers for immunotherapy in non ...

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作者: KR Voong - 2017 - 被引用次数: 7 - 相关文章

<sup>1</sup> Department of Radiation Oncology and Molecular Radiation Sciences, ... antibodies against programmed death-1 (PD-1) and its ligand (PD-L1). ... Table 1 Emerging tissue-based biomarkers of immune checkpoint inhibitor response ... tumor-node-metastasis (TNM) staging system and microsatellite instability status (50).

### Biomarkers for immunotherapy in bladder cancer: a moving target ...

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... University Medical Center Hematology/Oncology New York USA ... Bladder cancer PD-1 Pd-L1 Immunotherapy Atezolizumab Nivolumab ... Tumor mutation burden Immune checkpoint inhibitor Biomarker Nanostring ... Microsatellite instability ... PD-1. Programmed cell death protein 1. PD-L1. Programmed death ligand 1.