

CURRICULUM VITAE

I. Personal Data

Name: **Qihui “Jim” Zhai, MD, FCAP**

Current position: Professor
Department of Laboratory Medicine and Pathology
College of Medicine
Mayo Clinic

Consultant Pathologist
Medical Director of FISH and Molecular Laboratory
Department of Laboratory Medicine and Pathology
Mayo Clinic Florida
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II. Education and Employment

1981-1987 M.D. Medical School Shandong University, Shandong, P.R. China
1987-1990 Graduate School of Peking Union Medical College and
Chinese Academy of Medical Sciences, Beijing, P.R. China
1990-1993 Instructor, Peking Union Medical College, Beijing, P.R. China
1993-1994 Postdoctoral Research Fellow, Department of Neurology,
Creighton University, Omaha, NE
1994-1995 Postdoctoral Research Fellow, Department of Neurology,
Medical College of Ohio, Toledo, OH
1995-1997 Assistant Professor of Research,
Associate Director, Cerebrovascular Disease Laboratory,
Department of Neurology,
Medical College of Ohio, Toledo, OH

1997-1998 Associate Staff Investigator (equivalent to associate professor of research)
Department of Neurology
Henry Ford Hospital, Detroit, MI

1998-2002 Pathology Residency
Department of Laboratory Medicine and Pathology
Mayo Clinic Rochester
Rochester, MN

2002-2003 Oncologic Pathology Fellowship
Department of Pathology
U.T. MD Anderson Cancer Center
Houston, TX

2003-2004 Assistant Professor
Department of Pathology
Baylor College of Medicine
Attending Pathologist
Department of Pathology
Houston Methodist Hospital
Houston, TX

2004-2009 Assistant Professor
Department of Pathology
Weil Medical College of Cornell University
Attending Pathologist
Medical Director of Immunohistochemistry and FISH Laboratory
Houston Methodist Hospital
Houston, TX

Feb. 2009-
April 2009 Associate Professor
Department of Pathology
Weil Medical College of Cornell University
Attending Pathologist
Medical Director, Immunohistochemistry and *in situ* Laboratory
Houston Methodist Hospital
Houston, TX

April 2009-
March 2012 Professor of Pathology
Attending Pathologist
Department of Pathology and Laboratory Medicine
University of Cincinnati
Cincinnati, OH

April 2012- Professor and Consultant Pathologist

Present: Medical Director, FISH and Molecular Laboratory
Department of Laboratory Medicine and Pathology
Mayo Clinic Florida
4500 San Pablo Road.
Jacksonville, FL 32224

III. Teaching Experience

Peking Union Medical College and Chinese Academy of Medical Sciences, Institute of Basic Medical Sciences. Teaching undergraduates on pathophysiology. September 1990-July 1992.

Creighton University Medical School, Department of Neurology. Teaching and supervising lab associates and medical students on experimental skills. April 1994-September 1994.

Medical College of Ohio, Department of Medicine, Cerebrovascular Disease Laboratory. Teaching and supervising lab associates, graduate students, and medical students on experimental skills. September 1994-October 1997.

Mayo Medical School, lab session faculty for pathology and pathophysiology courses for year 1 and year 2 medical students, October 2000-June 2002

Baylor College of Medicine, Department of Pathology, teaching medical students, pathology residents, and fellows, July 1, 2003-2004

Houston Methodist Hospital, Department of Pathology, teaching pathology residents and fellows, 2004-2009

The University of Cincinnati, Department of Pathology, teaching pathology residents and fellows, 2009-2012

Mayo Clinic Florida, teaching surgical pathology fellow, clinical residents, and fellows, 2014- present

Faculty USCAP Mentoring Academy 2019-2021

IV. Awards and Honors

Who's Who, National Register, Executives and Professionals, 2003-2006

America's Top Physician 2004-2005 by Consumer's Research Council of America

America's Top Physician 2006-2007 by Consumer's Research Council of America

America's Top Pathologists 2007 by Consumer's Research Council of America

Featured Story on the Cover Page of *CAP Today*: Bladder Cancer Prepares for its Star Turn. Feb. 2016

Featured story on the Cover Page of *CAP Today*: "Brave" New Book-AP Quality

Management for Everyone. Feb. 2017.
Appreciation Award Florida Society of Pathologists Feb. 17-19, 2017
Distinguished Pathologist Award CAPA-ACD, March 2017
Appreciation Award Florida Society of Pathologists Feb. 16-18, 2018
Appreciation Award Florida Society of Pathologists Feb. 16-18, 2019
Appreciation Award Florida Society of Pathologists Feb. 14-16, 2020
Member Spotlight Florida Society of Pathologists, June 2019
Faculty Award Florida Society of Pathologists July 2021
Featured Interview: Under One Cover: Grossing, Staging, and Reporting. CAP Today
July 2021
Honorary Award 2021-2022, Chinese American Pathologists Association (CAPA)

