

Anemia

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Anemia or anēmīa/anaemia , from the Greek meaning "without blood", is a deficiency of red blood cells and/or hemoglobin. This results in a reduced ability of blood to transfer oxygen to the tissues, causing tissue hypoxia. Since all human cells depend on oxygen for survival, varying degrees of anemia can have a wide range of clinical consequences. Hemoglobin has to be present to ensure adequate oxygenation of all tissues and organs. The three main classes of anemia include excessive blood loss , excessive blood cell destruction or deficient red blood cell production . Anemia is the most common disorder of the blood. There are several kinds of anemia, produced by a variety of underlying causes. Anemia can be classified in a variety of ways, based on the morphology of RBCs, underlying etiologic mechanisms, and discernible clinical spectra, to mention a few. There are two major approaches of classifying anemias, the "kinetic" approach which involves evaluating production, destruction and loss, and the "morphologic" approach which groups anemia by red blood cell size. The morphologic approach uses a quickly available and cheap lab test as its starting point . On the other hand, focusing early on the question of production may allow the clinician more rapidly to expose cases where multiple causes of anemia coexist. ([From the Wikipedia article Anemia .](#))

Recent Publications on Anemia:



- [Chemotherapy intensity and toxicity among black and white women with advanced and recurrent endometrial cancer: a Gynecologic Oncology Group Study.](#)
*BACKGROUND:: The purpose of this study was to confirm whether black and...*20th November, 2009
Department of Obstetrics and Gynecology, Uniformed Services University of- Cancer. 2009 Nov 18. ([DOI Direct Link](#))
- [Evidence for a Lack of a Direct Transcriptional Suppression of the Iron Regulatory Peptide Heparin by Hypoxia-Inducible Factors.](#)
*BACKGROUND: Heparin is a major regulator of iron metabolism and plays a...*20th November, 2009
Department of Nephrology and Hypertension, University Hospital Erlangen,- PLoS One. 2009 Nov 18;4(11):e7875. ([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](#))
- [Successful Management of Anti-Jr Alloimmunization in Pregnancy: A Case Report.](#)
*Background: Hemolytic disease of the fetus/newborn due to Jr(a)...*20th November, 2009
Department of Obstetrics and Gynecology, Okayama University Graduate- Gynecol Obstet Invest. 2009 Nov 19;69(2):81-83. ([DOI Direct Link](#))

- [High Prevalence Rates of Anemia, Vitamin A Deficiency and Stunting Imperil the Health Status of Bedouin Schoolchildren in North Badia, Jordan.](#)
*Aims: This survey aimed to identify nutritional deficits affecting Bedouin...*20th November, 2009
Department of Community Medicine, Faculty of Medicine, Jordan University- Ann Nutr Metab. 2009 Nov 13;55(4):358-367. ([DOI Direct Link](#))
- [Early onset of autoimmune disease by the retroviral integrase inhibitor raltegravir.](#)
*Raltegravir is a recently, Food and Drug Administration-approved,...*20th November, 2009
Department of Microbiology and Immunology, University of California, San- Proc Natl Acad Sci U S A. 2009 Nov 18. ([DOI Direct Link](#))
- [\[Clinical significance of detecting serum erythropoietin in patients with leukemia.\]](#)
*OBJECTIVE: To detect serum erythropoietin (EPO) levels in patients with...*20th November, 2009
Department of Hematology, Shenzhen Hospital of Peking University, Shenzhen- Nan Fang Yi Ke Da Xue Xue Bao. 2009 Nov 20;29(11):2321-2323.
- [Diabetic acido-ketosis revealing thiamine-responsive megaloblastic anemia.](#)
*Thiamine-responsive megaloblastic anemia (TRMA) is a rare autosomal...*20th November, 2009
Service de medecine infantile A, hopital d'Enfants de Tunis, Jebari, 1007- Ann Endocrinol (Paris). 2009 Nov 17. ([DOI Direct Link](#))
- [Vitamin B6 deficiency and anemia in pregnancy.](#)
*Iron deficiency is the most common cause of anemia in pregnancy. Pregnant...*19th November, 2009
Department of Perinatology, National Center for Child Health and- Eur J Clin Nutr. 2009 Nov 18. ([DOI Direct Link](#))
- [Eager Blood Donor.](#)
*Blood donor questionnaire is an integral component of blood safety,...*19th November, 2009
From the Medical Branch, Ground Forces Command, Israel Defense Forces,- J Patient Saf. 2009 Jun;5(2):67-68. ([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.
- [Thrombotic thrombocytopenic purpura as the first manifestation of metastatic adenocarcinoma in a young woman.](#)
*Thrombotic microangiopathy occurs in 5-10% of patients with...*11th June, 2009
Adnan Menderes University Medical Faculty, Division of Hematology, 09100- Transfus Apher Sci. 2009 Nov 16. ([DOI Direct Link](#))
- [Anemia in Adults With Congenital Heart Disease Relates to Adverse Outcome.](#)
*OBJECTIVES: To assess the relation of anemia in noncyanotic adults with...*11th June, 2009
Adult Congenital Heart Centre and Centre for Pulmonary Hypertension, Royal- J Am Coll Cardiol. 2009 Nov 24;54(22):2093-2100. ([DOI Direct Link](#))
- [Role of Latent Feline Leukemia Virus Infection in Nonregenerative Cytopenias of Cats.](#)
*Background: Nonregenerative cytopenias such as nonregenerative anemia,...*11th June, 2009
Clinic of Small Animal Medicine, LMU University of Munich, Munich,- J Vet Intern Med. 2009 Nov 17. ([DOI Direct Link](#))
- [Tricky B-usiness: hematogones in aplastic anemia.](#)
*Background: Nonregenerative cytopenias such as nonregenerative anemia,...*11th June, 2009
Department of Pediatric Hematology and Oncology, University of Freiburg,- Leuk Lymphoma. 2009 Nov 19.

- [Recombinant Human Erythropoietin, Epogin Injection Application for Approval of Additional Indication of Chemoth](#)
CHUGAI PHARMACEUTICAL: Nov 20 2009 10:44AM Matching: anemia
- [Recombinant Human Erythropoietin, Epogin Injection Application for Approval of Additional Indication of C](#)
Biotech Intelligence: Nov 19 2009 1:11PM Matching: anemia
- [Medical News: Breast Cancer Campaign: New Breast Cancer Research Funding For Belfast](#)
BioFind: Nov 19 2009 5:49PM Matching: anemia
- [Queens University Belfast to study individualized radiotherapy treatment for breast cancer](#)
News-Medical.Net: Nov 19 2009 8:29AM Matching: anemia
- [Treatment of Anemia in Chronic Kidney Disease - Strategies Based on Evidence](#)
New England Journal of Medicine: Nov 19 2009 6:37AM Matching: anemia
- [Anemia and Iron Deficiency -- New Therapeutic Targets in Heart Failure?](#)
Bioscience Technology Online: Nov 19 2009 6:16AM Matching: anemia
- [FAIR-HF: Intravenous iron improves chronic heart failure outcomes](#)
MedWire News: Nov 18 2009 9:10PM Matching: anemia
- [Breast Cancer Campaign: New Breast Cancer Research Funding for Belfast](#)
Genetic Engineering News: Nov 18 2009 3:20PM Matching: anemia
- [Postop Anemia in High-CV-Risk Patients: No CV Gains From Fixed Hemoglobin Target in Trial](#)
Medscape: Nov 18 2009 1:09AM Matching: anemia
- [Hematologic Disorder Classification](#)
Advance for Medical Laboratory Professionals: Nov 17 2009 11:12PM Matching: anemia
- [American Heart Association Late-breaking Clinical Trial Report: Risks of Anemia Drug Outweigh Benefits in Cardiovascular Disease Patients With Diabetes and Kidney Disease](#)
Individual.com: Nov 17 2009 9:55AM Matching: anemia
- [Anemia TREATment fails to yield CV benefits, ups stroke risk](#)
MedWire News: Nov 17 2009 6:23PM Matching: anemia
- [American Heart Association Late-Breaking Clinical Trial Report: Study Finds no Significant Cardiovascular Differences Between More Aggressive or Restrictive Post-Operative Treatment of Anemia](#)
Individual.com: Nov 17 2009 9:55AM Matching: anemia
- [Drugs to Lower Anemia Risk Linked to Pulmonary Embolism](#)
Modern Medicine: Nov 17 2009 1:54AM Matching: anemia
- [AHA: Correcting Iron Helps in CHF, Anemia or Not](#)
MedPage Today: Nov 17 2009 4:55PM Matching: anemia

Anemia Clinical Trials:



- [Rituximab to Treat Moderate Aplastic Anemia, Pure Red Cell Aplasia, or Diamond Blackfan Anemia](#)



Anemia Patents:

- 7612073- [Methods of administering tetrahydrobiopterin, associated compositions, and methods of measuring](#)
- 7615208- [Metal ion-labeled bis-aminoethanethiol-targeting ligand conjugates, compositions, and methods for tissue-specific disease imaging](#)
- 7615212- [Compositions and methods for the systemic treatment of arthritis](#)
- 7615217- [Artificial proteins with reduced immunogenicity](#)
- 7615219- [Inhibition of PACAP signalling for the prevention and treatment of thrombocytopenia](#)
- 7615223- [Selected immunoconjugates for binding to aminophospholipids](#)
- 7615239- [Tea for treating dermatitis comprising herbal extracts](#)
- 7615240- [Method and composition for the control of gastrointestinal parasites in animals](#)
- 7615359- [Copolymer 1 related polypeptides for use as molecular weight markers and for therapeutic use](#)
- 7615380- [Methods for modulating an immune response by modulating KRC activity](#)
- 7615531- [Methods of reducing the likelihood of spontaneous abortion](#)
- 7615207- [Methods for treating irritable bowel syndrome](#)
- 7613343- [Nosologic system of diagnosis](#)
- 7612238- [Amino-propanol derivatives](#)
- 7612078- [Piperidinylamino-thieno\[2,3-D\] pyrimidine compounds](#)
- 7612080- [GTPase inhibitors and use thereof for controlling platelet hyperactivity](#)
- 7612090- [Aryl and heteroaryl substituted tetrahydroisoquinolines and use thereof](#)
- 7612091- [Caspase inhibitors and uses thereof](#)
- 7612178- [Anti-IGF-1R antibodies and uses thereof](#)
- 7612180- [Humanized L243 antibodies](#)
- 7612181- [Dual variable domain immunoglobulin and uses thereof](#)
- 7612182- [Anti-IL-6 antibodies, compositions, methods and uses](#)
- 7612191- [Polynucleotides encoding interleukin-17 receptor homologue](#)
- 7612200- [Inhibitors of protein kinases](#)
- 7615533- [TPO peptide compounds for treatment of anemia](#)
- 7615552- [Fused heterocyclic compounds](#)
- 7618792- [Multiplexed detection of anti-red cell alloantibodies](#)
- 7618938- [Treating cerebrovascular diseases with erythropoietin and granulocyte-colony stimulating factor jointly](#)
- 7618954- [Inositol pyrophosphates, and methods of use thereof](#)
- 7618971- [Mitotic kinesin inhibitors](#)
- 7618984- [Sulfonamide compound](#)
- 7619000- [S-dimethylarsino-thiosuccinic acid S-dimethylarsino-2-thiobenzoic acid S-\(dimethylarsino\) glutathione as treatments for cancer](#)
- 7619004- [Methods for concomitant administration of colchicine and macrolide antibiotics](#)
- 7619062- [PRO214 polypeptides](#)
- 7619071- [Antibodies that bind interleukin-17 receptor homologue](#)
- 7619073- [Method for purifying erythropoietin](#)
- 7618791- [Methods of detecting cancer with antibodies to cytokine receptor ZCYTOR19](#)
- 7618782- [Methods of diagnosing muscle damage](#)
- 7618781- [Nucleic acids for detecting B-cell malignancy](#)

- 7615611- [Human cytokine receptor](#)
- 7615625- [In vitro amplification of nucleic acid molecules via circular replicons](#)
- 7616979- [Uterine tissue monitoring device and method](#)
- 7618628- [CD16A binding proteins and use for the treatment of immune disorders](#)
- 7618629- [Manipulation of cytokine levels using CD83 gene products](#)
- 7618632- [Method of treating or ameliorating an immune cell associated pathology using GITR ligand antibodies](#)
- 7618639- [Synergistic phytoceutical compositions](#)
- 7618657- [Active ingredients preparation and single compound purification from traditional Chinese herbal medicine Fructus Trichosanthis and uses thereof](#)
- 7618776- [Rolling circle replication reporter systems](#)
- 7618777- [Composition and method for array hybridization](#)
- 7620502- [Methods for identifying sets of oligonucleotides for use in an in vitro recombination procedure](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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