

## Choroid

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The choroid, also known as the choroidea or choroid coat, is the vascular layer of the eye lying between the retina and the sclera, with a thickness about 0.5 mm. The choroid provides oxygen and nourishment to the outer layers of the retina [<http://www.eyeglossary.net/#C>]. Along with the ciliary body and iris, the choroid forms the uveal tract. In humans and other primates, darkly colored melanin pigment in the choroid helps limit reflections within the eye that would potentially result in the perception of confusing images. Poor vision frequently results from lack of this pigmentation in human albinos. By contrast, the choroid of many other animals contains reflective materials that help to collect light in dim situations; this is one type of tapetum lucidum. The red eye effect on photos is caused by the reflection of light from choroid. It appears red because of the choroid's blood vessels. ([From the Wikipedia article Choroid](#).)

### Recent Publications on Choroid:



- [Congenital Tumors of the Central Nervous System: The MCH Experience.](#)  
*Introduction: Congenital brain tumors in the younger pediatric population...*13th November, 2009  
Division of Neurosurgery, The Ottawa Hospital, Ottawa, Ont., Canada.- *Pediatr Neurosurg.* 2009 Nov 11;45(5):368-374. ([DOI Direct Link](#))
- [Angiographic changes after bevacizumab.](#)  
*Aims: To evaluate the changes of morphological and functional...*13th November, 2009  
- *Ophthalmology.* 2009 Nov;116(11):2263.e1. ([DOI Direct Link](#))
- [Effect of zeaxanthin and antioxidant supplementation on vascular endothelial growth factor \(VEGF\) expression in apolipoprotein-E deficient mice.](#)  
*PURPOSE: Apolipoprotein E(-/-) deficient (apoE(-/-)) mice develop...*11th November, 2009  
Ophthalmology Research Laboratory, University of Navarra, Pamplona, Spain.- *Curr Eye Res.* 2009 Jul;34(7):543-52.
- [Comparison between stereo angiographic findings and histopathologic findings in endotoxin-induced uveitis.](#)  
*PURPOSE: To carry out a three-dimensional analysis of uveitis using stereo...*11th November, 2009  
Department of Ophthalmology and Visual Science, Kanazawa University- *Curr Eye Res.* 2009 Jul;34(7):536-42.
- [Analysis of chromosomal aberration \(1, 3, and 8\) and association of microRNAs in uveal melanoma.](#)  
*PURPOSE: Uveal melanoma is the most common intraocular primary tumor,...*10th November, 2009  
L&T Department of Ocular Pathology, Vision Research Foundation, Sankara- *Mol Vis.* 2009 Oct 22;15:2146-54.
- [Enhanced depth imaging optical coherence tomography of the choroid in central serous chorioretinopathy.](#)  
*PURPOSE: The purpose of the study was to evaluate the choroidal thickness...*10th November, 2009