V. Society Members and Officers, Journal Editorial Board and Reviewer

Member, American Federation for Aging Research, 1996-1999
Fellow, College of American Pathologists (CAP), 2004-present
Member, United States and Canadian Academy of Pathology (USCAP) 1998-present
Member, Minnesota Society of Pathologists, 1998-2002
Member, American Medical Association, 1998-present
Member, Minnesota Medical Association, 1998-2003
Member, Houston Society of Clinical Pathologists (HSCP), 2002-2010
Member, Harris County Medical Society, 2004-2009
Member, American Society of Clinical Pathology (ASCP), 2014-2016
Member, International Society of Urologic Pathologists (ISUP) 2003-present
Member, Genitourinary Pathology Society 2020-present
Member, North America Society of Head and Neck Pathology 2005-present

VI. Officers of Regional and National Pathology Society

College of American Pathologists 2002-2022
Governor, Board of Governors 2019-2022
Chair of Investment Committee 2021-
Vice-Chair of Finance Committee 2021-
Vice-Chair Council on Scientific Affairs 2020-2021
Vice-Chair of Council of Accreditation 2021-
Board Advisor for the Residents Forum 2021-
Member, Task Force Well Being and Burnt Out 2021-
President, Florida Society of Pathologists. 2021 – 2023
President-elect, Florida Society of Pathologists. 2019 – 2021
Member, Anatomic Pathology Test Development and Advisory Committee
American Board of Pathology 2020-2026

Board Member of Florida Society of Clinical Oncology (FLASCO) 2021
Vice President, Florida Society of Pathologists. 2017 – Present
Board of Governors, Florida Society of Pathologists. 2015 – Present
Chair, Education Committee, Florida Society of Pathologists 2016 – Present
Action Group, CAP 2012-2016
House of Delegate, Florida, CAP, 2012 - Present
House of Delegate, Ohio, CAP, 2011-2012
Member, Education Committee, United States Canadian Academy of Pathology (USCAP), 2008-2012
Member, Publication Committee, CAP 2011-2016
Member, Surgical Pathology/ Immunohistochemistry Committee, CAP 2013-present
Member, Nomination Committee CAP 2016-2017
Member, Inspection Process Committee, CAP 2018-
Chair, Scientific Program for Houston Society of Clinical Pathologists (HSCP) 2005-2007
Treasurer, HSCP, 2007- 2008
Vice president, HSCP, 2008-2009
President-Elect, HSCP, 2008-2009
President, HSCP, 2009-2010 (scheduled; however, I relocated 2009)
Member, Resident and Fellow Committee, Texas Society of Pathologists, (TSP), 2008-2010
Member, PRISE Committee, American Society of Clinical Pathology 2013-15
Executive Member, Chinese American Pathologists Association (CAPA) 2006-2007
Vice President, Chinese American Pathologists Association (CAPA) 2007-2008
President-elect, Chinese American Pathologists Association (CAPA) 2013-2014
President, Chinese American Pathologists Association (CAPA) 2014-2015

VII. Editorial Board, Section Editor and Journal Reviewer

2005-Present: Editorial Board of *Archives of Pathology & Laboratory Medicine*
2009-Present: Section Editor of *Head and Neck* and *Immunohistochemistry Archives of Pathology & Laboratory Medicine*
2011- 2016: *CAP Today* Advisory Board
2012- 2016: Senior Editor of *International Journal of Clinical and Experimental Pathology*
2016-Present: Editor-in-chief of *International Journal of Clinical and Experimental Pathology*
2021-Present: Senior editor of *American Journal of Clinical and Experimental Urology*
Editor: *Journal of Sarcoma*
Reviewer for *Cancer*
Reviewer for *Cancer Letters*

Reviewer for *Pathology - Research and Practice*
Reviewer for *Clinical Medicine & Research*
Reviewer for *Archives of Otolaryngology Head and Neck Surgery*

VIII. Hospital Committee

Research Committee, University Hospital University of Cincinnati Medical Center
Enterprise Head and Neck Specialty Council, Mayo Clinic
Southeast Cancer Coordinating Committee Mayo Clinic Florida
Executive Innovative Committee Mayo Clinic Florida
International Committee Mayo Clinic Enterprise
Surgical Quality Committee Mayo Clinic Florida
International Activities Subcommittee Mayo Clinic Florida

IX. Advisory Board

Caris Life Sciences Advisory Board Member

X. Research Grants

Chinese Qigong Association: The effect of Qigong (Air Breathing) on cerebral blood flow in rats. Principal Investigator, \$20,000., 1990-1992.

American Federation for Aging Research: Tumor necrosis factor in cerebral ischemia in aged rats. Principal Investigator, \$400,000. July 1, 1997- June 30, 1998.

