

### Aberrant Expression of MUC1 Mucin in Pediatric ...

<https://www.researchgate.net/publication/23489193...>

Aberrant **expression** of **MUC1 protein** has been linked to **inflammatory** bowel disease (31)(32) (33); however, to our knowledge, there is no available analysis of **MUC1** and its **relationship** ...

### Dietary ganglioside reduces proinflammatory signaling in ...

[europepmc.org/articles/PMC3306953](https://europepmc.org/articles/PMC3306953) ▾

Feb 12, 2012 · Ganglioside metabolism in **the intestinal mucosa** is fundamental to the etiology of IBD. Studies show that low levels of ganglioside in **the intestinal mucosa** are associated with increased levels of **inflammatory** markers, susceptibility to pathogens, and poor gut integrity.

### Review article: the role of butyrate on colonic function ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1365-2036.2007.03562.x>

Oct 26, 2007 · TFFs are thought to reduce the recruitment of **inflammatory** cells and to be involved in the maintenance and repair of the **intestinal mucosa**, although the exact mechanism for this effect is not yet known. 169 **Intestinal** trefoil factor (ITF or TFF3) is almost exclusively secreted by the **intestinal** goblet cells. 170 In a rat TNBS model of colitis ...

**Cited by:** 2394 **Author:** H.M.H. Hamer, D. Jonkers, K. Venem...

**Publish Year:** 2007

### Lipopolysaccharide Induces Overexpression of MUC2 and ...

<https://www.researchgate.net/publication/11091677...>

[166] [167] [168][169] On the other hand, microbes or their metabolic products may induce **inflammatory reactions** in the colon. Some **intestinal** florae such as ...

**Estimated Reading Time:** 9 mins

### Possible mechanisms of action of clarithromycin and its ...

<https://ecancer.org/en/journal/article/1088-possible-mechanisms-of-action-of...> ▾

Possible mechanisms of action of clarithromycin and its clinical application as a repurposing drug for treating multiple myeloma. Nobuo Takemori 1a, Hong-Kean Ooi 2, Goro Imai 3, Kazuo

### Lactoferrin from Bovine Milk: A Protective Companion for Life

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7551115>

Aug 24, 2020 · 1. Introduction. Lactoferrin, an 80 kDa iron-binding glycoprotein belonging to the family of transferrin proteins, was first isolated in 1939 from cow's milk [] and in 1960 was shown to be the main iron-binding protein in human milk []. Lactoferrin is also found in mucosal secretions such as tears, saliva, vaginal mucus, seminal plasma, nasal and bronchial secretions, bile, gastrointestinal ...

### Anti-inflammatory mechanisms of bioactive milk proteins in ...

<https://www.sciencedirect.com/science/article/pii/S1357272513001337>

Aug 01, 2013 · Not surprisingly, GIT inflammatory reactions are common in newborn infants, particularly in compromised infants such as those born preterm and/or growth-restricted. The most severe GIT inflammatory condition of very preterm infants is necrotizing enterocolitis (NEC), which has a high mortality (10–50%, Uauy et al., 1991, Neu and Walker, 2011b).

Cited by: 287 Author: Dereck E.W. Chatterton, Duc Ninh Nguye...

Publish Year: 2013

### Intestinal innate immunity: How does it relate to the ...

<https://www.sciencedirect.com/science/article/pii/S1055858605000296>

Aug 01, 2005 · Necrotizing enterocolitis (NEC) is one of the most enigmatic diseases in the fields of neonatology and pediatric surgery. ... there is evidence that human milk may affect the neonatal intestinal defense system through alterations in the expression of inflammatory cytokines. Interleukin-10 (IL-10) is an antiinflammatory cytokine that has been ...

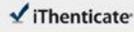
Cited by: 121 Author: Josef Neu, Mike Chen, Elizabeth Beierle

Publish Year: 2005

### Endoplasmic reticulum stress in the acute intestinal ...

<https://link.springer.com/article/10.1007/s00383-021-04929-8>

Jun 12, 2021 · Endoplasmic reticulum (ER) is a dynamic organelle that has many functions including protein synthesis, lipid synthesis, and calcium metabolism. Any perturbation in the ER such as accumulation of unfolded or misfolded proteins in the ER lumen causes ER stress. ER stress has been implicated in many intestinal inflammatory diseases. However, the role of ER stress in acute intestinal ...



**Name of Journal:** *World Journal of Clinical Cases*  
**Manuscript NO:** 66945  
**Manuscript Type:** ORIGINAL ARTICLE

*Retrospective Study*

**Mucin 1 and interleukin-11 protein expression and inflammatory reactions in the intestinal mucosa of necrotizing enterocolitis children after surgery**

Pan HX *et al.* MUC-1 and IL-11 in the intestinal mucosa

Hong-Xia Pan, Chang-Song Zhang, Chia-Hui Lin, Min-Min Chen, Xiao-Zhong Zhang, Nong Yu

**Abstract**

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### Anti-inflammatory mechanisms of bioactive milk proteins in ...

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Publish Year: 2013

### Human Milk Oligosaccharides Increase Mucin Expression in ...

<https://www.researchgate.net/publication/328815796...>

Mimicking intestinal injury such as necrotizing enterocolitis, intestinal organoids increases the expression of pro-inflammatory cytokine genes and shows disruption of tight junctions after they ...

### Intestinal innate immunity: How does it relate to the ...

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### The pathogenesis of Hirschsprung's disease-associated ...

<https://www.researchgate.net/publication/320860810>