

# Hemangioma

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A hemangioma is an abnormal build up of blood vessels in the skin or internal organs. It is also described as a congenital benign skin lesion consisting of dense, usually elevated masses of dilated blood vessels". In most cases, hemangiomas will disappear over time. They are formed either during gestation or appear during the first few weeks of life and may present as a birthmark. Hemangiomas are the most common childhood tumor occurring in approximately ten percent of Caucasians, and are less prevalent in other races. Females are three to five times more likely to have hemangiomas than males. Hemangiomas can be vivid superficial lesions, known as capillary hemangiomas , or they can be deep bluish swelling, known as cavernous hemangiomas. Sometimes they can be both superficial and deep. Approximately eighty percent are located on the face and neck, with the next most prevalent location being the liver. Although hemangiomas are benign, some serious complications can occur. The cause of hemangioma is currently unknown; however, several studies have suggested the importance of estrogen signaling in hemangioma proliferation. In 2007, a paper from the Stanford Children's Surgical Laboratory revealed that localized soft tissue hypoxia coupled with increased circulating estrogen after birth may be the stimulus. There is also a hypothesis presented by researchers at Harvard and the University of Arkansas that maternal placenta embolizes to the fetal dermis during gestation resulting in hemangiogenesis, yet Duke researchers conducted genetic analyses of small nucleotide polymorphisms in hemangioma tissue compared to the mother's DNA that contradicted this notion. More research is required in order to fully understand the explosive nature of hemangioma growth which will hopefully yield targeted therapeutics to treat its most complicated presentations. ([From the Wikipedia article Hemangioma](#).)

## Recent Publications on Hemangioma:



- [Rapidly involuting congenital hemangioma: A case of complete prenatal involution.](#)  
*We report a case of rapidly involuting congenital hemangioma of the flank,...*10th November, 2009  
Acibadem University School of Medicine, Department of Radiology, Acibadem- J Clin Ultrasound. 2009 Nov 6. ([DOI Direct Link](#))
- [Verapamil sensitive ventricular tachycardia associated with a cardiac hemangioma in the right ventricular outflow tract.](#)  
*Primary tumors of the heart are rare, but they are often associated with...*10th November, 2009  
The Children's Hospital of New York-Morgan Stanley Children's- Indian Pacing Electrophysiol J. 2009 Nov 1;9(6):355-9.
- [Laparoscopic resection of a retroperitoneal hemangioma arising from ovarian vessels.](#)  
*Hemangiomas are known to be common benign tumors. However, hemangiomas of...*10th November, 2009  
Department of Obstetrics and Gynecology, Catholic University of Daegu,- J Minim Invasive Gynecol. 2009 Nov-Dec;16(6):778-80. ([DOI Direct Link](#))