Henry Ford Hospital Pilot Grant: Chronic NMDA-receptor activation enhances neuronal plasticity after transient global cerebral ischemia in aged rats. Principal Investigator, \$10,000. April 1, 1998 – April 1, 2000.

Molecular Medicine Program Research Award: Copper-Zinc Superoxide Dismutase Gene Transfer Increases Tolerance to Transient Focal Cerebral Ischemia in Rats. \$45,000.

American Heart Association Beginning Grant-in-Aid: Vascular Endothelial Growth Factor Alters Brain Response to Transient Cerebral Ischemia in Rats. Principal Investigator \$70,000., 1997 – 1998.

M.D. Anderson Research Grant: The Possible Mechanisms of Herceptin-Resistance in HER2/neu-Positive Breast Cancer Patients. \$5,000., Principal Investigator, August 2002 – July 2003.

Center for Individualized Medicine Mayo Clinic: A Pilot Study of Circulating Serum HPV 16 E6/E7 DNA Quantitation to Guide Radiation/Chemotherapy and Monitor Recurrence in Patients with Human Papillomavirus (HPV)-associated Oropharyngeal Squamous Cell Carcinoma. Principal Investigator 2017 – 2018.

Cancer Center Mayo Clinic: A Pilot Study of Circulating Serum HPV 16 E6/E7 DNA Quantitation to Guide Radiation/Chemotherapy and Monitor Recurrence in Patients with Human Papillomavirus (HPV)-associated Oropharyngeal Squamous Cell Carcinoma. Principal Investigator. 2017 – 2018.

Mayo Clinic FRT: Circulating Serum HPV 16 E6/E7 DNA Quantitation Guiding Radiation/Chemotherapy and Monitoring Recurrence in Patients with Human Papillomavirus (HPV)-associated Oropharyngeal Squamous Cell Carcinoma. Principal Investigator, 2018 – 2019.

Pathologist Investigator: RO1 CA206584 PI: Steven Goodison. ‘Translation of a clinical molecular diagnostic assay for bladder cancer detection.’

Goal: To identify and develop and validate protein biomarkers for use in the diagnosis and evaluation of patients with bladder cancer. 10/1/2017 – 9/30/2022.

Co-PI and Principal Pathologist: A Randomized, Double-blind, Placebo-controlled, Phase 3 Study of Apalutamide in Subjects with High-risk, Localized, or Locally Advanced Prostate Cancer Who are Candidates for Radical Prostatectomy. 2019 – 2022.

PI. Circulating Serum High-Risk HPV DNA Quantitation to Screen High-Risk Populations and Guide Radiation/Chemotherapy and Monitor Recurrence in Patients with Human Papillomavirus (HPV)-associated Squamous Cell Carcinoma (OSCC). Bankhead-Coley Cancer Research Program. 2020 – 2022. Not activated.

PI. Circulating Serum HPV DNA Quantitation to Screen High-Risk Populations and Guide Radiation/Chemotherapy and Monitor Recurrence in HPV-mediated SCC. NIH grant with the NCI. PAR-20-314. Feb 2022 to Feb 2024. Total \$1500,000 three years. Not activated.

Co-PI and Chief Pathologist. Radiogenomic analysis for the prognosis of head and neck cancer. NIH RO1. 2022 – 2026. Total: \$1800,000. Not activated.

Chief Pathologist. PI: Steven Goodison. Disease progression Modeling of Bladder Cancer. RO1CA266113-1. July 1, 2022 to June 30, 2027. Total \$3,010,097.

XI. Certification

Florida Medical License 2012 – Present
Minnesota Medical License, 1999 – 2002
Texas Medical License, 2003 – Present
State Medical Board of Ohio 2009 – Present
American Board of Pathology, Certified in 2002

XII. Publications

Book Chapters:

H.E. Gendelman, P. Gems, M. Jett, **Q.H. Zhai**, H. Nottet: An Experimental Model System for HIV-1-induced Brain Injury. *Advances in Neuroimmunology*. 4:189-193,1994, L. Eiden, R. Black, and P. Sager, eds., Elsevier Science Ltd., England.

Liu Haiyan and **Q.H. Zhai**. Chapter of *Prostate Gland* in *Handbook of Practical Immunohistochemistry- Frequently Asked Questions* edited by Fan Lin, Springer, ISBN 978-1-4419-8061-8, 2011.

Liu Haiyan, Lin Fan, and **Q.H. Zhai**. Chapter of *Prostate Gland* in *Handbook of Practical Immunohistochemistry- Frequently Asked Questions second edition* edited by Fan Lin, Springer, 2015. P.397-420.

Liu Haiyan, Lin Fan, and **Q.H. Zhai**. Chapter of *Prostate Gland* in *Handbook of Practical Immunohistochemistry- Frequently Asked Questions third edition* edited by Fan Lin, Springer, Spring 2021.

