

# Neutropenia

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Neutropenia, from Latin prefix neutro- and Greek suffix -penia, is a hematological disorder characterized by an abnormally low number of neutrophil granulocytes. Neutrophils usually make up 50-70% of circulating white blood cells and serve as the primary defense against infections by destroying bacteria in the blood. Hence, patients with neutropenia are more susceptible to bacterial infections and without prompt medical attention, the condition may become life-threatening. Neutropenia can be acute or chronic depending on the duration of the illness. A patient has chronic neutropenia if the condition lasts for greater than 3 months. It is sometimes used interchangeably with the term leukopenia. However, neutropenia is more properly considered a subset of leukopenia as a whole. ([From the Wikipedia article Neutropenia.](#))



## Recent Publications on Neutropenia:

- [Pegfilgrastim in children with severe congenital neutropenia.](#)  
*Two pediatric patients affected by severe congenital neutropenia (SCN)...* 21st November, 2009  
Haematology Unit, Giannina Gaslini Childrens' Hospital, Genoa, Italy.- *Pediatr Blood Cancer.* 2009 Nov 19. ([DOI Direct Link](#))
- [A predictor of unfavourable outcome in neutropenic paediatric patients presenting with fever of unknown origin.](#)  
*BACKGROUND: No sensitive, specific marker able to discriminate favourable...* 21st November, 2009  
Department of Paediatric Oncology, Institute Gustave Roussy, Villejuif,- *Pediatr Blood Cancer.* 2009 Nov 19. ([DOI Direct Link](#))
- [VNCOP-B plus rituximab therapy in elderly patients with aggressive B-cell non-Hodgkin lymphoma: A multicenter experience.](#)  
*CHOP (cyclophosphamide, adriamycin, vincristine, and prednisolone) plus...* 21st November, 2009  
Department of Hematology, Kishiwada City Hospital, 1001 Gakuhara-cho,- *Arch Gerontol Geriatr.* 2009 Nov 17. ([DOI Direct Link](#))
- [Role of Latent Feline Leukemia Virus Infection in Nonregenerative Cytopenias of Cats.](#)  
*Background: Nonregenerative cytopenias such as nonregenerative anemia...* 21st November, 2009  
Clinic of Small Animal Medicine, LMU University of Munich, Munich,- *J Vet Intern Med.* 2009 Nov 17. ([DOI Direct Link](#))
- [Methylene tetrahydrofolate reductase gene polymorphism in Egyptian children with acute lymphoblastic leukemia.](#)  
*Genetic variations of the enzymes involved in chemotherapy metabolism in...* 20th November, 2009  
aPediatric Department, Faculty of Medicine, Ain Shams University, Egypt- *Blood Coagul Fibrinolysis.* 2009 Nov 17. ([DOI Direct Link](#))
- [A Pilot Study for Combination Chemotherapy Using Gemcitabine and S-1 for Advanced Pancreatic Cancer.](#)

- Objectives: We performed a pilot study of a modified combination...*20th November, 2009  
Department of Gastroenterology, Faculty of Medicine, University of Tokyo,- Oncology. 2009 Nov 17;77(5):300-303. ([DOI Direct Link](#))
- [Good outcome with trimethoprim 10 mg/kg/day-sulfamethoxazole 50 mg/kg/day for Pneumocystis jirovecii pneumonia in HIV infected patients.](#)  
*Pneumocystis jirovecii pneumonia (PCP) in human immunodeficiency virus...*20th November, 2009  
Department of Infectious Diseases, Auckland City Hospital, Auckland, New- Scand J Infect Dis. 2009;41(11-12):862-868.
  - [Clinical efficacy of a bortezomib, cyclophosphamide, thalidomide, and dexamethasone \(Vel-CTD\) regimen in patients with relapsed or refractory multiple myeloma: a phase II study.](#)  
*The clinical efficacy and safety of a four-drug combination of bortezomib,...*19th November, 2009  
Chonnam National University Medical School, Gwangju, Republic of Korea.- Ann Hematol. 2009 Nov 18. ([DOI Direct Link](#))
  - [Phase I/II study of sequential therapy with irinotecan and S-1 for metastatic colorectal cancer.](#)  
*Background:Both irinotecan (CPT-11) and S-1 are active against colorectal...*19th November, 2009  
[1] Department of Clinical Oncology, Institute of Development, Aging and- Br J Cancer. 2009 Nov 17. ([DOI Direct Link](#))
  - [\[Chemotherapy-Induced Myelosuppression and Treatment Efficacy in Extensive-Stage Small Cell Lung Cancer.\]](#)  
*We examined the association between chemotherapy-induced myelosuppression...*19th November, 2009  
Dept. of Pharmaceutics, Showa University School of Medicine.- Gan To Kagaku Ryoho. 2009 Nov;36(11):1839-1843.
  - [\[Combination Chemotherapy of S-1 and CPT-11 for Advanced Recurrent Gastric Cancer.\]](#)  
*We performed combination chemotherapy using S-1 and CPT-11 for advanced...*19th November, 2009  
Emergency Medical Center, Fujisawa City Hospital.- Gan To Kagaku Ryoho. 2009 Nov;36(11):1833-1837.
  - [Randomized Trial and Pharmacokinetic Study of Pegfilgrastim versus Filgrastim after Dose-Intensive Chemotherapy in Young Adults and Children with Sarcomas.](#)  
*PURPOSE: To compare the effectiveness, tolerance, and pharmacokinetics of...*19th November, 2009  
Authors' Affiliations: Pediatric Oncology Branch and Biostatistics and- Clin Cancer Res. 2009 Nov 17. ([DOI Direct Link](#))
  - [Epidermodysplasia Verruciformis Associated with Myelodysplastic Syndrome: An Intriguing Association.](#)  
*BACKGROUND:Epidermodysplasia verruciformis (EV) is a rare genodermatosis...*19th November, 2009  
- J Cutan Med Surg. 2009 Dec 1;13(6):317-320.
  - [Levamisole tainted cocaine causing severe neutropenia in Alberta and British Columbia.](#)  
*ABSTRACT: BACKGROUND: Five cases of severe neutropenia (neutrophil counts...*19th November, 2009  
- Harm Reduct J. 2009 Nov 17;6(1):30. ([DOI Direct Link](#))
  - [Phase 2 trial of combination thalidomide plus temozolomide in patients with metastatic malignant melanoma: Southwest Oncology Group S0508.](#)  
*BACKGROUND:: In limited institution phase 2 studies, thalidomide and...*18th November, 2009  
Loyola University Stritch School of Medicine, Maywood, Illinois.- Cancer. 2009 Nov 13. ([DOI Direct Link](#))

## BioNews Results for Neutropenia

- [OncQuest launches UGT1 A1 genotyping for predicting therapeutic response of Irinotecan in colorectal cancers](#)

- PharmaBiz: Nov 21 2009 2:42AM Matching: neutropenia*
- [Genasense Given as High-Dose IV Infusion with Chemotherapy Shows Promising Activity in Advanced Melanoma](#)  
*Pharmacy Choice: Nov 20 2009 10:24PM Matching: neutropenia*
  - [Genasense Given as High-Dose IV Infusion with Chemotherapy Shows Promising Activity in Advanced Melanoma](#)  
*Pharma Live: Nov 20 2009 10:12PM Matching: neutropenia*
  - [Genasense Given as High-Dose IV Infusion with Chemotherapy Shows Promising Activity in Advanced Melanoma](#)  
*Yahoo! Canada: Nov 20 2009 3:56PM Matching: neutropenia*
  - [Committee For Medicinal Products For Human Use Summary Of Positive Opinion\\* For Docetaxel Teva](#)  
*Pharma Live: Nov 20 2009 2:29PM Matching: neutropenia*
  - [Genasense Given as High-Dose IV Infusion with Chemotherapy Shows Promising Activity in Advanced Melanoma](#)  
*Genetic Engineering News: Nov 20 2009 1:50PM Matching: neutropenia*
  - [Pegfilgrastim in children with severe congenital neutropenia](#)  
*MDLinx: Nov 20 2009 12:07PM Matching: neutropenia*
  - [NeoPharm Presents The Phase I Data For Patients With Metastatic Solid Tumors](#)  
*Medical News Today: Nov 19 2009 9:59AM Matching: neutropenia*
  - [Enzon Presents Data at 2009 EORTC Meeting](#)  
*Pharmacy Choice: Nov 19 2009 9:36PM Matching: neutropenia*
  - [Enzon Presents Data at 2009 EORTC Meeting](#)  
*Freshnews.com: Nov 19 2009 8:50PM Matching: neutropenia*
  - [Enzon Presents Data at 2009 EORTC Meeting](#)  
*SmartBrief: Nov 19 2009 6:31PM Matching: neutropenia*
  - [TopoTarget reports Phase I study findings for belinostat plus Velcade](#)  
*Therapeutics Daily: Nov 19 2009 3:16PM Matching: neutropenia*
  - [Induction Chemotherapy and Cetuximab for Locally Advanced Squamous Cell Carcinoma of the Head and Neck: Result](#)  
*Journal of Clinical Oncology: Nov 19 2009 6:31AM Matching: neutropenia*
  - [Teva Launches TevaGrastim \(filgrastim\)](#)  
*Pharmacy Europe: Nov 19 2009 3:39AM Matching: neutropenia*
  - [/CORRECTION Teva UK Ltd/](#)  
*Pharmacy Choice: Nov 19 2009 3:24AM Matching: neutropenia*

## Neutropenia Patents:

- 7589068- [Inhibitors of Akt activity](#)
- 7598419- [Compounds for modulating cell proliferation](#)
- 7601335- [Pretreatment of a biological sample from an autoimmune disease subject](#)
- 7601355- [Compositions and methods for altering immune function](#)
- 7601514- [Nucleic acid encoding PRO10268 polypeptides](#)
- 7601690- [Cross-linked glycopeptide-cephalosporin antibiotics](#)
- 7601703- [Enzyme catalyzed therapeutic agents](#)



- 7601809- [Cytokine receptor zcytor19](#)
- 7604799- [EphA4 Antibodies](#)
- 7605229- [PRO87299 polypeptides](#)
- 7605236- [Antibodies that immunospecifically bind to B lymphocyte stimulator protein](#)
- 7598289- [Ketones and reduced ketones as therapeutic agents for the treatment of bone conditions](#)
- 7598277- [Inhibitors of p38](#)
- 7598234- [Steroid derived antibiotics](#)
- 7589093- [Alkyl substituted indoloquinolines](#)
- 7589118- [IAP BIR domain binding compounds](#)
- 7591997- [Method for determining the susceptibility of a subject to infection](#)
- 7592010- [Albumin fusion proteins](#)
- 7592311- [Platelet production promoting agent](#)
- 7592342- [Quinoxaline derivatives as PI3 kinase inhibitors](#)
- 7592425- [Cytokine zalpha11 ligand fusion proteins](#)
- 7592455- [Bicyclic heteroaromatic compounds as kinase inhibitors](#)
- 7595337- [Mitotic kinesin inhibitors](#)
- 7597886- [Tumor necrosis factor-gamma](#)
- 7608452- [Polynucleotides encoding cytokine receptor zcytor19](#)
- 7608683- [Stress proteins and peptides and methods of use thereof](#)
- 7615359- [Copolymer 1 related polypeptides for use as molecular weight markers and for therapeutic use](#)
- 7615383- [Methods for treating neuropathy by agonist anti-trk-C monoclonal antibodies](#)
- 7615531- [Methods of reducing the likelihood of spontaneous abortion](#)
- 7615533- [TPO peptide compounds for treatment of anemia](#)
- 7618628- [CD16A binding proteins and use for the treatment of immune disorders](#)
- 7618633- [Antibodies that bind CD40 and methods of treating cancer and enhancing immune responses](#)
- 7618791- [Methods of detecting cancer with antibodies to cytokine receptor ZCYTOR19](#)
- 7618938- [Treating cerebrovascular diseases with erythropoietin and granulocyte-colony stimulating factor jointly](#)
- 7618971- [Mitotic kinesin inhibitors](#)
- 7618992- [Method of treating cancer by co-administration of anticancer agents](#)
- 7615219- [Inhibition of PACAP signalling for the prevention and treatment of thrombocytopenia](#)
- 7615212- [Compositions and methods for the systemic treatment of arthritis](#)
- 7615209- [Compositions of NDV and methods of use thereof for treatment of cancer](#)
- 7608687- [Releasable linkage and compositions containing same](#)
- 7608739- [Mitotic kinesin inhibitors](#)
- 7611699- [Methods of using cytokine zalpha11 ligand](#)
- 7612037- [Cross-linked glycopeptide-cephalosporin antibiotics](#)
- 7612064- [Sulfopyrroles](#)
- 7612065- [Inhibitors of c-JUN N-terminal kinases \(JNK\)](#)
- 7612071- [Compositions and methods employing aminopterin](#)
- 7612091- [Caspase inhibitors and uses thereof](#)
- 7612200- [Inhibitors of protein kinases](#)
- 7613343- [Nosologic system of diagnosis](#)
- 7619067- [Evolved interferon-alpha polypeptides](#)

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