- [MR imaging of soft tissue masses in children.](#)  
*This article discusses the role of MR imaging in the evaluation of...*10th November, 2009  
Department of Radiology, University of California, Davis, 4860 Y Street,- Radiol Clin North Am. 2009 Nov;47(6):977-95. ([DOI Direct Link](#))
- [MR imaging of primary bone tumors and tumor-like conditions in children.](#)  
*This article provides a review of the MR imaging features of the major...*10th November, 2009  
Department of Radiology, University of California, Davis Medical Center,- Radiol Clin North Am. 2009 Nov;47(6):957-75. ([DOI Direct Link](#))
- [An operated case of retroperitoneal venous hemangioma complicated with Kasabach-Merritt syndrome which was well controlled by danaparoid sodium.](#)  
*A 32-year-old woman was admitted with intermittent rectal bleeding with...*7th November, 2009  
Department of Medicine, Osaka Koseinenkin Hospital.- Nippon Shokakibyo Gakkai Zasshi. 2009 Nov;106(11):1660-8.
- [\[Response to oral propranolol therapy for ulcerated hemangiomas in infancy.\]](#)  
*INTRODUCTION: Hemangioma is the most common tumor of infancy. Ulceration...*7th November, 2009  
Cabinet de dermatologie, residence V Avenue, 14, place des Grenadiers,- Arch Pediatr. 2009 Nov 3. ([DOI Direct Link](#))
- [Vascular tumors and malformations of the colon.](#)  
*The term "hemangioma" refers to the common tumor of infancy that exhibits...*6th November, 2009  
- World J Gastroenterol. 2009 Nov 7;15(41):5242-3.
- [Clinical Experience in the Treatment of Different Vascular Lesions Using a Neodymium-Doped Yttrium Aluminum Garnet Laser.](#)  
*BACKGROUND A neodymium-doped yttrium aluminum garnet (Nd:YAG) laser has...*6th November, 2009  
Civas Clinic, Ankara, Turkey.- Dermatol Surg. 2009 Nov 3. ([DOI Direct Link](#))
- [Angiosarcoma, radiation-associated angiosarcoma, and atypical vascular lesion.](#)  
*Angiosarcoma, one of the least common sarcomas, has become increasingly...*6th November, 2009  
Department of Pathology, University of Michigan, Ann Arbor, MI 48109, USA.- Arch Pathol Lab Med. 2009 Nov;133(11):1804-9.
- [Rapidly-growing hemangioma of the testicle clinically simulating an aggressive neoplasm. A case report.](#)  
*We present a case of intraparenchymatous capillary-type hemangioma of the...*6th November, 2009  
Department of Pathologic Anatomy and Forensic Medicine, Section of- Pathologica. 2009 Jun;101(3):123-5.
- [Partial splenectomy for treatment of splenic hemangioma.](#)  
*BACKGROUND: Although splenectomy is helpful in the management of splenic...*5th November, 2009  
Hope Hospital-Federal University of Pernambuco, Recife, Pernambuco,- Chirurgia (Bucur). 2009 Jul-Aug;104(4):483-6.
- [Impact of Virtual Imaging Procedures on Treatment Strategies in Children With Hepatic Vascular Malformations.](#)  
*OBJECTIVES:: Virtual imaging procedures have only rarely been analyzed in...*3rd November, 2009  
\*Department of Pediatric Surgery, Germany daggerDepartment of Pediatric- J Pediatr Gastroenterol Nutr. 2009 Oct 29. ([DOI Direct Link](#))
- [Transarterial embolization of a scalp hemangioma presenting with Kasabach-Merritt syndrome.](#)  
*A 2-month-old infant presented with an enlarging scalp hemangioma and...*3rd November, 2009  
Department of Neurological Surgery, University of Miami Miller School of- J Neurosurg Pediatr. 2009 Nov;4(5):453-7. ([DOI Direct Link](#))
- [Hematoma in the cervical ligamentum flavum. Report of a case and review of the literature.](#)  
*Hematoma of the cervical ligamentum flavum is very rare, and its...*31st October, 2009  
Department of Orthopedics, Institute of Health Biosciences, The University- Skeletal Radiol. 2009 Oct 30. ([DOI Direct Link](#))

## BioNews Results for Hemangioma

- [Propranolol treatment for infantile hemangiomas](#)  
*MDLinx: Nov 13 2009 11:06AM Matching: hemangioma*
- [Speaker uses wit to spread disability message](#)  
*Independent Collegian: Nov 6 2009 5:53PM Matching: hemangioma*
- [WCE suitable for detecting small intestinal pathology in young children](#)  
*MedWire News: Nov 4 2009 5:37AM Matching: hemangioma*
- [High Dose Iodine 125 Episcleral Brachytherapy for Circumscribed Choroidal Hemangioma.](#)  
*British Journal of Ophthalmology: Oct 14 2009 11:26PM Matching: hemangioma*
- [High Dose Iodine 125 Episcleral Brachytherapy for Circumscribed Choroidal Hemangioma. \[Clinical Science\]](#)  
*British Journal of Ophthalmology: Oct 13 2009 4:09AM Matching: hemangioma*
- [Round table: Vision screenings vs. mandatory exams, MRI vs. CT](#)  
*PCON SuperSite: Oct 13 2009 12:49PM Matching: hemangioma*
- [Experts To Examine New Treatment Options For Vascular Anomalies](#)  
*Medical News Today: Oct 9 2009 9:47AM Matching: hemangioma*

## Hemangioma Clinical Trials:



- [Propranolol in Capillary Hemangiomas](#)

## Hemangioma Patents:



- 7576074- [Receptor-type kinase modulators and methods of use](#)
- 7585647- [Nucleic acid encoding recombinant interferon](#)
- 7585841- [Methods and compositions useful for modulation of angiogenesis using tyrosine kinase Src](#)
- 7585895- [Therapeutic substituted cyclopentanes](#)
- 7588760- [Antagonists specific for denatured collagen and methods of using same](#)
- 7588898- [Biomarker for gestational trophoblastic disease](#)
- 7589057- [Oil-in-water method for making alpha-2 agonist polymeric drug delivery systems](#)
- 7589068- [Inhibitors of Akt activity](#)
- 7589098- [Methods and compositions utilizing quinazolinones](#)
- 7589118- [IAP BIR domain binding compounds](#)
- 7592008- [Membrane scaffold proteins](#)
- 7585622- [Increasing the proliferative capacity of cells using telomerase reverse transcriptase](#)

- [7582756- 3-\(4-amidopyrrol-2-ylmethylidene\)-2-indolinone derivatives as protein kinase inhibitors](#)
- [7582726- VEGF receptor antagonists](#)
- [7576114- N3 alkylated benzimidazole derivatives as MEK inhibitors](#)
- [7576204- Heterocyclic macrolide pharmaceutical agent, a method of producing the same and use of the same](#)
- [7576209- Inhibitors of Akt activity](#)
- [7579166- Glycoprotein and process for producing the same](#)
- [7579320- IAP BIR domain binding compounds](#)
- [7579355- Inhibitors of Akt activity](#)
- [7579473- c-Met modulators and methods of use](#)
- [7582441- Methods and compositions for treating and diagnosing disease](#)
- [7582662- Body weight gain inhibitor](#)
- [7582668- Imidazolyl-benzamide anti-cancer agents](#)
- [7592010- Albumin fusion proteins](#)
- [7595038- Methods of treatment using antibodies to follistatin-3](#)
- [7608635- Pyrazole compounds that modulate HSP90 activity](#)
- [7608638- Tocopherols, tocotrienols, other chroman and side chain derivatives and uses thereof](#)
- [7608643- Compounds for inhibiting KSP kinesin activity](#)
- [7608739- Mitotic kinesin inhibitors](#)
- [7611704- Compositions and methods for treating viral infections using antibodies and immunoconjugates to aminophospholipids](#)
- [7611715- Agaricus extract for preventing the induction or metastasis of cancer](#)
- [7611879- 27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
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- [7612182- Anti-IL-6 antibodies, compositions, methods and uses](#)
- [7615223- Selected immunoconjugates for binding to aminophospholipids](#)
- [7608394- Methods and compositions for phenotype identification based on nucleic acid methylation](#)
- [7605266- Azaindole inhibitors of Aurora kinases](#)
- [7605235- Anti-tissue factor antibodies and compositions](#)
- [7595047- Compositions and methods for promoting or inhibiting angiogenesis](#)
- [7595051- Methods of treating neovascular glaucoma, macular degeneration and capillary proliferation with alphavbeta3-specific antibodies](#)
- [7595325- Substituted pyrrolo\[2,3-d\]pyrimidine derivatives useful in cancer treatment](#)
- [7595337- Mitotic kinesin inhibitors](#)
- [7597886- Tumor necrosis factor-gamma](#)
- [7598283- Indazole, benzisoxazole, and benzisothiazole kinase inhibitors](#)
- [7598348- Adiponectin receptor variant, AdipoR2v2](#)
- [7598383- Heterocyclic inhibitors of MEK and methods of use thereof](#)
- [7601694- CLK-peptide and SLK-peptide](#)
- [7601716- Pyridopyrazines and derivatives thereof as ALK and c-Met inhibitors](#)
- [7615565- VEGFR-2 and VEGFR-3 inhibitory anthranilamide pyridines](#)

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