Qihui “Jim” Zhai. Quality Management in the Anatomic Pathology Laboratory. Pages 143-156. *Laboratory Administration for Pathologists*. By Elizabeth Wagar, Michael Cohen, Donald Karcher, and Gene Siegal. CAP Press, ISBN: 978 194 109646 8. May 2019.

Fang-Ming Deng and **Qihui “Jim” Zhai**. Application of Immunohistochemistry in Diagnosis of Renal Cell Neoplasms, in *Recent Advances in Surgical and Molecular Pathology Series: Kidney Cancer*, by Mukul K. Divatia, Ayhan Ozcan, Charles C. Guo, and Jae Y. Ro. Springer ISBN 978-3-030-28332-2. 2020.

Fang-Ming Deng and **Qihui “Jim” Zhai**. Histologic Variants of Infiltrating Urothelial Carcinoma, in *Urinary Bladder Pathology*, by Ro, Guo Wolters Kluwer/Lippincott Williams & Wilkins, Spring 2021.

Fang-Ming Deng and **Qihui “Jim” Zhai**. Applications of Immunohistochemistry in the Diagnosis of Urothelial Carcinoma, in *Urinary Bladder Pathology*, by Ro, Guo Wolters Kluwer/Lippincott Williams & Wilkins, Spring 2021.

Books: Author or Editor-in-chief:

Gengyen Zhou, **Qihui “Jim” Zhai**, Qinghui Zhang (Translator and Editor). *Diagnostic Immunohistochemistry*, ISBN 978-7-81071-750-2, Peking University Medical Press, 2008.

Qihui “Jim” Zhai, Gengyen Zhou (Author and Editor). *Textbook of Pathology*, ISBN 978-7-81116-486-2, Peking University Medical Press, 2009.

Qihui “Jim” Zhai (Author and Editor). *Frozen Section Library: Head and Neck*, ISBN 978-0-387-95987-0, Springer, 2011.

Jae Ro, Steven S. Shen, **Qihui “Jim” Zhai**, Alberto G. Ayala (Co-Editor and Author). *Advances in Surgical Pathology Series: Prostate Cancer*, ISBN 10: 1-60831-434-0, Wolters Kluwer/Lippincott Williams & Wilkins, 2012.

Qihui “Jim” Zhai (Author and Editor). *Frozen Section Library: Endocrine Organs*, Springer, ISBN 978-1-4614-8611-4, Springer, 2013.

Qihui “Jim” Zhai, Jae Ro (Author and Editor). *Advances in Surgical Pathology Series: Bladder Cancer*, ISBN 978-1-4511-9288-9, Wolters Kluwer/Lippincott Williams & Wilkins, 2016.

Qihui “Jim” Zhai, Gene P Siegal (Author and Editor). *Quality Management in Anatomic Pathology: Strategies for Assessment, Improvement, and Assurance*. ISBN 978-194109629-1, CAP Press, 2017.

Qihui “Jim” Zhai (Author and Editor). *Grossing, Staging, and Reporting: an integrated manual of modern surgical pathology*. ISBN 978-1-941096-57-4, CAP Press, 2021.

Qihui “Jim” Zhai, Xiuwu Bian (Author and Editor). *Textbook of Pathology*, second edition. Peking University Medical Press, Fall 2022.

Manuscripts:

Q.H. Zhai: Thinking Methods and Brain Function. *J of PUMC & CAMS* 1988; 2:45-47.

Q.H. Zhai, Rui-Juan Xiu: Calcium Antagonist Nimodipine Can Improve Cerebral Microcirculatory Disturbances of SHRSP with Acute Stroke. *Journal of Microcirculation* 1992; 2:1-6.

Q.H. Zhai, Chong-Gao Duan: The Qigong Effects upon Cerebral Microcirculation of Rats. *Qigong Research* 1992; 5:32-33.

Q.H. Zhai, Chong-Gao Duan: The Modified Cranial Window Technique to Study Rat Cerebral Microcirculation. *Journal of Microcirculation* 1993; 3:26-28.

Q.H. Zhai, Cheng-Gao Duan: Cerebral Microcirculatory Disturbances of SHRSP with Acute Stroke and Mechanisms of Treatment. *Chinese Medical Journal (English Edition)* 1993; 106:518-521.

HSLM Nottet, Marti Jett, **Q.H. Zhai**, Y. Persidsky, A. Rizzo, E.W. Bernton, H.E. Gendelman: A Regulatory Role for Astrocytes HIV-1 Encephalitis: An Overexpression of Eicosanoids, Platelet Activating Factor and Tumor Necrosis Factor- α by Activated HIV-1 Infected Monocytes is Attenuated by Primary Human Astrocytes. *The Journal of Immunology* 1995; 154:3567-3581.

Lijuan C. Wang, Nancy Futrell, David Z. Wang, **Q.H. Zhai**, Fang-Jie Chen, Lonni R. Schultz: A Reproducible Model of Middle Cerebral Infarcts, Compatible with Long Term Survival, in Aged Rats. *Stroke*, 1995; 26:2087-2090.

