

Astrocytoma

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Astrocytomas are primary intracranial tumors derived from astrocytes cells of the brain. They may arise in the cerebral hemispheres, in the posterior fossa, in the optic nerve, and rarely, the spinal cord. The WHO has given a four point scale depending on the histologic grade of the tumor . This article focuses on the well-differentiated astrocytoma. For grade 1 and 4 astrocytomas, see respective article headings: ([From the Wikipedia article Astrocytoma](#).)

Recent Publications on Astrocytoma:



- [Extracellular Osmolarity Modulates G protein-Coupled Receptor Dependent ATP Release from 1321N1 Astrocytoma Cells.](#)
*We previously reported that ATP release from 1321N1 human astrocytoma...*13th November, 2009
1Case Western Reserve University.- Am J Physiol Cell Physiol. 2009 Nov 11. ([DOI Direct Link](#))
- [Characterization of R132H Mutation-specific IDH1 Antibody Binding in Brain Tumors.](#)
*Heterozygous point mutations of isocitrate dehydrogenase (IDH)1 codon 132...*12th November, 2009
Department of Neuropathology, Institute of Pathology,- Brain Pathol. 2009 Oct 27. ([DOI Direct Link](#))
- [Multiple extracranial metastases from secondary glioblastoma multiforme: a case report and review of the literature.](#)
*Extracranial metastasis of glioblastoma multiforme (GBM) is very rare, in...*10th November, 2009
Department of Radiation Oncology, Qilu Hospital, Shandong University,- J Neurooncol. 2009 Nov 7. ([DOI Direct Link](#))
- [Primary spinal cord glioma: a Surveillance, Epidemiology, and End Results database study.](#)
*To characterize the overall survival (OS) and cause specific survival...*10th November, 2009
Department of Radiation Oncology, University of Rochester Medical Center,- J Neurooncol. 2009 Nov 7. ([DOI Direct Link](#))
- [Treatment of malignant gliomas with TGF-beta2 antisense oligonucleotides.](#)
*Antisense oligodeoxynucleotides (AS-ODNs) have been widely used to...*10th November, 2009
Department of Neurology, University of Regensburg, Medical School,- Expert Rev Anticancer Ther. 2009 Nov;9(11):1663-74. ([DOI Direct Link](#))
- [Imaging of hypoxic lesions in patients with gliomas by using positron emission tomography with 1-\(2-\[\(18\)F\] fluoro-1-\[hydroxymethyl\]ethoxy\)methyl-2-nitroimidazole, a new \(18\)F-labeled 2-nitroimidazole analog.](#)
*Object Assessment of hypoxic conditions in brain tumors is important for...*10th November, 2009
Departments of Neurosurgery.- J Neurosurg. 2009 Nov 6. ([DOI Direct Link](#))
- [F-18 FDG-PET imaging of dysembryoplastic neuroepithelial tumor-like astrocytoma.](#)
*Cerebral astrocytoma needs to be distinguished from dysembryoplastic...*7th November, 2009
Department of Radiology, Research Institute of Brain and Blood Vessels,- Clin Nucl Med. 2009

- Oct;34(10):700-2. ([DOI Direct Link](#))
- [Glioma-astrocyte interaction modifies the astrocyte phenotype in a co-culture experimental model.](#)
*As the majority of gliomas arise through malignant transformation of...*4th November, 2009
Department of Human Morphology and Biomedical Sciences 'Citta Studi',- Oncol Rep. 2009
Dec;22(6):1349-56.
 - [Evaluation of intracranial space-occupying lesion with Tc99m-glucoheptonate brain single photon emission computed tomography in treatment-naive patients.](#)
*BACKGROUND: Glucoheptonate is a glucose analog with strong affinity for...*4th November, 2009
Department of Neurosurgery, Sanjay Gandhi Postgraduate Institute of Medical- J Postgrad Med. 2009
Jul-Sep;55(3):180-4. ([DOI Direct Link](#))
 - [Proteomics of tumor-specific proteins in cerebrospinal fluid of patients with astrocytoma: usefulness of gelsolin protein.](#)
*Changes in cerebrospinal fluid (CSF) composition have been shown to...*4th November, 2009
Department of Molecular Diagnosis, Graduate School of Medical Sciences,- Pathol Int. 2009
Nov;59(11):797-803. ([DOI Direct Link](#))
 - [Congenital gliosarcoma: detailed clinicopathologic documentation of a rare neoplasm.](#)
*Abstract Congenital brain tumors are rare. Clinically, they often result...*4th November, 2009
1 Division of Neonatology, Children's and Women's Health Centre of British- Pediatr Dev Pathol. 2009
Sep-Oct;12(5):398-403. ([DOI Direct Link](#))
 - [Oral atovaquone for the treatment of severe Pneumocystis jirovecii pneumonia in a patient with glucose-6-phosphate dehydrogenase deficiency.](#)
*Abstract We present a case of severe Pneumocystis jirovecii pneumonia and...*4th November, 2009
3rd Department of Critical Care, Athens University, Evgenidion Hospital,- Scand J Infect Dis. 2009 Nov
2.
 - [\[A case of pontine astrocytoma with unusual neuroimaging features\]](#)
*We would like to report a rare case of pontine glioma with unusual...*4th November, 2009
Department of Neurosurgery, Southern Tohoku Research Institute for- No Shinkei Geka. 2009
Oct;37(10):1001-6.
 - [\[A survey of neurosurgeons' policies and attitudes regarding the disclosure of a diagnosis of glioma and the decision to pursue end-of-life care in glioma patients\]](#)
*OBJECTIVES: Patients with malignant gliomas have an even worse prognosis...*4th November, 2009
Neurosurgery Division, National Cancer Center Hospital, 5-1-1 Tsukiji,- No Shinkei Geka. 2009
Oct;37(10):973-81.
 - [Therapy-related myelodysplastic syndrome/acute myeloid leukemia after treatment with temozolomide in a patient with glioblastoma multiforme.](#)
*Therapy-related myelodysplastic syndrome and acute leukemia after...*3rd November, 2009
Department of Laboratory Medicine, Yonsei University College of Medicine,- Ann Clin Lab Sci. 2009
Fall;39(4):392-8.

BioNews Results for Astrocytoma

- [Research and Markets: Competitor Analysis: TGF-R Agonists and Antagonists - A Competitor Evaluation in the Field of Transforming Growth Factor Recepto](#)
Yahoo! Canada: Nov 11 2009 3:11PM Matching: astrocytoma
- [Findings May Spur Development of Drugs to Treat Brain Tumors in Infants](#)
Biotech Daily: Nov 9 2009 4:22PM Matching: astrocytoma
- [Caspase-dependent generation of reactive oxygen species in human astrocytoma cells contributes to resistance to TRAIL-mediated apoptosis](#)
Cell Death and Differentiation: Oct 30 2009 3:20PM Matching: astrocytoma
- [Mutation linked to pediatric brain tumor may pave way for targeted treatment](#)

- Washington University in St. Louis: Oct 29 2009 10:24PM Matching: astrocytoma*
- [Analysis of the mismatched manifestation between rCBF and rCBV maps in cerebral astrocytomas](#)
Clinical Imaging: Oct 28 2009 7:25AM Matching: astrocytoma
 - [Health Canada approves Antisense Pharma's clinical Phase III study SAPPHIRE in aggressive brain tumors](#)
Pharma Live: Oct 20 2009 7:32AM Matching: astrocytoma
 - [HK reports 32nd A/H1N1 flu death case](#)
CHINAdaily: Oct 20 2009 3:57PM Matching: astrocytoma
 - [HK reports 32nd A/H1N1 flu death case](#)
Xinhua News Agency: Oct 20 2009 3:55PM Matching: astrocytoma
 - [Antisense Pharma receives Health Canada approval for pivotal Phase III clinical trial SAPPHIRE](#)
Therapeutics Daily: Oct 20 2009 9:24AM Matching: astrocytoma
 - [Health Canada approves Antisense Pharma's clinical Phase III study SAPPHIRE in aggressive brain tumors](#)
CNW Telbec: Oct 19 2009 2:43PM Matching: astrocytoma
 - [Health Canada Approves Antisense Pharma's Clinical Phase III Study SAPPHIRE in Aggressive Brain Tumors](#)
Therapeutics Daily: Oct 19 2009 12:23PM Matching: astrocytoma
 - [Health Canada approves Antisense Pharma's clinical Phase III study SAPPHIRE in aggressive brain tumors](#)
Canadian Business Magazine: Oct 19 2009 11:33AM Matching: astrocytoma
 - [Health Canada approves Antisense Pharma's clinical Phase III study SAPPHIRE in aggressive brain tumors](#)
Canadian Business Magazine: Oct 19 2009 11:33AM Matching: astrocytoma
 - [Health Canada approves Antisense Pharma's clinical Phase III study SAPPHIRE in aggressive brain tumors](#)
Canada NewsWire: Oct 19 2009 11:06AM Matching: astrocytoma
 - [Two Gene Mutations Linked to Most Common Brain Cancers - 2/19/09](#)
Johns Hopkins Medicine: Oct 16 2009 8:17PM Matching: astrocytoma

