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*Retrospective Study*

**IDO1/COX2 expression prediction for adverse prognosis in colorectal cancer**

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Gong Chen, Rong-xin Zhang**

**Abstract**

*AIM*

Patients with colorectal cancer (CRC) have poor clinical outcomes. We performed this study to evaluate IDO1/COX2 (indoleamine-2,3-dioxygenase 1/Cyclooxygenase-2) expression as an independent prognostic biomarker for CRC

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These results indicate that elevated **Cox-2 expression** is more common in breast cancers with **poor prognostic** characteristics and is associated with an unfavorable outcome. The present findings .....  
Gupta R. A., DuBois R. N. **Colorectal cancer** prevention and treatment by inhibition of cyclooxygenase-2. Nat. Rev. Cancer, 1: ...

[\(IDO1\) expression in breast cancer tissue by ... - NCBI - NIH](#)

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作者: H Soliman - 2013 - 被引用次数: 31 - [相关文章](#)

2013年1月24日 - **COX2** as positively correlated with **IDO** on univariate but not multivariate analysis. There was a trend toward greater numbers of ... In **colorectal cancer**, there was no **survival** difference seen, but high **IDO-expressing** tumors were more likely to metastasize to the liver. There is evidence that combining **IDO** ...

缺少字词: `prediction`

[Prognostic value of indoleamine 2,3-dioxygenase expression in ...](#)

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作者: G Brandacher - 2006 - 被引用次数: 437 - [相关文章](#)

**Prognostic value of indoleamine 2,3-dioxygenase expression in colorectal cancer:** effect on tumor-infiltrating T cells. Brandacher ... EXPERIMENTAL DESIGN: **Expression of IDO** was analyzed in **colorectal cancer** cell lines by reverse transcription-PCR and functional enzyme activity was assessed by high-pressure liquid ...

缺少字词: `cox2 prediction adverse`

[Cancer/stroma interplay via cyclooxygenase-2 and indoleamine 2,3 ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4220086/> - [翻译此页](#)

作者: JY Chen - 2014 - 被引用次数: 41 - [相关文章](#)

2014年7月25日 - Kynurenine, the metabolite generated by **IDO**, increases in the supernatant of fibroblasts co-cultured with **COX-2-overexpressing breast cancer** cells. PGE2 released ..... **COX-2 expression** in breast cancer and **IDO expression** in stromal fibroblasts **predicted poor** disease-specific



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### Tumor-associated macrophages (TAM) and inflammation in colorectal cancer

M Erreni, [A Mantovani](#), P Allavena - *Cancer microenvironment*, 2011 - Springer... the expression of colony-stimulating factors (CSFs), interleukin-1 (IL-1), cyclooxygenase 2 (COX2) and ... suppressive mediators, such as IL-10, TGF- $\beta$  and indoleamine 2,3-dioxygenase (IDO) [147] ... and colleagues [155] instead demonstrated that IL-23 expression is strongly ...

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### [HTML] Regulatory T cells in colorectal cancer: from biology to prognostic relevance

D Mougiakakos - *Cancers*, 2011 - mdpi.com

... Keywords: regulatory T cells; colorectal cancer; prognostic marker; immune escape ... that although activated immune cells represent an important component of the cancer microenvironment, they ... the most established phenotype for Tregs is defined by the expression of CD25 [8,9 ...

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### [HTML] Immunodeficiency and immunotherapy in multiple myeloma

G Pratt, O Goodyear, [P Moss](#) - *British journal of haematology*, 2007 - Wiley Online Library... IL-10, IL-6, vascular endothelial growth factor (VEGF), Fas ligand, Muc-1, cyclooxygenase-2 (Cox-2 ... & DuBois, 2005),  $\beta$ -2 microglobulin (Xie et al, 2003) and indoleamine 2,3-dioxygenase (IDO; Zou ... van Rhee et al (2005) showed a correlation between expression of the CTAg, NY ...

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作者: G Brandacher - 2006 - 被引用次数: 445 - 相关文章

Prognostic value of indoleamine 2,3-dioxygenase expression in colorectal cancer: effect on tumor-infiltrating T cells. Gerald Brandacher, Alexander Perathoner, Ruth Ladumer, Stefan Schneeberger, Peter Obrist, Christiana Winkler, Ernst R Werner, Gabriele Werner-Felmayer, Helmut G Weiss, Georg Gv̇obel, Raimund ...

### Cyclooxygenase-2 Expression is an Independent Predictor of Poor ...

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作者: S Ogino - 2008 - 被引用次数: 143 - 相关文章

Despite the well-accepted role of COX-2 in tumor development (2), studies are conflicting regarding prognostic significance of COX-2 in colorectal cancer with some (3, 8, 9) supporting and others (4, 10-16) refuting an independent adverse effect of COX-2 overexpression. COX-2 overexpression has been positively ...

缺少字词: indoleamine dioxygenase

### Expression and Prognostic Value of Indoleamine 2,3-dioxygenase in ...

[www.cmj.org/article.asp?issn=0366-6999;year=2017;volume...6;...](http://www.cmj.org/article.asp?issn=0366-6999;year=2017;volume...6;...) - 翻译此页

作者: T Zhang - 2017 - 被引用次数: 1 - 相关文章

2017年3月6日 - Results: PANC-1, CFPAC-1, and BxPC-3 cell lines expressed IDO at the protein level, and the relative expression amount increased after stimulation with 500 U/ml ... Zhang T, Tan XL, Xu Y, Wang ZZ, Xiao CH, Liu R. Expression and Prognostic Value of Indoleamine 2,3-dioxygenase in Pancreatic Cancer.

缺少字词: cyclooxygenase prediction