

Gastroenteritis

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Gastroenteritis refers to inflammation of the gastrointestinal tract, involving both the stomach and the small intestine and resulting in acute diarrhea. The inflammation is caused most often by infection with certain viruses, less often by bacteria or their toxins, parasites, or adverse reaction to something in the diet or medication. Worldwide, inadequate treatment of gastroenteritis kills 5 to 8 million people per year, and is a leading cause of death among infants and children under 5. At least 50% of cases of gastroenteritis as foodborne illness are due to norovirus. Another 20% of cases, and the majority of severe cases in children, are due to rotavirus. The third significant viral agent is astrovirus. Many different bacteria can cause gastroenteritis, including salmonella, shigella, staphylococcus, Campylobacter jejuni, clostridium, E. coli, yersinia, and others. Some sources of the infection are improperly prepared food, reheated meat dishes, seafood, dairy, and bakery products. Each organism causes slightly different symptoms but all result in diarrhea. Colitis, inflammation of the large intestine, may also be present. Risk factors are consumption of improperly prepared foods or contaminated water and travel or residence in areas of poor sanitation. The incidence is 1 in 1,000 people.



Recent Publications on Gastroenteritis:

- [Clinical and Epidemiologic Characteristics of Human Bocavirus in Danish Infants: Results From a Prospective Birth Cohort Study.](#)
*BACKGROUND:: Human bocavirus (HBoV) is a recently discovered parvovirus...*30th August, 2008
From the *Departments of *Pediatrics and daggerClinical Microbiology,- *Pediatr Infect Dis J.* 2008 Aug 27. ([DOI Direct Link](#))
- [Concomitant Use of the Oral Pentavalent Human-Bovine Reassortant Rotavirus Vaccine and Oral Poliovirus Vaccine.](#)
*OBJECTIVES:: The live oral pentavalent rotavirus vaccine (PRV) is well...*30th August, 2008
From the *Vaccine Biologics-Clinical Research and daggerVaccine CBARDS,- *Pediatr Infect Dis J.* 2008 Aug 27. ([DOI Direct Link](#))
- [Increase in prevalence of human group A rotavirus G9 strains as an important VP7 genotype among children in eastern India.](#)
*BACKGROUND: In addition to four globally important group A rotavirus...*30th August, 2008
Division of Virology, National Institute of Cholera and Enteric Diseases,- *J Clin Virol.* 2008 Aug 26. ([DOI Direct Link](#))
- [Pancarditis in a five-year-old boy affecting tricuspid valve and ventricular septum.](#)
*A five-year-old boy with a structurally normal heart and recent history of...*30th August, 2008
Department of Pediatric Cardiac Surgery, University Hospital, RWTH Aachen- *Eur J Cardiothorac Surg.* 2008 Aug 26. ([DOI Direct Link](#))
- [Characterization of endemic Shigella boydii strains isolated in Iran by serotyping, antimicrobial](#)

[resistance, plasmid profile, ribotyping and pulsed-field gel electrophoresis.](#)

*ABSTRACT: BACKGROUND: Shigellosis is one of the major causes of morbidity...*30th August, 2008
- BMC Res Notes. 2008 Aug 29;1(1):74. ([DOI Direct Link](#))

- [Characterization of Campylobacter concisus hemolysins.](#)

*Campylobacter concisus is an opportunistic pathogen commonly found in the...*30th August, 2008
School of Applied Sciences, RMIT University, Melbourne, Australia.- FEMS Immunol Med Microbiol.
2008 Aug 27. ([DOI Direct Link](#))

- [Epidemiology and clinical associations of human parechovirus respiratory infections.](#)

*Infections with human parechoviruses (HPEVs) are prevalent in young...*30th August, 2008
Specialist Virology Centre, Royal Infirmary of Edinburgh, 51 Little France- J Clin Microbiol. 2008 Aug
27. ([DOI Direct Link](#))

- [Genetic analysis of feline panleukopenia viruses from cats with gastroenteritis.](#)

*Thirty-nine parvovirus strains contained in faecal samples collected in...*30th August, 2008
Department of Public Health and Animal Sciences, Faculty of Veterinary- J Gen Virol. 2008 Sep;89(Pt
9):2290-8. ([DOI Direct Link](#))