HSLM Nottet, Y Persidsky, VG Sasseville, **Q.H. Zhai**, LR Shaner, RD McComb, HE Gendelman: Mechanisms for the Transendothelial Migration of HIV-1 Infected Monocytes into Brain. *The Journal of Immunology*, 1996; 156:1284-1295.

Nancy Futrell, Kewa Li, **Q.H. Zhai**, Fang-Jie Chen: Factors in the Inflammatory Response in Chronic Embolic Cerebral Infarcts in the Rat: Importance of Age and Sex in Experimental Design. *Journal of Stroke and Cerebrovascular Disease*, 1996; 6(1):1-4.

Q.H. Zhai, Nancy Futrell, Fang-Jie Chen: Gene Expression of IL-10 in Relationship to TNF- α , IL-1 β , and IL-2 in The Rat Brain Following Middle Cerebral Artery Occlusion. *Journal of the Neurological Sciences*, 1997;152: 119-124.

Nancy Futrell, Brent A. Fruin, Kewa Li, John Hertzler, **Q.H. Zhai**, and Fang-Jie Chen: Experimental Evidence That the Frequency of Cerebral Microemboli and Microinfarcts is Underestimated. *Thrombosis* 1997.

Q.H. Zhai, Ruebel K. Thompson GB. Lloyd RV. Androgen Receptor Expression in C-cells and Medullary Thyroid Carcinoma. *Endocrine Pathology*. 14(2):159-165, June 2003.

M. Ziari, G. Sonpavde, S. Shen, **Q.H. Zhai**, B. Teh, and S. Lerner: Rhabdomyosarcoma of the Bladder in an Adult. *Journal of Clinical Oncology*, 2005; 23 (19), 4459-4460.

N. Chen, M. N. Szentirmay, S. A. Pawar, M. Siritto, J. Wang, Z. Wang, **Q.H. Zhai**, H. Yang, D. M. Peehl, J. L. Ware and M. Sawadogo: Transcription Factor, USF2, is a Novel Candidate, Tumor Suppressor Gene in Prostate Carcinogenesis. *Oncogene*, 2006 (25); 579-587.

Q.H. Zhai, C. A. Moran: Giant Cell Tumor of Soft Tissue. *Surgical Pathology Check Sample SP-1*. Chicago, IL: ASCP Press; 2006:1.

Li M, **Q.H. Zhai**, Bharadwaj U, Wang H, Li F, Fisher WE, Chen C, and Yao Q. Cyclophilin A is overexpressed in human pancreatic cancer cells and stimulates cell proliferation through CD147. *Cancer*, 2006 May 15, 106(10):2284-2294.

Li M, Feurino L, Li F, Wang H, **Q.H. Zhai**, Fisher WE, Chen C, and Yao Q. Thymosin Alpha 1 Stimulates Cell Proliferation by Activating ERK1/2, JNK and Increasing Cytokine Secretion in Human Pancreatic Cancer Cells. *Cancer Letters*, 2007 April; 248 (1):58-67.

L. Andino, and **Q. H. Zhai**: Cardiac Angiosarcoma and its Differential Diagnoses. *Surgical Pathology Check Sample SP-1*. Chicago, IL: ASCP Press; 2007, 35 (7): 77-87.

