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### Protective effects of oxymatrine against DSS-induced acute ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6639456>

Jul 31, 2019 · In the present study, the levels of GSH and SOD in the control group were much higher than those in the **DSS** group. OMT at different doses could reduce MDA and NO activity in **DSS-induced colitis** while increasing SOD and GSH activity, which suggested that OMT may serve as a major defense against oxidative stress.

**Cited by:** 2**Author:** Yifan Wang, Zhexing Shou, Heng Fan, ...**Publish Year:** 2019

### Gut Microbiota: A New Strategy to Study the Mechanism of ...

<https://www.hindawi.com/journals/ecam/2019/9730176> ▾

Our previous studies showed that both acupuncture and moxibustion could improve the disease active index (DAI, the evaluating method shown in Table 1) of **DSS-induced colitis mice** and affect the percentage of CD4 + T cells . However, few studies involved intestinal flora of UC mouse which has higher homology than rat and pig . T-helper 17 (Th17) and T-regulatory (Treg) cells (form ...

**Cited by:** 2**Author:** Daneng Wei, Lushuang Xie, Zhiqi Zhua...**Publish Year:** 2019

### Acute colitis induced by dextran sulfate sodium progresses ...

<https://journals.physiology.org/doi/full/10.1152/ajpgi.00467.2004>

**Preventive and therapeutic effects of blueberry (Vaccinium corymbosum) extract against DSS-induced ulcerative colitis** by regulation of **antioxidant** and inflammatory mediators

**Cited by:** 546**Author:** Silvia Melgar, Agneta Karlsson, Erik Mic...**Publish Year:** 2005

### Dietary squalene supplementation improves DSS-induced ...

[https://www.researchgate.net/publication/268230993\\_Dietary\\_squalene\\_supplementation...](https://www.researchgate.net/publication/268230993_Dietary_squalene_supplementation...)

Dietary squalene supplementation improves **DSS-induced acute colitis** by downregulating p38 MAPK and NF- $\kappa$ B-mediated pathway. *Food Funct* 2015; 16(10):3041-3050. doi:10.1039/C5FO00453G



New approach of medicinal herbs and sulfasalazine mixture on ulcer



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The present study aimed to investigate the comparative evaluation of pharmacological efficacy between **sulfasalazine alone** and **sulfasalazine** in combination with **herbal medicine** on **dextran sodium sulfate-** (DSS-) **induced UC in mice**. **Balb/c mice** received 5% DSS in drinking water for 7 days to **induce colitis**.

Cited by: 9

Author: Mi-Rae Shin, Kyeong Jo Kim, Soo Hyun ...

Publish Year: 2017

### [Protective Effects of Fermented Rice Extract on Ulcerative ...](#)

<https://pubmed.ncbi.nlm.nih.gov/32180979>

Thus, the therapeutic potential of FRe for UC was examined. **Dextran sodium sulfate UC mice model** was orally administered distilled water as a control, **sulfasalazine**, or FRe at 300, 200, and 100 mg/kg, once a day for a week. The **UC control** exhibited body weight loss, bloody stools, and **colonic shortening**.

Cited by: 1

Author: Won-Seok Oh, Jae-Chul Jung, Yong-Min ...

Publish Year: 2020

### [Anti-Inflammatory Effects of Huangqin Decoction on Dextran ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6984456>

Jan 20, 2020 · Huangqin decoction (HQD), a classical traditional **Chinese medicinal formula**, has been commonly used to treat gastrointestinal diseases for thousands of years. We investigated the anti-inflammatory effects and underlying mechanisms of HQD on **dextran sulfate sodium (DSS)-induced ulcerative colitis (UC)**.

Cited by: 2

Author: Min-yao Li, Hui-juan Luo, Xue Wu, Yu-ho...

Publish Year: 2020

### [Comparative Evaluation between Sulfasalazine Alone and in ...](#)


<https://www.thefreelibrary.com/Comparative...> ▾

Jan 01, 2017 · Free Online Library: Comparative Evaluation between **Sulfasalazine Alone** and in Combination with **Herbal Medicine** on **DSS-Induced Ulcerative Colitis Mice**. (Research Article, Report) by "BioMed Research International"; Biotechnology industry High technology industry Antioxidants Analysis Antioxidants (Nutrients) Drinking water **Herbal medicine** Patient outcomes **Medicine**. Botanic

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**Basic Study**

**New approach of medicinal herbs and sulfasalazine mixture on ulcerative colitis induced by dextran sodium sulfate**

Shin MR *et al.* Inhibitory effect on ulcerative colitis

Mi-Rae Shin, Hae-Jin Park, Bu-Il Seo, Seong-Soo Roh

**Abstract**

**AIM**

To compare the anti-inflammatory action of sulfasalazine alone or in combination with herbal medicine for ulcerative colitis in a dextran sodium sulfate (DSS)-induced colitis mouse model.

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**Dextran sodium sulfate-induced** acute murine **colitis** model. After acclimatization, test mice were randomized into four groups: vehicle control, **dextran sodium sulfate** (DSS, **colitis** control), **sulfasalazine** (positive control, Sigma-Aldrich, Lot No. 460842) and the treatment group (n = 10).

Cited by: 3

Author: Wen-Ching Lin, Wen-Ching Lin, Chih-C...

Publish Year: 2015

### Protective Effects of Fermented Rice Extract on Ulcerative ...

<https://pubmed.ncbi.nlm.nih.gov/32180979>

Thus, the therapeutic potential of FRe for UC was examined. **Dextran sodium sulfate UC mice model** was orally administered distilled water as a control, **sulfasalazine**, or FRe at 300, 200, and 100 mg/kg, once a day for a week. The **UC control** exhibited body weight loss, bloody stools, and **colonic shortening**.

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Author: Won-Seok Oh, Jae-Chul Jung, Yong-M...

Publish Year: 2020

### Dextran Sulfate Sodium (DSS)-Induced Colitis in Mice ...

<https://currentprotocols.onlinelibrary.wiley.com/doi/abs/10.1002/0471142735.im1525s104>

Among various chemically **induced colitis** models, the **dextran sulfate sodium (DSS)-induced colitis** model is widely used because of its simplicity and many similarities with human **ulcerative colitis**. This model has both advantages and disadvantages that ...

Cited by: 637

Author: Benoit Chassaing, Jesse D. Aitken, Mad...

Publish Year: 2014

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