- Vitreous-Retina-Macula Consultants of New York, New York, NY 10022, USA.- Retina. 2009 Nov-Dec;29(10):1469-73. ([DOI Direct Link](#))
- [Diabetic retinopathy and choroidal angiopathy in diabetic rats \(WBN/Kob\).](#)  
*Retinopathy and choroidal angiopathy were both detected in aged male rats...*10th November, 2009  
Department of Pathology, Faculty of Pharmaceutical Sciences, Setsunan- Exp Anim. 2009 Oct;58(5):481-7.
  - [Nanoparticle - integrin antagonist C16Y peptide treatment of choroidal neovascularization in rats.](#)  
*Choroidal neovascularization (CNV) is the major cause of severe vision...*10th November, 2009  
Chemical and Biomolecular Engineering, Sogang University, Seoul, South- J Control Release. 2009 Nov 3. ([DOI Direct Link](#))
  - [Onset of cognitive dysfunction in systemic lupus erythematosus and selective involvement of the choroid plexus.](#)  
*Choroidal neovascularization (CNV) is the major cause of severe vision...*7th November, 2009  
Hospital Israelita Albert Einstein and Research Institute, Avenida Albert- J Rheumatol. 2009 Nov;36(11):2554-5. ([DOI Direct Link](#))
  - [Choroidal Thickness in Healthy Japanese Subjects.](#)  
*PURPOSE. To study the posterior choroidal thickness and its profile based...*7th November, 2009  
Ophthalmology, Osaka University Medical School, Suita, Japan.- Invest Ophthalmol Vis Sci. 2009 Nov 5. ([DOI Direct Link](#))
  - [Ocular Hemodynamic Effects of Nitrovasodilators in Healthy Subjects.](#)  
*Nitric oxide (NO) plays a key role in the regulation of ocular blood flow...*6th November, 2009  
Department of Clinical Pharmacology, Medical University of Vienna, Vienna,- Clin Pharmacol Ther. 2009 Nov 4. ([DOI Direct Link](#))
  - [Systemic and cerebral inflammatory response to umbilical cord occlusions with worsening acidosis in the ovine fetus.](#)  
*OBJECTIVE: We hypothesized that repetitive umbilical cord occlusions...*6th November, 2009  
Department of Obstetrics and Gynecology, Lawson Health Research Institute,- Am J Obstet Gynecol. 2009 Nov 2. ([DOI Direct Link](#))
  - [Change of Morphological and Functional Characteristics of Retinal Pigment Epithelium Cells during Cultivation of Retinal Pigment Epithelium-Choroid Perfusion Tissue Culture.](#)  
*Aims: To evaluate the changes of morphological and functional...*6th November, 2009  
Department of Ophthalmology, University of Kiel, Kiel, Germany.- Ophthalmic Res. 2009 Oct 29;43(3):122-133. ([DOI Direct Link](#))
  - [Immune Cell Entry to Central Nervous System-Current Understanding and Prospective Therapeutic Targets.](#)  
*Under normal physiological conditions there is minimal entry of immune...*4th November, 2009  
University of Edinburgh, Centre for Inflammation Research and Centre for- Endocr Metab Immune Disord Drug Targets. 2009 Oct 30.
  - [Distribution of prolactin-responsive neurons in the mouse forebrain.](#)  
*Prolactin has numerous biological actions in the brain, and transgenic...*3rd November, 2009  
Centre for Neuroendocrinology, Department of Anatomy and Structural- J Comp Neurol. 2010 Jan 1;518(1):92-102. ([DOI Direct Link](#))

## BioNews Results for Choroid

- [Ranibizumab monotherapy for sub-foveal haemorrhage secondary to choroidal neovascularisation in age-related macular degeneration](#)  
*Eye: Nov 13 2009 12:02PM Matching: choroid*
- [QLT Inc. - Pharmaceuticals & Healthcare - Deals and Alliances Profile - new report released](#)  
*PR inside: Nov 13 2009 11:00AM Matching: choroid*

- [Photodynamic therapy for choroidal neovascularisation secondary to basal laminar drusen](#)  
*Eye: Nov 12 2009 7:04PM Matching: choroid*
- [Intravitreal bevacizumab for treatment-naive patients with subfoveal occult choroidal neovascularization secondary to age-related macular degeneration](#)  
*MDLinx: Nov 11 2009 10:32AM Matching: choroid*
- [A reappraisal of the significance of largest basal diameter of posterior uveal melanoma](#)  
*Nature: Nov 10 2009 10:59AM Matching: choroid*
- [Study: Photodynamic therapy provides no additional benefit to anti-VEGF therapy](#)  
*OSN Super Site: Nov 9 2009 5:34PM Matching: choroid*
- [Anti-VEGF therapy for choroidal neovascularisation previously treated with photodynamic therapy](#)  
*MDLinx: Nov 9 2009 11:51AM Matching: choroid*
- [Choroidal Vasculopathy: Research on choroidal vasculopathy reported by scientists at RIKEN](#)  
*NewsRX: Nov 6 2009 6:26AM Matching: choroid*
- [The effect of intravitreal bevacizumab treatment on choroidal metastasis of colon adenocarcinoma case report](#)  
*Eye: Nov 6 2009 12:29PM Matching: choroid*
- [Anti-VEGF therapy for choroidal neovascularisation previously treated with photodynamic therapy](#)  
*Eye: Nov 6 2009 12:29PM Matching: choroid*
- [Retinal and choroidal angiopathy and electrophysiological disturbance in a case of amyloid AA](#)  
*Eye: Nov 6 2009 12:29PM Matching: choroid*
- [Putting the Brakes on AMD](#)  
*Ophthalmology Management: Nov 5 2009 1:32PM Matching: choroid*
- [Endovascular coil embolization of anterior choroidal artery aneurysms](#)  
*MDLinx: Nov 5 2009 11:50AM Matching: choroid*
- [Endovascular coil embolization of anterior choroidal artery aneurysms Clinical article 963](#)  
*Journal of Neurosurgery: Oct 30 2009 2:40PM Matching: choroid*
- [Ranibizumab Can Help Patients With Age-Related Macular Degeneration and Diabetic Macular Oedema Regain Vision:](#)  
*Doctors Guide: Oct 29 2009 12:29AM Matching: choroid*