- S. Permpongkosol, T. L. Nicol, R. E. Link, ¹ Varkarakis, H. Khurana, **Q. H. Zhai**, G. Lima, L. R. K. S. B. Solomon. Differences in Ablation Size in Porcine Kidney, Liver, and Lung after Cryoablation using the Same Ablation Protocol. *American Journal of Roentgenology*, 2007 April; 188(4): 1028-32.
- S. Permpongkosol, T. L. Nicol, H. Khurana, R. E. Link, **Q. H. Zhai**, L. R. Kavoussi, S. B Solomon: Thermal Maps Around Two Adjacent Cryoprobes Creating Overlapping Ablations in Porcine Liver, Lung, and Kidney. *Journal of Vascular and Interventional Radiology*, 2007 February; 18(2):283-7.
- SS Shen, JY Ro, P Tamboli, LD Truong, **QH. Zhai**, SJ Jung, RG Tibbs, NG Ordonez, AG Ayala. Mucinous tubular and spindle cell carcinoma of the kidney is probably a variant of papillary renal cell carcinoma with spindle cell features. *Annals of Diagnostic Pathology*, 2007 February; 11(1):13-21.
- C. H. Chen, X. Liu, M. Yeh, M. H. Huang, **Q.H. Zhai**, W. Low, D. Lintner, and Z. Luo: Pathological changes of human ligament after complete mechanical unloading. *American Journal of Physical Medicine and Rehabilitation*, 2007 April, 86 (4: 282-289).
- A. Ozcan, S.S. Shen, **Q.H. Zhai**, and L. D. Truong: Expression of GLUT1 in Primary Tumors: Morphologic and Biologic Implications. *American Journal of Clinical Pathology*, 2007 August, 128 (2: 245-254).
- Q. H. Zhai**, J. Black, A. Ayala, and J. Ro: Histologic Variants of Infiltrating Urothelial Carcinoma. *Archives of Pathology and Laboratory Medicine*, Vol. 131, August 2007, 1244-1256.
- Akgun, A. Ozcan, Chirala, S. Shen, **Q.H. Zhai**, Suki. And L. Truong: Lymphoid Cell Proliferation in Renal Transplants: Biologic and Diagnostic Implication. *Clinical Transplantation*, 2007 Jul-Aug; 21(4):472-80.
- V.L. Boudresis, D. Mody, **Q. H. Zhai**, D. Coffey: Cytologic Malignancy versus Benignancy: How Useful Are the “New” Markers in the Body Fluid Cytology? *Archives of Pathology and Laboratory Medicine*, Vol. 132, January 2008, 23-28.
- Q.H. Zhai**, D. G. Rosen, K. Lu, and J. Liu. Loss of DNA Mismatch Repair Protein hMSH6 in Ovarian Cancer. *International Journal of Clinical and Experimental Pathology*, 2008, 1;502-509.
- Zhang Y, Feurino LW, **Zhai Q**, Wang H, Fisher WE, Chen C, Yao Q, and Li M. Thymosin Beta 4 is Overexpressed in Human Pancreatic Cancer Cells and Stimulates Proinflammatory Cytokine Secretion and JNK Activation. *Cancer Bio. Ther.* 2008 Mar; 7(3):419-23.
- B. Haupt. J. Ro, A. Ayala, and **Q.H. Zhai**: Metastatic Prostatic Carcinoma to Testis: Histological Features Mimicking Lymphoma. *International Journal*

of Clinical and Experimental Pathology, 2(1):104-107; 2009.

J. Dancer, **Q.H. Zhai**, D. Coffey, A. Ayala, J. Ro. Clinicopathologic Study of 24 Cases with Primary Cardiac Sarcomas: A Ten-Year Single Institution Experience, *Human Pathology*, 2008 June;39(6):933-8.

H. Y. Cho, D. H. Chung, H. Khurana, **Q.H. Zhai**, and J. Y. Ro. The role of TFE3 in PEComa. *Histopathology*, 2008 August; 53, 224-239.

Y. E. Fong, D. Lopez-Terrada, **Q. H. Zhai**. Primary Ewing's/peripheral primitive neuroectodermal tumor of the vulva. *Human Pathology*, 2008 October; 39 (10),1535-1539.

K. Raparia, A. Ayala, A. Sienko, **Q. H. Zhai**, J. Ro. Myxoid Adrenal Cortical Neoplasms *Annals of Diagnostic Pathology*, 2008 October; 12(5), 344-8.

Q. H. Zhai, J. Black, A. Ayala, and J. Ro: Histologic Variants of Infiltrating Urothelial Carcinoma. In reply Letter to the Editor *Archives of Pathology and Laboratory Medicine*, Vol. 132, October 2008, 1547.

H. L. Wang, F. Anatelli, **Q.H. Zhai**, B. Adley, MD; ST. Chuang, X. J. Yang. Glypican-3 as a Useful Diagnostic Marker that Distinguishes Hepatocellular Carcinoma from Benign Hepatocellular Mass Lesions. *Archives of Pathology and Laboratory Medicine*, Vol. 132, November 2008, 1723-1728

X. Li, RB. Parke Jr., A. Sienko, **Q. H. Zhai**. An Unusually Large Granular Cell Tumor at a New Location-Pharynx: a Case Report and Literature Review. *International Journal of Clinical and Experimental Pathology*, 2(3):300-302; 2009.

Z. Wang, B. Spaulding, A. Sienko, Y. Liang, H. Li, G. Nielsen, G. Y. Gong J. Ro, and **Q.H. Zhai**. Mammaglobin, a valuable diagnostic marker for metastatic breast carcinoma. *International Journal of Clinical and Experimental Pathology*, 2(4), 384-389; 2009.

R. Halloush, I. Akpolat, **Q. H. Zhai**, M. Schwartz, D. Mody. Comparison of ProEx™ C with p16INK4a and Ki-67 Immunohistochemical Staining of Cell Blocks Prepared from Residual Liquid-Based Cervicovaginal Material. *Cancer Cytopathology*, November 19, 2008;114(6):474-80.

H. Cho, M. Lee, H. Takei, J. Dancer, J. Y. Ro, **Q.H. Zhai**: An immunohistochemical comparison of chordoma with chondrosarcoma, myxopapillary ependymoma, and chordoid meningioma. *Applied Immunohistochemistry and Molecular Morphology*, March 2009 – 17(2), 131-138.