- [\[Diffuse abdominal pain and eosinophilia.\]](#)

*Eosinophilic gastroenteritis is a rare clinical condition of unknown...*30th August, 2008
Medizinische Poliklinik, Universitatsspital Basel, Basel, Schweiz.- Internist (Berl). 2008 Aug 29. ([DOI Direct Link](#))

- [Animal models of listeria infection.](#)

*Listeria monocytogenes is an intracellular foodborne pathogen that causes...*30th August, 2008
Group of Molecular Microbiology, Instituto de Biologia Molecular e Celular- Curr Protoc Microbiol. 2008
Aug;Chapter 9:Unit9B.1. ([DOI Direct Link](#))

- [Importance of cholesterol for infection of cells by transmissible gastroenteritis virus.](#)

*In this study, we addressed the question whether cholesterol is important...*30th August, 2008
Institute for Virology, University of Veterinary Medicine Hannover,- Virus Res. 2008 Aug 23. ([DOI Direct Link](#))

- [Progress in understanding norovirus epidemiology.](#)

*PURPOSE OF REVIEW: Noroviruses are now recognized as important causes of...*30th August, 2008
Public Health Virology, ErasmusMC, Rotterdam and Virology, Laboratory for- Curr Opin Infect Dis.
2008 Oct;21(5):544-52. ([DOI Direct Link](#))

- [Seasonal tracking of histo-blood group antigen expression and norovirus binding in oyster gastrointestinal cells.](#)

*Noroviruses (NORs) are the most common cause of viral gastroenteritis...*30th August, 2008
Produce Safety and Microbiology Research Unit, U.S. Department of- J Food Prot. 2008
Aug;71(8):1696-700.

- [Enteroggregative Escherichia coli associated with a foodborne outbreak of gastroenteritis.](#)

*This study investigated two foodborne outbreaks of gastroenteritis that...*23rd August, 2008
1Dipartimento di Sanita Pubblica Veterinaria e Sicurezza Alimentare,- J Med Microbiol. 2008 Sep;57(Pt
9):1141-6. ([DOI Direct Link](#))

- [Genetic diversity of norovirus, sapovirus, and astrovirus isolated from children hospitalized with acute gastroenteritis in Chiang Mai, Thailand.](#)

*Norovirus (NV), sapovirus (SV), and human astrovirus (HAstV) are important...*21st August, 2008
Faculty of Medicine, Department of Microbiology, Chiang Mai University,- J Med Virol. 2008
Oct;80(10):1749-55. ([DOI Direct Link](#))

BioNews Results for Gastroenteritis

- [Systematic Literature Review of Role of Noroviruses in Sporadic Gastroenteritis](#)

Center for Disease Control and Prevention: Jul 30 2008 2:16PM Matching: gastroenteritis

- [Systematic Literature Review of Role of Human Noroviruses in Sporadic Gastroenteritis](#)
Abstracts in Hematology and Oncology: Jul 29 2008 10:03PM Matching: gastroenteritis
- [Systematic Literature Review of Role of Human Noroviruses in Sporadic Gastroenteritis](#)
Medscape: Jul 29 2008 8:42PM Matching: gastroenteritis
- [CDC Observes Reduction in Rotavirus Disease After the Introduction of ROTATEQ\(R\), Merck's Rotavirus Vaccine](#)
Stockwatch: Jun 25 2008 7:01PM Matching: gastroenteritis
- [Drinking 'Flat' Carbonated Drinks Does Not Help Children With Gastroenteritis](#)
VOA News: Jun 5 2008 6:24PM Matching: gastroenteritis

Gastroenteritis Clinical Trials:



- [The Implementation of a Gastroenteritis Education Program](#)
Gastroenteritis Interventions: Behavioral: Standard gastroenteritis education; Behavioral: Extensive gastroenteritis education

Gastroenteritis Patents:



- 7381524- [Method to detect antibodies specific for type-2 turkey astrovirus](#)
- 7393934- [Human G-protein chemokine receptor \(CCR5\) HDGNR10](#)
- 7396459- [Internal UV treatment of potable water systems](#)
- 7396663- [Isolated polynucleotide encoding a G-protein coupled receptor](#)
- 7396812- [Method for modulating Nod1 activity, use of a MTP related molecule for modulating Nod1 activity, and therapeutic applications thereof](#)
- 7396840- [Chemokine receptor binding heterocyclic compounds](#)
- 7396914- [SARS nucleic acids, proteins, antibodies, and uses thereof](#)
- 7399473- [Virus coat protein/receptor chimeras and method of use](#)
- 7399480- [Methods of administering tetrazole-containing rapamycin analogs with other therapeutic substances using medical devices](#)
- 7399837- [Recombinant IL-5 antagonists useful in treatment of IL-5 mediated disorders](#)
- 7402246- [Systems and methods using multiple solvents for the removal of lipids from fluids](#)
- 7393844- [Tetrahydropyranyl cyclopentyl heterocyclic amide modulators of chemokine receptor activity](#)
- 7390806- [Antibiotics containing borinic acid complexes and methods of use](#)
- 7390803- [Tetrahydropyranyl cyclopentyl benzylamide modulators of chemokine receptor activity](#)
- 7381738- [Substituted bicycloalkylamine derivatives as modulators of chemokine receptor activity](#)
- 7381800- [Antibodies to HBIMF63 polypeptide](#)
- 7384645- [Outer membrane vesicles from gram negative bacteria and use as a vaccine](#)
- 7384748- [Compositions and methods for detecting and treating motor neuron disorders](#)

- 7384771- [Beta 1,4-N-acetylgalactosaminyltransferases from C. jejuni](#)
- 7384909- [Anti-viral treatment methods using phosphatidylethanolamine-binding peptides linked to anti-viral agents](#)
- 7384921- [Polymorphic forms of 6-11 bicyclic ketolide derivatives](#)
- 7384922- [6-11 bridged oxime erythromycin derivatives](#)
- 7390519- [Probiotic Lactobacillus salivarius strains](#)
- 7390787- [Compositions and methods for treating infections using analogues of indolicidin](#)
- 7402410- [Humanized immunoglobulin reactive with .alpha.4.beta.7 integrin](#)
- 7402564- [Synthetic peptide amides](#)
- 7411039- [GLP-2 compounds, formulations, and uses thereof](#)
- 7411051- [Antibodies to HDPPA04 polypeptide](#)
- 7411054- [25869, 25934, 26335, 50365, 21117, 38692, 46508, 16816, 16839, 49937, 49931 and 49933 molecules and uses therefor](#)
- 7411091- [N-acyl-N'-benzyl-alkylendiamino derivatives](#)
- 7413866- [Compositions and methods for detecting and treating diseases and conditions related to chemokine receptors](#)
- 7414030- [6-11 Bicyclic erythromycin derivatives](#)
- 7414031- [5-nitro-nucleoside compounds for treating viral infections](#)
- 7414123- [Nucleic acids encoding 7C10 and 16C10 CD80-specific antibodies](#)
- 7416745- [Preventives or remedies for infection, anti-endotoxin agents, vaccine adjuvants and growth promoters](#)
- 7417072- [Blockade of Pin1 prevents cytokine production by activated immune cells](#)
- 7410984- [Compounds](#)
- 7410975- [Small molecule toll-like receptor \(TLR\) antagonists](#)
- 7410961- [2,6-disubstituted piperidines as modulators](#)
- 7402568- [Bicyclic 9a-azalide derivatives](#)
- 7402572- [Immunostimulatory nucleic acid molecules](#)
- 7402657- [C-C chemokine receptor 3 proteins](#)
- 7405215- [Indole acetic acids exhibiting CRTH2 receptor antagonism and uses thereof](#)
- 7405275- [Antibodies which bind human CXCR3](#)
- 7405276- [Method of producing bispecific molecules by protein trans-splicing](#)
- 7405302- [5-lipoxygenase-activating protein \(FLAP\) inhibitors](#)
- 7407662- [Modified viral particles with immunogenic properties and reduced lipid content](#)
- 7407663- [Modified immunodeficiency virus particles](#)
- 7407942- [3,6-bridged 9,12-oxolides](#)
- 7417128- [7C10 and 16C10 CD80-specific antibodies](#)

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