

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

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*Case Control Study*

**Colonic vitamin D receptor expression is inversely associated with disease activity and Jumonji domain-containing 3 in active ulcerative colitis**

Hong-Qian Wang, Wen-Hui Zhang, Ya-Qi Wang, Xiao-Pan Geng, Ming-Wei Wang, Yuan-Yuan Fan, Jing Guan, Ji-Long Shen, Xi Chen

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Vitamin D alleviates the disease activity of human ulcerative colitis



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## Review article: vitamin D and inflammatory bowel diseases ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/apt.12553>

Nov 17, 2013 · Introduction. **Ulcerative colitis** (UC) and Crohn's **disease** (CD) constitute chronic idiopathic inflammatory bowel **diseases** (IBD). The key underlying pathogenic mechanisms for both **diseases** is a dysregulated host immune response to commensal intestinal flora in genetically susceptible individuals. 1, 2 Known genetic variants incompletely explain the variance in **disease** ...

**Cited by:** 186

**Author:** Venigalla Pratap Mouli, Ashwin N Anant...

**Publish Year:** 2014

## Vitamin D regulates the tight-junction protein expression ...

[https://www.researchgate.net/publication/303462555\\_Vitamin\\_D\\_regulates\\_the\\_tight-junction\\_protein\\_expression\\_in\\_ulcerative\\_colitis](https://www.researchgate.net/publication/303462555_Vitamin_D_regulates_the_tight-junction_protein_expression_in_ulcerative_colitis)

**Disease activity** was assessed using validated questionnaires, including Truelove for **Ulcerative Colitis** and Crohn **Disease Activity** Index (CDAI) for Crohn **disease**. Serum 25(OH)**D** concentrations were ...

## Regulation of Microbiota by Vitamin D Receptor: A Nuclear ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6392192>

2. **Vitamin D** and VDR in Metabolism. 1,25-dihydroxyvitamin **D** (1,25(OH) 2 **D** 3), the active form of **vitamin D**, is generated in the skin after exposure to UV light or absorbed from a diet of **vitamin D**-rich foods. 1,25(OH) 2 **D** 3 acts primarily through its receptor VDR. VDR is a nuclear receptor and transcription factor that directly or indirectly regulates over 900 genes [1].

**Cited by:** 12

**Author:** Danika Bakke, Ishita Chatterjee, Annika ...

**Publish Year:** 2018

## Inhibition of Histone Deacetylation by MS-275 Alleviates ...

<https://academic.oup.com/ecco-jcc/article-abstract/14/8/1103/5729036> ▼

AbstractBackground. **Ulcerative colitis** [UC] is a common chronic inflammatory bowel **disease** without curative treatment.Methods. We conducted gene set enrichment

Colonic vitamin D receptor expression is inversely associated with d



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## Mechanism of action of vitamin D and the vitamin D ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3262916>

**Vitamin D** and its analogs are potent inhibitors of colorectal cancer growth and metastasis. A number of recent studies have defined the intersections between the  $\beta$ -catenin-TCF pathway (a known contributor to colorectal cancer progression) and the **vitamin D receptor** (VDR) pathway, shedding light on the underlying mechanisms.

**Cited by:** 60

**Author:** Stephen W. Byers, Tracey Rowlands, Ma...

**Publish Year:** 2012

## Mechanisms of action of vitamin D in colon cancer ...

<https://www.sciencedirect.com/science/article/pii/S0960076018302954>

Jan 01, 2019 · 1. Introduction. Colorectal cancer (CRC) results from malignant transformation of the epithelium of the large intestine. It is a major health problem and a leading cause of cancer-related mortality worldwide [1,2]. Intestine is the organ with the highest **expression** of **vitamin D receptor** (VDR) [3,4]. In addition,  $1\alpha,25$ -dihydroxyvitamin **D** 3 or calcitriol, the most **active vitamin D** metabolite, has ...

**Cited by:** 19

**Author:** Gemma Ferrer-Mayorga, María Jesús La...

**Publish Year:** 2019





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### [Mechanism of action of vitamin D and the vitamin D ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3262916>

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**Cited by:** 19**Author:** Gemma Ferrer-Mayorga, María Jesús La...**Publish Year:** 2019

### [Case-Control Study of Vitamin D, dickkopf homolog 1 \(DKK1 ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3192764>

Results. Cases and controls differed in **vitamin D** status (**D 3** <50 nmol/L: Median of 35.5 in cases vs. 36.8 in controls nmol/L;  $P = 0.05$ ). Low levels of  $25(\text{OH})\text{D 3}$  (<50 nmol/L) were observed in 86% of cases and 68% of controls and it was **associated** with higher risks of colon polyp (odds ratio of 2.7, 95% confidence interval 1.3–3.4). The SNP analysis showed no association between 46 VDR ...

**Cited by:** 19**Author:** Hassan Ashktorab, Bijou Nguza, Mehra...**Publish Year:** 2011

### [Vitamin D and Colon Cancer - ScienceDirect](#)

<https://www.sciencedirect.com/science/article/pii/B9780128099636000997>

Jan 01, 2018 · Outline. Introduction 838. Colon Cancer 838. Genetics and Subtypes of Colon Cancer 838. Wnt/ $\beta$ -Catenin Signaling Pathway 839. Human Studies 841. Epidemiological Studies 841. Clinical Data 841. **Expression** of **Vitamin D** Hydroxylases and the **Vitamin D Receptor** in Colon Cancer 842.