A. Ozcan, **Q.H. Zhai**, H. Candice, S. Shen, JY. Ro and LD. Truong. PAX-2 in the Diagnosis of Primary Renal Tumors- Immunohistochemical Comparison with the Renal Cell Carcinoma Antigen, and Kidney-Specific Cadherin. *American Journal of Clinical*

Pathology, 2009, 131 (3), 393-404.

Li M, **Q.H. Zhai**, Chen C, Yao Q, and Fisher WE. Thymosin beta 10 is Aberrantly Expressed in Pancreatic Cancer and Induces JNK Activation. *Cancer Investigation*, 2009; 27(3), 251-6.

J. O. Black, M. A. Luna, O.B. Varona, N. Ordonez, **Q. H. Zhai**: Primary Schwannoma in a cervical lymph node. *Head and Neck*, published online ahead June 17, 2009.

Li M, Zhang Y, Bharadwaj U, **Zhai Q**, Ahern C, Fisher WE, Brunicardi FC, Logsdon CD, Chen C, and Yao Q. Downregulation of ZIP4 by RNA Interference Inhibits Pancreatic Cancer Growth and Increases the Survival of Nude Mice with Pancreatic Cancer Xenografts. *Clinical Cancer Research*, October 1, 2009, 15 (19); 5993-6001.

J Dancer, L. Truong, **Q. Zhai**, SS Shen: Expression of Galectin-3 in Renal Neoplasms: a Diagnostic and Possible Prognostic Marker. *Archives of Pathology and Laboratory Medicine*, January 2010, Volume 134 (1), 90-94.

A. Harvey, B. Grace. JY. Ro, A. Ayala, and **Q.H Zhai**. Diagnostic Utility of P504S/p63 Cocktail, PSA, and PAP in Verifying Prostate Carcinoma Involvement in Seminal Vesicles: A Study of 57 Cases of Radical Prostatectomy Specimens of Pathologic Stage pT3b. *Archives of Pathology and Laboratory Medicine*, July 2010, Volume 134 (7), 983-988.

Qihui Zhai, L Truong. PAX2 Expression in Non-neoplastic, Primary Neoplastic, and Metastatic Neoplastic tissue: A Comprehensive Immunohistochemistry Study. *Applied Immunohistochemistry and Molecular Morphology*, July 2010 Volume 18(4), 323-332.

Rivera AL; Takei H; **Zhai QH**, Shen S, Ro JY, Powell, S Z. Useful immunohistochemical markers differentiate hemangioblastoma versus metastatic renal cell carcinoma. *Neuropathology*, 2010 Dec; 30(6):580-5.

S. Ferioli, J. Dalmau, C.A. Kobet, **Q. H. Zhai**, J. P. Broderick, A. J. Espay. Anti-NMDA-receptor encephalitis: Characteristic behavioral and movement disorder. *Archives of Neurology -- Images in Neurology*, February 2010, 67 (2); 250-1.

H. Al-ghawi, O. Asojo, L. Truong, J. Ro, A. Ayala, **Q. H. Zhai**. Application of Immunohistochemistry to the Diagnosis of Kidney Tumors. *Pathology Case Reviews*. January/February 2010, Volume 15, Issue 1, 25-34.

N-Khameh, **Q.H. Zhai**, and L. D. Truong. Renal Cell Carcinoma with Calcium Oxalate Deposition A Distinct Type of Renal Cell Carcinoma within the Spectrum of Renal Neoplasms Associated with Acquired Cystic Kidney Disease. *Pathology Case Reviews*. *Pathology Case Reviews*. January/February 2010, Volume 15, Issue 1, 11-13.

L. L. Waters, M.D., **Q. H. Zhai**, M.D. Adrenal Ganglioneuroma and Its Differential

Diagnoses. *Surgical Pathology Check Sample SP-1*. Chicago, IL: ASCP Press; Volume 38 (8), 2010.

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Y Ge, MJ Reardon, D Kim, CH Kim, **J Zhai**, D Coffey, AG Ayala, and JY Ro. Primary Cardiac Angiosarcoma (CA): A Clinicopathologic Analysis of Five Cases. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

J. M Gardner, **J. Zhai**, P. Cagle. Expression of Galectin-3 in 39 Malignant Mesotheliomas (MM): Potential Target for Therapy. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

Exploring Novel Markers in the Diagnosis of Hemangioblastoma versus Metastatic Renal Cell Carcinoma. A. Rivera, H. Takei, J. Y. Ro, S. Shen, **J. Zhai**, and S. Z. Powell. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

Overexpression of Human Carcinoma-Associated Antigen (HCA) in Pancreatic Neoplasms. P Nigwekar, TR Lester, Q Yang, PA Bourne, JL Yao, PA di Sant'Agnese, **J. Zhai** and J Huang. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

Mammaglobin, a novel diagnostic marker for metastatic breast carcinoma
Z Wang, B Spaulding, G Nielsen, A Sienko, Y Liang, H Li, J Ro, and **J. Zhai**. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

Folate Receptor (FR) Expression in Stage 1 and 2 Non-Small Cell Lung Cancers (NSCLC): Correlation with Patient Survival and Potential Target for Delivery of Therapy
J Zhai, P. Low, P. Cagle. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

PAX-2 in the Diagnosis of Primary Renal Tumors. Immunohistochemical Comparison with the Renal Cell Carcinoma Marker Antigen (RCCM) and Kidney-Specific Cadherin (KSC). A. Ozcan, **J. Zhai**, A. Kunda, C. Hamilton, S. Shen, and L. D. Truong. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

J. Zhai, A. Ozcan, A. Kunda, C. Hamilton, S. Shen, L. D. Truong. Diagnosing Metastatic Renal Cell Carcinoma (RCC). The Utility of PAX-2 Compared with the Renal Cell Carcinoma Marker Antigen. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

H. Wang, **J. Zhai**, B. Adley, F. Anatelli, S.T.Chuang, and X. Yang Glypican 3 as a Useful Diagnostic Marker that Distinguishes Hepatocellular Carcinoma from Benign Hepatocellular Mass Lesions. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

H. Kim, J. Y. Dancer, **J. Zhai**, M. Reardon, A. G. Ayala, J. Y. Ro. Clinicopathologic Characteristics of Adult Primary Cardiac Sarcomas: Ten-year experience with Analysis of 13 Cases. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

Dancer, **J. Zhai**, M. Reardon, A. G. Ayala, J. Y. Ro. Expression of Oct3/4, Nanog, CD34, CD56, ER and PR in Solid Pseudopapillary Neoplasms of the Pancreas; a Tissue Microarray Study of 50 Case. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

CP. Molina, **J. Zhai**, AG. Ayala, J. Ro. Differentiation of Serous Cystic Pancreatic Neoplasm and Metastatic Renal Cell Carcinoma by Immunohistochemistry. 96th Annual Meeting of the United States and Canadian Academy of Pathology, San Diego, CA, March 24-27, 2007.

SK Galfione, JY Ro, AG Ayala, **QJ Zhai**, Y Ge. WT1 Expression in Benign, Borderline, and Malignant Vascular Tumors: An Immunohistochemical Analysis of 67 Cases. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

JY Dancer, HI Son, OJ Kosarac, GY Gong, SS Shen, **QJ Zhai**, A Ayala, JY Ro. Immunohistochemical Profile in Neuroendocrine Carcinoma of the Breast. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

X Li, MT Lewis, C Creighton, H Wong, MC Gutierrez, CK Osborne, SG Hilsenbeck, J Rosen, **QJ Zhai**, MR Schwartz, JC Chang. Breast Cancer Tumorigenic Cells Are Resistant to Chemotherapy. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

Y Ge, D Kim, SK Galfione, CH Kim, **QJ Zhai**, MJ Reardon, D Coffey, AG Ayala, JY Ro. WT1 Expression in Benign, Borderline and Malignant Primary Cardiac Vascular Tumors: Its Diagnostic Significance. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

CP Molina, D Weilbaecher, **J Zhai**, AG Ayala, JY Ro. Inflammatory Aortic Aneurysm May Be a Reactive Form of Inflammatory Myofibroblastic Tumor: An Immunohistochemical Study on 23 Cases. 97th Annual Meeting of the United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

MJ Lee, SP Kim, HI Son, **QJ Zhai**, AG Ayala, JY Ro. Expression of Paxillin and Galectin-3 Closely Correlated with Patients' Survival in Colorectal Adenocarcinoma. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

MJ Lee, GW Yu, HJ Jeon, CH Suh, **QJ Zhai**, AG Ayala, JY Ro. Expression of CDX2 and Ets-1 Closely Correlated with Patients' Survival in Gastric Adenocarcinoma. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

JM Gonzalez-Berjon, BJ Miles, S Shen, JM Gardner, **Q Zhai**, AG Ayala, J Ro. A Comparative Histopathologic Study of Prostate Cancer Treated by Conventional Radical Prostatectomy and Robotic-Assisted Laparoscopic Radical Prostatectomy: A Series of 1006 Cases. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

M Shahjahan, JY Ro, B Grice, AG Ayala, **QJ Zhai**. Prostate Carcinoma within the Invaginated Extra-Prostatic Space Is Frequently Associated with Higher Stage Grouping: A Study of 73 Cases of Radical Prostatectomy Specimens with pN1 and/or pT3b. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

QJ Zhai, N Wulan, RF Wu, SS Shen, JY Ro, and L Truong. Lymphovascular Invasion in Micropapillary Urothelial Carcinoma, