

CURRICULUM VITAE

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**Professor
Chief, Neuropathology Section
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Education: M.D., 1986, George Washington University, Washington, D.C.
M.S., 1981 (Biological Sciences/Developmental Biology), George
Washington University, Washington, D.C.
B.S., 1979 (Chemistry/Biology), George Washington University

Postgraduate Training:
1993 Neuropathology Fellow, Department of Pathology and Laboratory
Medicine, University of Florida School of Medicine, Gainesville, FL

1990-1991 Surgical Pathology Fellow, Department of Pathology and Laboratory
Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA

1986-1990 Resident (AP/NP), Department of Pathology and Laboratory Medicine,
Hospital of the University of Pennsylvania, Philadelphia, PA

Academic Appointments:
2008-Present Professor of Pathology and Laboratory Medicine, University of Florida
College of Medicine, Gainesville, Florida

1998-2007 Associate Professor of Pathology and Laboratory Medicine, University of
Florida College of Medicine, Gainesville, Florida

1994-1998 Assistant Professor of Pathology and Laboratory Medicine, University of
Florida College of Medicine, Gainesville, Florida

1991-1993 Lecturer and Assistant Professor in Pathology and Laboratory Medicine, Children's Hospital of Philadelphia (U. Penn.), Philadelphia, PA

1986-1991 Assistant Instructor, Department of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA

Licensure: FLORIDA #ME 64555 (exp. 1/31/15)
 PENNSYLVANIA #MD 043562-E (inactive)

Board Certification: **Anatomic Pathology:** Primary certification by the American Board of Pathology, 20 November 1991.
Special Qualification in Neuropathology: American Board of Pathology 31 May 1994.

Awards, Honors & Fellowships:

2013-2014 - President: American Association of Neuropathologists
2012-2013 - President Elect: American Association of Neuropathologists
2010-2011 - University of Florida College of Medicine Basic Science Teacher of the Year

2010 - Pathology Resident Educator of the Year
2009 - Most Valuable Professor in Pathology, University of Florida College of Medicine, Class of 2011

2007 - American Association of Neuropathologists Moore Award for best paper on Neuro-Oncology at the 2007 Annual Meeting

2004 - "A Shands Star" Shands HealthCare, National Quality Week
2004 - UF College of Medicine Exemplary Teaching Faculty
2002 - University of Florida Neurology Faculty Didactic Teaching Award
2001 - Most Inspirational Professor in Pathology, University of Florida College of Medicine, Class of 2003

2000 - Faculty Recognition Award for Resident Teaching in Pathology
1997-1999 - Pathology Instructor of the Year, University of Florida College of Medicine, Classes of 1999, 2000, 2001

1997 - Second in voting for Basic Science Teacher of the Year, UF COM
1996 - American Association of Neuropathologists Moore Award for best paper on Clinicopathologic Correlation at the 1996 Annual Meeting

1994-95 - Co-Sponsor, College of American Pathologists Scholars Award
1991-93 - Association for Brain Tumor Research Fellowship
1991 - Horatio T. Enterline Award: Surgical Pathology, U Penn.

NATIONAL AFFILIATIONS

Senior Associate Editor: *Laboratory Investigation* (July 1, 2003-July 1, 2008)
Associate Editor: *Histopathology* (July 2013-2017)

Member of Editorial Board: *Journal of Neuropathol. Experimental Neurol.* (1998-2003)

Member of Editorial Board: *Laboratory Investigation* (July 1, 2008-Present)

Ad-Hoc Reviewer for Scholarly Journals:

Acta Neuropathologica

American Journal of Clinical Pathology

Archives of Pathology and Laboratory Medicine

Brain Pathology

Brain Research

Clinical Neuropathology

Endocrine Pathology

Histopathology

Human Pathology

Journal of Histochemistry and Cytochemistry

Journal of Neuropathology and Experimental Neurology

Modern Pathology

RNA

Southern Medical Journal

Surgical Pathology

National Committees and Societies:

2013-2014	President: American Association of Neuropathologists
2013-2017	Education Committee: US & Canadian Academy of Pathology
2012-2015	Publications Committee: US & Canadian Academy of Pathology
2009-2010	Vice President: American Association of Neuropathologists
2007-2013	Moderator, Diagnostic Slide Session (AANP)
2005-2012	Neuropathology Committee, College of American Pathologists (CAP)
2005-2010	Professional Affairs Committee of the AANP
2003-2007	<i>Grant Reviewer:</i> Children's Brain Tumor Foundation, New York, NY
2002-2010	American Academy of Neurology Residency Examination Subcommittee (Neuropathology Committee Chair: 2005-2007)
2002-Present	Charter Member, Diagnostic Slide Session (AANP)
1998-Present	Arthur Purdy Stout Society of Surgical Pathologists
1995-Present	American Association of Neuropathologists (AANP)
1994-Present	Florida Medical Association
1986-Present	U.S. and Canadian Academy of Pathology, Inc.
1983-Present	William Beaumont Medical Society
1980-Present	American Association for the Advancement of Science

University of Florida Committees and Governance

2011-present	-	UF Medical School Admissions Committee
2008-2009	-	Chair: Neurology Chair Search Committee UF-COM
2005-Present	-	UF Shands Cancer Center Grant Review Committee

- 2003-2006 - Member of University of Florida Faculty Senate
- 2001-2005 - Pathology Representative, Primary Advisory Panel, Protocol Review and Resource Utilization Committee (PRRUC)
- 1998-2003 - Chair, University of Florida, Pathology Dept. Clinical Research Committee
- 1998-2003 - Pathology Residency Committee
- 1997-Present - Curriculum Committee: Systemic Pathology Course for Second Year MS

Major Teaching Responsibilities & Experience:

University of Florida:

- 1993-Present - Medical student lectures and laboratory sessions in BMS 5600: Systemic Pathology and Laboratory Medicine
 - 1995-2000 - Second year medical student coordinator for clinicopathologic case study
 - 1993-Present - Clinical teaching of residents in Pathology, Neurology, and Neurosurgery
 - 1995-Present - Member of Graduate Research Faculty
- Ph.D. Supervisory Committees:
1. D. Blaine Moore, Neuroscience, (Dissertation Chair: M. Heaton, Ph.D.) Graduated 2000.
 2. Lauren Fishbine, Pediatric Genetics (Dissertation Chair: Peggy Wallace, Ph.D.) Graduated 2005
 3. Leah Vallegas, College of Pharmacy, Pharmaceutics (Dissertation Chair: Sean Sullivan, Ph.D.) Graduated 2007.
 4. James Graham, Neuroscience, (Dissertation Chair: David Muir, PhD)

University of Pennsylvania:

- 1986-1993 Teaching Instructor: Pathology 100 and 200 Laboratory Sessions, first and second year medical students; supervision of junior pathology residents

Publications (in chronological order):

BOOKS:

“*Ultimate Review for the Neurology Boards*” text and companion website. Edited By: Hubert Fernandez, MD, Stephan Eisenschenk, MD, **Anthony T. Yachnis**, MD, Michael S. Okun, MD. Demos Medical Publishing, C 2006, ISBN 1-888799-91-9.

“*High Yield Neuropathology*” **Anthony T. Yachnis**, Marie Rivera-Zengotita, Eds. Elsevier, Philadelphia, PA, 2014.

BOOK CHAPTERS:

1. **Yachnis AT.** Cerebellar Heterotopia and Dysplasia. In: *Pediatric Neuropathology*, B Harding, J Golden, Eds., International Society of Neuropathology, ISN Neuropathology Press, Basel, Switzerland, 2004.

2. Roper, SN, **Yachnis AT**. Neuronal Heterotopia in Temporal Lobe Epilepsy: An Epiphenomenon. In: *Issues and Controversies in Epilepsy Surgery*, JW Miller, DL Silbergeld, Eds., Marcel Dekker, Inc., New York, NY, pp. 113-121, 2005.
3. **Yachnis AT**. Vascular Diseases. In: *Foundations in Diagnostic Pathology - Neuropathology*, RA Prayson Ed., Foundations in Neuropathology series, Elsevier, Philadelphia, PA, pp. 37-72, 2005.
4. **Yachnis AT**, Baker HV. Applications of Gene Expression Profiling to the Study of Malignant Gliomas. In: Runge M, Patterson C, eds. *The Principles of Molecular Medicine, Second Edition*. Totowa, NJ, USA: Humana Press, 2006, pp. 760-765.
5. Rosenblum M, **Yachnis AT**. Lhermitte-Duclos Disease. In: McLendon RE, Rosenblum M, Bigner DD. eds. *Russell and Rubinstein's Pathology of Tumors of the Nervous System, Seventh Edition*. New York: Oxford University Press, 2006, pp. 378-388.
6. **Yachnis AT**. Capillary Hemangioblastoma. In: McLendon RE, Rosenblum M, Bigner DD. eds. *Russell and Rubinstein's Pathology of Tumors of the Nervous System, Seventh Edition*. New York: Oxford University Press, 2006, pp. 489-507.
7. Decker DA, Perry A, **Yachnis AT**. Vascular and Ischemic Brain Disorders. In: Perry A, Brat D. eds. *Practical Surgical Neuropathology*, Elsevier, Philadelphia, PA, 2010, pp. 165-184.
8. **Yachnis AT**, Perry A. Embryonal (Primitive) Neoplasms. In: Perry A, Brat D. eds. *Practical Surgical Neuropathology*, Elsevier, Philadelphia, PA, 2010, pp. 527-550.
9. **Yachnis AT**, Adesina A. Medulloblastoma. In: eMedicine – Pathology (2011).
10. **Yachnis AT**, Adesina A. Embryonal Tumors. In: eMedicine – Pathology (2011).
11. **Yachnis AT**. Vascular Diseases. In: *Foundations in Diagnostic Pathology - Neuropathology*, 2nd Edition, RA Prayson Ed., Foundations in Neuropathology series, Elsevier, Philadelphia, PA, 2012, pp. 40-74.
12. **Yachnis AT**. Introduction to Basic Neuropathology. In: A. Joseph Layon, MD, Andrea Gabrielli, MD, William A. Friedman, MD Eds. *A Textbook of Neuro-intensive Care*, Springer-Verlag, London, pp. 89-106, 2013.
13. Muhammad M. Abd-El-Barr MD PhD¹, Kristopher G. Hooten MD¹, Gregory J. A. Murad MD¹, **Anthony T. Yachnis MD MS²**, Jeffrey Bennett MD³, Amy Smith MD^{1,4}, David W. Pincus MD PhD^{1,4} **Chapter 22 Pineal Region Tumors** In: *Tumors of the Pediatric Central Nervous System*, Thieme Publishers, 2012.
14. Kresak JL, Rivera-Zengotita M, Foss R, **Yachnis AT**. CNS Intra-operative Consultation: A Survival Guide. In: Day C, eds. *"Histopathology: Methods and Protocols"* Methods Mol Biol 2014;1180:369-376.