#### Choroid Clinical Trials:



- [Treatment of Tumors of the Choroid Plexus Epithelium](#)

#### Choroid Patents:



- 7575880- [Method of screening an antibody for activity in clearing an amyloid deposit](#)

- 7585497- [Induction of apoptosis and cell growth inhibition by protein 4.33](#)
- 7585517- [Transscleral delivery](#)
- 7585622- [Increasing the proliferative capacity of cells using telomerase reverse transcriptase](#)
- 7585945- [Use of recombinant heat shock protein complexed to kidney cancer antigen](#)
- 7588766- [Treatment of amyloidogenic disease](#)
- 7588925- [Phospholipases and uses thereof](#)
- 7589057- [Oil-in-water method for making alpha-2 agonist polymeric drug delivery systems](#)
- 7589059- [Delivery of molecules and complexes to mammalian cells in vivo](#)
- 7589107- [Amelioration of vitrectomy-induced cataracts](#)
- 7589119- [Methods for treating or preventing metastatic cancer using benzopyranone compounds](#)
- 7585280- [System and method for measuring the pressure of a fluid system within a patient](#)
- 7582733- [Humanized antibodies that recognize beta amyloid peptide](#)
- 7582643- [Heterocyclic compounds useful in treating diseases and conditions](#)
- 7576189- [Antibodies to human vascular endothelial growth factor 2 and methods of using the same](#)
- 7576475- [Actuator device and method of manufacturing the same](#)
- 7579313- [Transglutaminase inhibitors and methods of use thereof](#)
- 7579324- [Conjugates of biologically active compounds, methods for their preparation and use, formulation and pharmaceutical applications thereof](#)
- 7579329- [P450RAI-2 \(P450 cytochrome 26B\), encoding nucleic acid molecules and methods and uses thereof](#)
- 7582068- [Occlusion resistant hydrocephalic shunt](#)
- 7582080- [Implantable, tissue conforming drug delivery device](#)
- 7582281- [Ethylenedicysteine \(EC\)-drug conjugates compositions and methods for tissue specific disease imaging](#)
- 7582297- [Methods of treating respiratory conditions](#)
- 7582440- [Imaging, diagnosis and treatment of disease](#)
- 7589190- [Potent LNA oligonucleotides for the inhibition of HIF-1A expression](#)
- 7592010- [Albumin fusion proteins](#)
- 7601700- [Modulation of eIF4E expression](#)
- 7602954- [Method for quantitative video-microscopy and associated system and computer software program product](#)
- 7604795- [Nanoparticles for protein drug delivery](#)
- 7608260- [Stabilized immunoglobulins](#)
- 7608704- [Secreted proteins](#)
- 7610098- [Charge-integrating retinal prosthesis and method](#)
- 7612047- [Degradation-resistant mononucleoside phosphate compounds](#)
- 7612171- [DB, the receptor for leptin, nucleic acids encoding the receptor, and uses thereof](#)
- 7612200- [Inhibitors of protein kinases](#)
- 7612880- [Advanced polarization imaging method, apparatus, and computer program product for retinal imaging, liquid crystal testing, active remote sensing, and other applications](#)
- 7601525- [Alginate gel scaffold having a plurality of continuous parallel microtubular copper capillaries](#)
- 7601332- [Vitamin receptor binding drug delivery conjugates](#)
- 7600405- [Microsurgical probe](#)
- 7592016- [Methods for preparing and using implantable substance delivery devices](#)
- 7592324- [RNAi-mediated inhibition of ocular targets](#)
- 7592330- [Methods and compositions for preserving the viability of photoreceptor cells](#)
- 7592341- [Peptide-enhanced corneal drug delivery](#)
- 7593559- [Method and system of coregistrating optical coherence tomography \(OCT\) with other clinical tests](#)
- 7595045- [Anti-.alpha.9 integrin antibody and the use thereof](#)
- 7595048- [Method for treatment of cancer by inhibiting the immunosuppressive signal induced by PD-1](#)
- 7595430- [Methods and animal model for analyzing age-related macular degeneration](#)
- 7597907- [Antioxidant polymer nanocarriers for use in preventing oxidative injury](#)

- 7598269- [Methods and compositions for treating amyloid-related diseases](#)
- 7615208- [Metal ion-labeled bis-aminoethanethiol-targeting ligand conjugates, compositions, and methods for tissue-specific disease imaging](#)

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