Astrocytoma Clinical Trials:



- [Effects of Vaccinations With HLA-A2-Restricted Glioma Antigen-Peptides in Combination With Poly-ICLC for Adults With High-Risk WHO Grade II Astrocytomas and Oligo-Astrocytomas](#)

Astrocytoma Patents:



- 7595154- [Method of detecting a neoplasia associated with an activating platelet derived growth factor receptor alpha \(PDGFRA\) mutation](#)
- 7599745- [Treating a tumor or the like with an electric field](#)
- 7601355- [Compositions and methods for altering immune function](#)
- 7601359- [Compositions and methods for the prevention and treatment of primary and metastatic neoplastic diseases and infectious diseases with heat shock/stress proteins](#)
- 7601496- [Cleavage of nucleic acids](#)
- 7601694- [CLK-peptide and SLK-peptide](#)
- 7601700- [Modulation of eIF4E expression](#)
- 7601716- [Pyridopyrazines and derivatives thereof as ALK and c-Met inhibitors](#)
- 7601724- [Substituted pyrazolo\[1,5-a\]pyrimidines as protein kinase inhibitors](#)
- 7601745- [Heterocyclic NF-kB inhibitors](#)
- 7604799- [EphA4 Antibodies](#)
- 7598355- [Characterization of GRP94-ligand interactions and purification, screening, and therapeutic methods relating thereto](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)
- 7598345- [Immunostimulatory compositions and methods](#)
- 7595158- [Bcl2L12 polypeptide activators and inhibitors](#)
- 7595308- [Compositions for treating and/or preventing diseases characterized by the presence of metal ions](#)
- 7595320- [Hydrazinocarbonyl-thieno\[2,3-C\]pyrazoles, process for preparing them, compositions containing them and use thereof](#)
- 7595332- [Amides that inhibit vanilloid receptor subtype 1 \(VR1\)](#)
- 7595337- [Mitotic kinesin inhibitors](#)
- 7597884- [Hyperglycosylated polypeptide variants and methods of use](#)
- 7597886- [Tumor necrosis factor-gamma](#)
- 7598049- [Methods for diagnosis of Alzheimer's Disease in blood samples](#)
- 7598232- [Amino-substituted \(E\)-2,6-dialkoxystryryl 4-substituted-benzylsulfones for treating proliferative disorders](#)
- 7598239- [Conjugated psychotropic drugs and uses thereof](#)
- 7604947- [Detection and modulation of cancer stem cells](#)
- 7605149- [Modulation of the phospholipase A2 pathway as a therapeutic](#)
- 7611711- [VEGFR-3 inhibitor materials and methods](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7611910- [Method for diagnosis of alzheimer's disease](#)
- 7612039- [Method of cell growth inhibition with agnoprotein](#)
- 7612162- [Peptide analogs capable of enhancing stimulation of a glioma-specific CTL response](#)
- 7612178- [Anti-IGF-1R antibodies and uses thereof](#)
- 7612202- [Process for preparing temozolomide](#)
- 7615208- [Metal ion-labeled bis-aminoethanethiol-targeting ligand conjugates, compositions, and methods for tissue-specific disease imaging](#)
- 7615209- [Compositions of NDV and methods of use thereof for treatment of cancer](#)
- 7615570- [Antagonists to the vanilloid receptor subtype 1 \(VR1\) and uses thereof](#)
- 7608739- [Mitotic kinesin inhibitors](#)
- 7608643- [Compounds for inhibiting KSP kinesin activity](#)
- 7608635- [Pyrazole compounds that modulate HSP90 activity](#)
- 7605155- [Substituted pyrazolo\[1,5-a\]pyrimidines as protein kinase inhibitors](#)
- 7605175- [Inhibitors of cyclin-dependent kinases, compositions and uses related thereto](#)
- 7605236- [Antibodies that immunospecifically bind to B lymphocyte stimulator protein](#)
- 7605241- [Synthesis of inhibitors of p90Rsk](#)
- 7605266- [Azaindole inhibitors of Aurora kinases](#)
- 7608260- [Stabilized immunoglobulins](#)

- 7608392- [Diagnostic assay for measuring a cell mediated immune response](#)
- 7608394- [Methods and compositions for phenotype identification based on nucleic acid methylation](#)
- 7608612- [Radiosensitizer formulations and methods for use](#)
- 7608634- [Substituted pyrrolines as kinase inhibitors](#)
- 7615632- [Crystalline forms of temozolomide](#)

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