15. **Yachnis AT**. Craniopharyngioma: Embryology, pathology, and molecular aspects. In: Tyler J. Kenning, James J. Evans Eds. "Craniopharyngiomas: A Comprehensive Guide to Diagnosis, Treatment, and Outcome." Elsevier, IN PRESS.

JOURNAL ARTICLES:

1. **Yachnis AT**, Mescher AL: Stimulation of DNA synthesis in BALB/c 3T3 cells by peripheral nerve degenerating in vitro. *Exp Neurol* 76:139-149, 1982.
2. **Yachnis AT**. Mitogenic effect of myelinated versus unmyelinated garfish nerve extracts. *Brain Res* 253:349-352, 1982.
3. **Yachnis AT**, Crawley RT, Jensen M, McGrane M, Moody T. The antagonism of bombesin in the CNS by substance P analogues. *Life Sci* 35:1963-1969, 1984.
4. **Yachnis AT**, Trojanowski JQ, Memmo M, Schlaepfer WW. Expression of neurofilament proteins in the hypertrophic granule cells of Lhermitte-Duclos disease: an explanation for the mass effect and the myelination of parallel fibers in the disease state. *J Neuropath Exp Neurol* 47:206-216, 1988.
5. Korat O, **Yachnis AT**, Ernst CS. Cytologic detection of amyloid in duodenal and ureteral brushings. *Diag Cytopathol* 4:133-136, 1988.
6. Raps EC, Galetta SL, King Jr JT, **Yachnis AT**, Flamm ES. Isolated one-and-a half syndrome with pontine cavernous angioma: successful surgical removal. *J Clin Neuroophthal* 10(4):287-290, 1990.
7. Cohen JA, **Yachnis AT**, Arai M, Davis JG, Scherer SS. Expression of the *neu* protooncogene by Schwann cells during peripheral nerve development and Wallerian degeneration. *J Neurosci Res* 31:622-634, 1992.
8. **Yachnis AT**, Rorke LB, Biegle JA, Zimmerman RA, Perilongo G, Sutton L. Desmoplastic primitive neuroectodermal tumor of divergent differentiation: broadening the spectrum of desmoplastic infantile neuroepithelial tumors. *Am J Surg Pathol* 16:998-1006, 1992.
9. Mourelatos Z, **Yachnis AT**, Rorke LB, Mikol J, Gonatas NK. On the "fragmentation" of the golgi apparatus of neurons in amyotrophic lateral sclerosis, other motor neuronopathies, and in one case of mitochondrial myopathy with cytochrome C oxidase deficiency. *Ann Neurol* 33:608-615, 1993.
10. Shaver E, Rabsemen S, **Yachnis AT**, Sutton L. Sinus histiocytosis with massive lymphadenopathy: extranodal presentation in the cavernous sinus of a four year old boy. *J Neurosurg* 79:769-773, 1993.
11. Torres C, **Yachnis AT**, Rebsamen S. Ganglioglioma. *Med Pediatr Oncol* 21:511-516, 1993.
12. **Yachnis AT**, Rorke LB, Lee VMY, Trojanowski JQ. Expression of neuronal and glial polypeptides during histogenesis of the human cerebellar cortex including observations on the dentate nucleus. *J Comp Neurol* 334:356-369, 1993.
13. Trojanowski JQ, Fung KM, Rorke LB, Tohyama T, **Yachnis AT**, Lee VMY. In vivo and in vitro models of medulloblastomas and other primitive neuroectodermal brain tumors of childhood. *Molec Chem Neuropathol* 21:219-238, 1994.
14. Sinson G, Sutton LN, **Yachnis AT**, Duhaime AC, Schut L. Subependymal giant cell astrocytoma in children. *Pediatr Neurosurg* 20:233-239, 1994.

15. **Yachnis AT**, Rorke LB, Trojanowski JQ. Cerebellar dysplasias in humans: development and possible relationship to glial and primitive neuroectodermal tumors of the cerebellar vermis. *J Neuropathol Exp Neurol* 63:61-71, 1994.
16. Duhaime AC, Gennarelli LM, **Yachnis AT**. Acute subdural hematoma: is the blood toxic itself? *J Neurotrauma* 11:669-678, 1994.
17. **Yachnis AT**, Trojanowski JQ. Studies of childhood brain tumors using immunohistochemistry and microwave technology: methodological considerations. *J Neurosci Meth* 55:151-200, 1994.
18. Janss A, Hiehle JF, **Yachnis AT**. Neurofibromatosis type I. *Med Pediatr Oncol* 25:213-222, 1995.
19. Manhoff DT, Rorke LB, **Yachnis AT**. Primary intracranial atypical teratoid/rhabdoid tumor in a child with Canavan disease. *Pediatr Neurosurg* 22:214-222, 1995.
20. Powell SZ, **Yachnis AT**, Rorke LB, Rojiani AR, Eskin TA. Divergent differentiation in pleomorphic xanthoastrocytoma: evidence for a neuronal element and possible relationship to ganglion cell tumors. *Am J Surg Pathol* 20:379-387, 1995.
21. DiPaolo DP, Zimmerman RA, Rorke LB, Zackai EH, Bilaniuk LT, **Yachnis AT**. Neurofibromatosis type I: pathologic substrate of high signal foci in the brain. *Radiology* 195:721-724, 1995.
22. Mitchell D, Rojiani AM, Richards D, **Yachnis AT**, Powell SZ. Congenital CNS primitive neuroectodermal tumor: case report and review of the literature. *Pediatr Pathol Lab Med* 15:949-956, 1995.
23. Molloy P, Sutton L, **Yachnis AT**, Rabsamen S. Brainstem neoplasms. *Med Pediatr Oncol* 24:379-387, 1995.
24. **Yachnis AT**, Berg J, Martinez-Salazar A, Bender BS, Diaz L, Rojiani AM, Eskin TA, Orenstein JM. Disseminated microsporidiosis involving the CNS, heart, and kidneys: report of a newly recognized pansporoblastic species in two symptomatic AIDS patients. *Am J Clin Pathol* 106:535-543, 1996.
25. Molloy PT, **Yachnis AT**, Rorke LB, Dattilo JJ, Needle M, Millar W, Goldwein JW, Sutton L, Phillips PC. Central nervous system medulloepithelioma: a series of eight cases including two arising in the pons. *J Neurosurg* 84:430-436, 1996.
26. Janss AJ, **Yachnis AT**, Silber JH, Perolongo G, Molenaar WM, Rorke LB, Lee VMY, Trojanowski JQ, Tohyama T, Sutton LN, Lange B, Phillips PC. Glial differentiation predicts poor clinical outcome in primitive neuroectodermal tumor-medulloblastoma. *Ann Neurol* 39:481-489, 1996.
27. Adair JC, Schwartz RL, Eskin TA, **Yachnis AT**, Heilman KM. Rapidly progressive dementia: Clinicopathologic correlation. *J Geriatr Psychiat Neurol* 9:209-213, 1996.
28. **Yachnis AT**, Powell SZ, Olmsted JJ, Eskin TA. Distinct neurodevelopmental patterns of bcl-2 and bcl-x polypeptide expression are altered in glioneuronal hamartias of the temporal lobe. *J Neuropathol Exp Neurol* 56:180-192, 1997.
29. Orenstein JM, Gaetz HP, **Yachnis AT**, Frankel SS, Mertens RB, Didier ES. Disseminated microsporidiosis in AIDS: are any organs spared? *AIDS* 11:385-386, 1997.
30. Perry A, Giannini C, Scheithauer BW, Rojiani AM, **Yachnis AT**, Seo IS, Johnson PC, Kho J, Shapiro S. Composite pleomorphic xanthoastrocytoma and ganglioglioma: report of four cases and review of the literature. *Am J Surg Pathol* 21:763-771, 1997.

31. Maria BL, Hoang KBN, Tusa RJ, Mancuso AA, Hamed LM, Quilising RG, Hove MT, Fennell EB, Booth-Jones M, Ringdahl DM, **Yachnis AT**, Creel G, Frerking B. "Joubert syndrome" revisited: key ocular motor signs with MRI correlation. *J Child Neurol* 12:423-430, 1997.
32. **Yachnis AT**. Neuropathology of pediatric brain tumors. *Semin Pediatr Neurol* 4:282-291, 1997.
33. **Yachnis AT**, Giovanini MA, Eskin TA, Reier PJ, Anderson DK. Developmental patterns of bcl-2 and bcl-x polypeptide expression in the human spinal cord. *Exp Neurol* 150:82-97, 1998.
34. Vavra J, **Yachnis AT**, Shaddock JA, Orenstein JM. Microsporidia of the genus *Trachipleistophora* - causative agents of human microsporidiosis: Description of *Trachipleistophora anthropophthera* N. Sp. (Protozoa: Microsporidia). *J Eukaryot Microbiol* 45:273-283, 1998.
35. Vavra J, **Yachnis AT**, Canning EU, Curry A, Shaddock JA, Orenstein JM. A *Trachipleistophora*-like microsporidium of man: its dimorphic nature and relationship to *Thelohania apodemi*. *Folia Parasitologica* 45:157-162, 1998.
36. Juul SE, **Yachnis AT**, Christensen RD. The tissue distribution of Epo and Epo-R in the developing human fetus. *Early Human Devel* 52:235-249, 1998.
37. **Yachnis AT**, Neubauer D, Muir D. Characterization of a primary central nervous system atypical teratoid/rhabdoid tumor and derivative cell line: immunophenotype and neoplastic properties. *J Neuropathol Exp Neurol* 57:961-971, 1998.
38. **Yachnis AT**, Faunce WH, Glasser RS, Fessler RG. An ossifying fibromyxoid tumor of the dura: microcystic meningioma in disguise? *Neuro-Orthopedics* 24:13-19, 1998.
39. Juul SE, **Yachnis AT**, Rojiani AM, Christensen RD. Immunohistochemical localization of erythropoietin and its receptor in the developing human brain. *Pediatr Devel Pathol* 2:148- 158, 1999.
40. Maria-BL, Quilising-RG, Rosainz LC, **Yachnis AT**, Gitten J, Dede D, Fennell-E. Molar tooth sign in Joubert syndrome: clinical, radiologic, and pathologic significance. *J Child Neurol* 14:368-76, 1999.
41. **Yachnis AT**, Rorke LB. Cerebellar and brainstem development: An overview in relationship to Joubert syndrome. *J Child Neurol* 14:570-573, 1999.
42. **Yachnis AT**, Rorke LB. Neuropathology of Joubert syndrome. *J Child Neurol* 14:655-659, 1999.
43. **Yachnis AT**, Roper SN, Love A, Fancey JT, Muir D. Bcl-2 immunoreactive cells with immature neuronal phenotype exist in the non-epileptic adult human brain. *J Neuropathol Exp Neurol* 59:113-119, 2000.
44. Lu L, Wilkinson EJ, **Yachnis AT**. CSF cytology of atypical teratoid/rhabdoid tumor of the brain: a case report. *Diagnostic Cytopathol* 23:329-332, 2000.
45. Muir D, Neubauer D, Lim I, **Yachnis AT**, Wallace M. Tumorigenic properties of neurofibroma-deficient neurofibroma Schwann cells. *Am J Pathology* 158:501-513, 2001.
46. Knapik J, **Yachnis AT**, Ripley D, Biegel JA, Rathor S, Hardt NS, Talerman A, Wilkinson EJ. Aggressive uterine sarcoma with rhabdoid features: diagnosis by peritoneal cytology and absence of INI1 gene mutation by FISH. *Human Pathol* 32:884-886, 2001.
47. **Yachnis AT**. Rhombencephalosynapsis with massive hydrocephalus: case report and pathogenetic considerations. *Acta Neuropathol* 103:301-304, 2002.

48. Roper S, **Yachnis AT**. Cortical dysgenesis and epilepsy. *The Neuroscientist* 8:358-373, 2002
49. Rossi FH, Okun M, **Yachnis AT**, Quisling R, Triggs WJ. Corticosteroid treatment in mitochondrial encephalopathies. *The Neurologist* 2002;8(5):313-5.
50. **Yachnis AT**. Intra-operative consultation for nervous system lesions. *Semin Diagn Pathol* 19:192-206, 2002.
51. Padgett KR, Maria BL, **Yachnis AT**, Blackband SJ. Ex vivo high resolution MRI of the brain in Joubert syndrome. *J Child Neurol* 17:910-912, 2003.
52. Martinez-Diaz, H, Kleinschmidt-DeMasters BK, Powell SZ, **Yachnis AT**. Giant cell glioblastoma and pleomorphic xanthoastrocytoma show distinct immunohistochemical profiles for neuronal antigens and TP53 but share common reactivity for class III β tubulin. *Arch Pathol Lab Med* 127:1187-1191, 2003.
53. Werner D, Wilkinson EJ, Ripley D, **Yachnis AT**. Primary adenocarcinoma of the vagina with mucinous-enteric differentiation. A report of two cases with associated vaginal adenosis without history of DES exposure. *J Dis Lower Gen Tract* 8:38-42, 2004.
54. Ulm AJ, **Yachnis AT**, Brat DJ, Rhoton A. Pituicytoma: A report of two cases with clinicopathologic correlation and histogenetic perspective. *Neurosurgery* 54:753-7, 2004. discussion 757-8.
55. Kleinschmidt-DeMasters BK, Yachnis AT. In Reply. *Arch Pathol Lab Med*. 2004 Apr;128(4):392-393.
56. Cogle CR, **Yachnis AT**, Laywell ED, Zander DS, Wingard JR, Steindler DA, Scott EW. Bone marrow transdifferentiation in brain after transplantation: a retrospective study. *Lancet*. 363(9419):1432-1437, 2004
57. Fujita S, Kushihata F, **Yachnis AT**, Winter W, Schell S. Gastrointestinal: Symptomatic pelvic mass. *J Gastroenterol Hepatol* 19:826, 2004
58. Grier DD, **Yachnis AT**. Secondary leptomeningeal sarcomatosis. *Arch Pathol Lab Med*. 128:1303-4, 2004.
59. Katz T, Amdur R, **Yachnis AT**, Mendenhall WM, Morris CG. Pushing the limits of radiotherapy for atypical and malignant meningioma. *Am J Clin Oncol*. 2005;28:70-4.
60. Abel TW, Baker SJ, Fraser MM, Tihan T, Nelson JS, **Yachnis AT**, Bouffard J, Mena H, Burger PC, Eberhart CG. Lhermitte-Duclos Disease: a Report of 31 Cases with Immunohistochemical Analysis of the PTEN/AKT/mTOR Pathway. *J Neuropathol Exp Neurol*. 2005;64:341-9.
61. Werner M, Bhatti MT, Vaishnav H, Pincus DW, Eskin T, **Yachnis AT**. Isolated anisocoria from an endodermal cyst of the third cranial nerve mimicking an Adie's tonic pupil. *J Pediatr Ophthalmol Strabismus*. 2005;42:176-9.
62. Muehlschlegel S, Okun MS, Foote KD, Coco D, **Yachnis AT**, Fernandez HH. Paraneoplastic chorea with leukoencephalopathy presenting with obsessive compulsive and behavioral disorder. *Movement Disorders* 2005;20:1523-7.
63. Saxonhouse MA, **Yachnis AT**, Burchfield DJ, Quisling R, Sullivan MP, Pincus DW. Neonatal hypothalamic hamartoma: a differentiating non-lethal "hamartoblastoma". *J Neurosurg*. 2005;103:277-81.
64. Tu PH, Giannini C, Judkins AR, Schwalb JM, Burack R, O'Neill BP, **Yachnis AT**, Burger PC, Scheithauer BW, Perry A. Marginal Zone Lymphoma of the CNS: A Clinicopathologic and Genetic Study of 15 Cases. *J Clin Oncol* 23:5718-27, 2005.

