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Basic Study

Reaction of antibodies to *Campylobacter jejuni* and cytolethal distending toxin b with tissues and food antigens

Vojdani A *et al.* *C. jejuni* antibody reacts with antigens

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Abstract

BACKGROUND

The bacteria *Campylobacter jejuni* (*C. jejuni*) is commonly associated with Guillane-Barré syndrome (GBS) and irritable bowel syndrome (IBS), but studies have also linked it with Miller Fisher syndrome, reactive arthritis and other disorders, some of which are autoimmune. It is possible that *C. jejuni* and its toxins may be cross-reactive with some human tissues and food antigens, potentially leading to autoimmune responses.

AIM

To measure the immune reactivity of *C. jejuni* and *C. jejuni* cytolethal distending toxin (Cdt) antibodies with tissue and food antigens to examine their role in autoimmunities.

METHODS

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Role of Campylobacter jejuni Infection in the Pathogenesis of Guillain ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3755430/> ▾ [翻译此页](#)作者: KK Nyati - 2013 - 被引用次数: 88 - [相关文章](#)

2013年8月13日 - Our current knowledge on **Campylobacter jejuni** infections in humans Sometimes **antibodies** produced against the bacterium mimic with the host for the detection of a **response** to **C. jejuni antigens** in the lymphocytes from brain **tissues** of adult animals had an increased risk of inducing GBS due to ...

Host-Pathogen Interactions in Campylobacter Infections: the Host ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2493085/> ▾ [翻译此页](#)作者: R Janssen - 2008 - 被引用次数: 210 - [相关文章](#)

This is surprising for a **food-borne** pathogen, although it is known that the dose of **antibodies** against **CDT**, indicating host specificity in the immune **response** to **Antibodies**, directed towards **Campylobacter jejuni antigens**, in sera from interleukin-8 compared to in vitro-infected primary human intestinal **tissue**.

Campylobacter jejuni

<https://www.karger.com/Article/Pdf/60405> - [翻译此页](#)

foods and animals, recognized as fast emerging human pathogens [2]. Campylo- ... marizes our current knowledge on **C. jejuni**, the most widespread human pathogen within the toxin of **C. jejuni Cdt** encoded by the genes **ctdA**, **-B**, and **-C** has been shown to **response**, **antibodies** against **GM1b** and **GM1a** are found.

[PDF] Immunity to Campylobacter - Utrecht University Repository

https://dspace.library.uu.nl/.../Havelaar-Crit_Rev_Microbiol_2009_35_1-22... ▾ [翻译此页](#)作者: AH Havelaar - 2009 - 被引用次数: 129 - [相关文章](#)

AHH wishes to acknowledge additional funding from the **Food** and consequences of acquired immunity for the **response** to ... tion, serum **antibody** responses to **C. jejuni** are markedly ... **antigens** that are recognized by the immune system. 2008), **CDT** (Abuoun et al. vitro-infected primary human intestinal **tissue**.

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... jejuni but not with C. jejuni lacking cytolethal distending ... - Fox - 被引用次数: 174

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Antibody to cytolethal distending toxin of Campylobacter jejuni

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