65. Judkins AR, Burger PC, Hamilton RL, Kleinschmidt-DeMasters B, Perry A, Pomeroy SL, Rosenblum MK, **Yachnis AT**, Zhou H, Rorke LB, Biegel JA. INI1 protein expression distinguishes atypical teratoid/rhabdoid tumor from choroid plexus carcinoma. *J Neuropathol Exp Neurol.* 2005;64:391-7.
66. David W. Pincus, M.D., Ph.D., Erich O. Richter, M.D., **Anthony T. Yachnis**, M.D., Jeffrey Bennett, M.D., Bhatti T, Smith A. Brainstem stereotactic biopsy sampling in children. *J Neurosurg* 2006;104:108-114.
67. Swinson BM, Friedman WA, **Yachnis AT**. Pontine atypical neurocytoma: Case report and review of the literature. *Neurosurgery* 2006;58:990-997 (www.neurosurgery-online.com)
68. Liauw SL, Byer JE, **Yachnis, AT**. Amdur RJ, Mendenhall WM. Radiotherapy after subtotally resected or recurrent ganglioglioma. *Int J Radiat Oncol Biol Phys.* 2007;67(1):244-7.
69. Perrin GQ, Fishbein L, Thomson SA, Thomas SL, Stephens K, Garbern JY, Devries GH, **Yachnis AT**, Wallace MR, Muir D. Plexiform-like neurofibromas develop in the mouse by intraneural xenograft of an NF1 tumor-derived Schwann cell line. *J Neurosci Res.* 2007;85(6):1347-57.
70. Fishbein L, Zhang X, Fisher LB, Li H, Campbell-Thompson M, **Yachnis AT**, Rubenstein A, Muir D, Wallace MR. *In Vitro* Studies of Steroid Hormones in Neurofibromatosis 1 Tumors and Schwann Cells. *Mol Carcinog* 2007;46(7):512-23.
71. Shepherd TM, Özarlan E, **Yachnis AT**, King MA, Blackband SJ. Diffusion Tensor Microscopy Indicates the Cytoarchitectural Basis for Diffusion Anisotropy in the Human Hippocampus. *Am J Neuroradiol* 2007;28:958-964.
72. Perrin GQ, Fishbein L, Li H, Thompson SA, Hwang MS, Scarborough MT, **Yachnis AT**, Wallace MR, Mareci TH, Muir D. An orthotopic xenograft model of intraneural NF1 MPNST suggests a potential association between steroid hormones and tumor cell proliferation. *Lab Invest* 2007;87(11):1092-102.
73. Brower JV, Rodic N, Seki T, Jorgensen M, Fliess N, **Yachnis AT**, McCarrey JR, Oh SP, Terada N. Evolutionarily conserved mammalian adenine nucleotide translocase 4 is essential for spermatogenesis. *J Biol Chem* 2007;282(40):29658-66.
74. Walters H, Lewis E, Wolper R, **Yachnis AT**, Green J, Lewis S. Neurotropic melanoma of the trigeminal nerve: a case of atypical facial pain. *J Oral Maxillofac Surg* 2008;66(3):547-50.
75. Parisi JE, Miller DV, Boyer PJ, Brat DJ, Cochran EJ, Cohen ML, DeMasters BK, Dolinak D, McComb RD, McLendon RE, Powell SZ, Prayson RA, Vinters HV, **Yachnis AT**. Protocol for the examination of specimens from patients with tumors of the brain/spinal cord. *Arch Pathol Lab Med* 2008;132:907-912.
76. Brat DJ, Parisi JE, DeMasters BK, **Yachnis AT**, Montine TJ, Boyer PJ, Powell SZ, Prayson RA, McLendon RE. Surgical neuropathology update: A review of the changes introduced by the *WHO Classification of Tumors of the Central Nervous System*, 4th Edition. *Arch Pathol Lab Med* 2008;132:993-1007.
77. Qiu J-X, Ai L, Ramachandran C, Yao B, Gopalakrishnan S, Fields CR, Delmas AL, Dyer LM, Melnick SJ, **Yachnis AT**, Schwartz PH, Fine HA, Brown KD, Robertson KD. Invasion suppressor cystatin E/M (CST6): high-level cell type specific expression in normal brain and epigenetic silencing in brain tumors. *Lab Invest* 2008;88:910-925.
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ABSTRACTS: (in chronological order)

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59. Devers K, Rivera-Zengotita M, Williams CA, **Yachnis AT**. The neuropathology of mucopolysaccharidosis type VII (Sly disease): A case report and review of the literature. *J Neuropathol Exp Neurol* 70:546-546, 2011 AANP Meeting Abstract: 182 JUN 2011
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63. Devers K, Yachnis AT, Rivera-Zengotita M. Mutated isocitrate dehydrogenase-1 (IDH-1) immunoreactive glioblastoma with IDH-1 negative "PNET- like" elements. 2012 AANP Meeting Abstract: JUN 2012.
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“Inside Laboratory Investigation” as Senior Associate Editor

1. “TIMP-2-MMP2 interactions mediate glioma invasion.” *Lab Invest* 84:4, 2004
2. “Molecular detection of smallpox virus in archival pathology specimens.” *Lab Invest* 84:4-5, 2004
3. “A non-human primate model of lyme disease.” *Lab Invest* 84:149, 2004
4. “Expanding the spectrum of spectrinopathies.” *Lab Invest* 84:149, 2004
5. “New insights on mechanisms of formalin fixation and antigen retrieval.” *Lab Invest* 84: 2004
6. “Thrombosis and vaso-occlusion in the pathogenesis of glioblastoma.” *Lab Invest* 84:394, 2004
7. “Muscling in on prion disease.” *Lab Invest* 84:811, 2004
8. “Blood mitochondrial DNA: The HARRT of the matter”. *Lab Invest* 84:812, 2004
9. “Inducible PAX3-FKHR expression reveals clues to rhabdomyosarcoma tumorigenesis.” *Lab Invest* 84:938, 2004
10. “Dissecting PTEN and EGFR signalling pathways in gliomas.” *Lab Invest* 84:938, 2004
11. “Building a better assay: SARS detection by MRT-PCR gene chip.” *Lab Invest* 84:1081, 2004
12. “Sailing against ischemia-reperfusion injury: lower the mast (cells).” *Lab Invest* 84:1081, 2004
13. “Ocular fibrosis following injury: it’s a Smad Smad world. *Lab Invest* 84:1224, 2004
14. “Chemokines and T-cell trafficking in experimental allergic encephalomyelitis.” *Lab Invest* 84:,2004
15. “VEGF-A overexpression: a common pathway of T-cell and vascular growth in angioimmunoblastic T-cell lymphoma? *Lab Invest* 84:,2004
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18. “Of stealth and pseudopodia-genomics and proteomics of glioma invasion.” *Lab Invest* 85:311, 2005
19. “Distinctive gene fusion in low-grade fibromyxoid sarcoma.” *Lab Invest* 85:312-313, 2005
20. “Breaking down the blood-brain barrier.” *Lab Invest* 85:717, 2005
21. “The FLIP side of tumor cell apoptosis.” *Lab Invest* 85: 834, 2005
22. “CNS expression of Fussel 18: a new way to Ski (with a Sno clone).” *Lab Invest* 85: 834, 2005
23. “Stressed out astrocytes in ataxia telangiectasia.” *Lab Invest* 85: 1453-54, 2005

24. "EGFR amplification and overexpression in breast phylodes tumors." *Lab Invest* 86:1, 2006
25. "Biobanking and RNA stability: protecting your investment." *Lab Invest* 86:102, 2006
26. "Overexpression of a secreted protein in acrania: whoa NELL(IE)-1!" *Lab Invest* 86, 629, 2006.
27. "Intraneural model of NF1-associated malignant peripheral nerve sheath tumor." *Lab Invest* 87,1068, 2007.
28. "Molecular interactions of a 'small blue cell' tumor living large." *Lab Invest* 88, 96, 2008.
29. "Congo red-stained amyloid: Not all apple green." *Lab Invest* 88, 2008.
30. "Prognostic significance of stromal expression profile in malignant desmoplasia". *Lab Invest* 88, 566,2008.
31. "Say what? A model of CMV-associated hearing loss". *Lab Invest* 88, 684, 2008.
32. "Epigenetic silencing in gliomas". *Lab Invest* 88, 684, 2008, 908-909.

Presentations, Lectures, and Seminars:

1. "Maturation of the brain and maturational abnormalities in neonates." Invited lecture, presented at the American Electroencephalographic Society Annual Meeting; Philadelphia PA, December 14, 1991.
2. "Expression of developmentally regulated molecules in the human cerebellum: parallels between ontogeny and neoplasia." Invited seminar presented at George Washington University; Washington DC, April 21, 1992.
3. "Developmentally regulated molecules are aberrantly expressed in pediatric primitive neuroectodermal tumors and in transgenic mouse brain tumors." Presented at the American Brain Tumor Association Annual Meeting; Chicago IL, May 22, 1993.
4. "Expression of Neuronal and Glial Molecules During Human Cerebellar Development." Neuroscience Seminar, University of Florida Brain Institute, February 4, 1994.
5. "Expression of Primitive Proteins in Developmental Tumors." University of Florida Intramural Research Symposium: "Windows to the Brain: Epilepsy", December 17, 1994.
6. "Developmentally Regulated Molecules of the Nervous System: Implications for Neuropathology." Department of Pathology and Laboratory Medicine Faculty Seminar, January 17, 1995.
7. "The Unique Temporal Lobe: Benign Tumors and Seizures." Invited lecture at 16th Annual Cancer Conference and Slide Seminar: "Tumors and Tumor-Like Lesions: From Head to Toe." Sponsored by the Florida West Coast Association of Pathologists and the University of South Florida, Longboat Key, Florida, June 22, 1996.
8. Clinical Case Presentations: Discussant in Pathology. 27th Annual Radiation Oncology Clinical Research Seminar, University of Florida College of Medicine, Lake Buena Vista, FL, February 7-8, 1997.
9. The Neuropathology of Child Abuse: A Clinicopathologic Correlation. University of Florida College of Medicine, Office of Continuing Education and Department of Neurology, March 21, 1997.
10. Central Nervous System Microsporidiosis. American Association of Neuropathologists Diagnostic Slide Session, Pittsburgh, PA, June 14, 1997.
11. Expression of the Cell Death Regulators Bcl-2 and Bcl-x in the Developing, Dysplastic and Neoplastic Human Nervous System. University of Florida College of Medicine, Department of Pathology Faculty Seminar, September 15, 1997.
12. Expression of Bcl-2-like Proteins in the Developing and Epileptic Brain: A Matter of Life and Death? University of Florida Brain Institute and Department of Neuroscience Seminar, November 14, 1997.
13. Central Nervous System Microsporidiosis. University of Florida College of Medicine, Department of

Pathology, Immunology, and Laboratory Medicine Faculty Seminar, May 18, 1998.

14. Review of Cerebellar Development and Maldevelopment. NINDS-sponsored Joubert Syndrome Symposium. Invited for combined presentation with Dr. Lucy B. Rorke (Children's Hospital of Philadelphia). Montreal, October 21, 1998.
15. "Meningiomas: An Overview." Invited by LINAC Radiosurgical Society. Orlando, December 12, 1998.
16. "Chordomas and Chondrosarcomas of the Skull Base." Invited by LINAC Radiosurgical Society. Orlando, December 10, 1999.
17. "Giant Cell Glioblastoma Multiforme." Panelist: USCAP Neuropathology Specialty Conference. New Orleans, March 29, 2000.
18. "Neuropathology 101: Benign Brain Tumors." Invited by LINAC Radiosurgical Society. Orlando, December 8, 2000.
19. "Neuropathology 101: Malignant Brain Tumors." Invited by LINAC Radiosurgical Society. Orlando, December 9, 2000.
20. "Chordoid Meningioma and Other Fibromyxoid Tumors of the Central Nervous System." Panelist: USCAP Neuropathology Specialty Conference. New Orleans, March 8, 2001.
21. "Granulomatous Amoebic Encephalitis." Panelist: USCAP Neuropathology Specialty Conference. Chicago, February 25, 2002.
22. "Gene Expression Profiling Applied to Malignant Gliomas: New Technologies to Address Old Questions." The Penn State Milton S. Hershey Medical Center, College of Medicine, October 18, 2002.
23. LINAC Radiosurgery 2002. Vascular malformations, a pathologists perspective. Invited by LINAC Radiosurgical Society. Orlando, December 9, 2002.
24. LINAC Radiosurgery 2002. Skull base chordoma vs. chondrosarcoma. Invited by LINAC Radiosurgical Society. Orlando, December 10, 2002.
25. "Genetic Signatures of Gliomas." Henry V. Baker and AT Yachnis. Joint Cancer Conference of the Florida Universities. February 20, 2003.
26. "Pediatric Hypothalamic/Optic Pathway Gliomas." Invited Panelist: USCAP Neuropathology Specialty Conference. Washington, DC, March 25, 2003.
27. LINAC Radiosurgery 2003. Gene Arrays: What are They and How will they Affect Cancer Treatment? Invited by LINAC Radiosurgical Society. Orlando, December 12, 2003.
28. LINAC Radiosurgery 2004. Schwannomas: Pathology. Invited by LINAC Radiosurgical Society. Orlando, December 8, 2004.
29. LINAC Radiosurgery 2004. Meningiomas: Pathology. Invited by LINAC Radiosurgical Society. Orlando, December 9, 2004.
30. LINAC Radiosurgery 2004. Vascular malformations, a pathologists perspective. Invited by LINAC Radiosurgical Society. Orlando, December 9, 2004.

31. "Rosette-forming glioneuronal tumor of the fourth ventricle". Invited Panelist: USCAP Neuropathology Specialty Conference. San Antonio, March 1, 2005.
32. "Surgical Pathology: Considerations in Skull Base Surgery". Faculty: *Florida Skull Base Course*, August 18, 2005.
33. "Crooke's cell pituitary adenoma". Invited Panelist: USCAP Neuropathology Specialty Conference. Atlanta, February 13, 2006.
34. "Surgical Pathology of the Skull Base". Faculty: *Florida Skull Base Course*, June 9, 2006.
35. "Intracranial Epstein-Barr virus-associated smooth muscle tumor". Invited Panelist: USCAP Neuropathology Specialty Conference. San Diego, March 27, 2007.
36. "Dural-based Rosai-Dorfman disease and other meningioma mimics". Invited Panelist: USCAP Neuropathology Specialty Conference, Denver, March 5, 2008.
37. "Meningioma Mimics". Invited Panelist: Slide Session: Meningiomas. International Academy of Pathology. Athens, Greece, October 13, 2008.
38. "Neuroepithelial Tumors (with Ependymal-like Features)". Invited: International Academy of Pathology. Athens, Greece, October 14, 2008.
39. "Critical" Immunohistochemical And Genetic Markers In Glial Neoplasms. Invited: American Association of Neuropathologists USCAP Companion Society - Boston, March 7, 2009.
40. "Surgical Pathology". Invited speaker: "Microsurgical Approaches to the Brain, Ventricles, and Skull Base. The University of Florida McKnight Brain Institute, April 19-23, 2010.
41. "Pathologies of Intractable Epilepsy". University of Florida "2010 Epilepsy Symposium". Invited by Dr. Steve Roper, The University of Florida McKnight Brain Institute, November 16, 2010
42. "Gliosis vs. Glioma and Critical Issues in Glioma Grading". Invited: American Association of Neuropathologists USCAP Companion Society – San Antonio, February 26, 2011.
43. "Glioma Diagnosis 2011: New Tools to Solve Old Problems". Invited: Department of Pathology, University of Utah, June 9, 2011.
44. How will "generation Y" learn medicine? Invited: University of Florida Society of Teaching Scholars; Medical Education Week. February 20, 2012.
45. Ophthalmic Pathology Review. Osler Institute. Tampa, Florida. February 22, 2012.
46. Neuropathology Review: Osler Institute. Tampa, Florida. October, 2012.
47. Neuropathology Review: Osler Institute. Tampa, Florida. October 8, 2013.
48. Co-Chair: AANP Companion Society Meeting of the USCAP. March 1, 2014
48. Co-Chair: AANP Annual Course: June 12, 2014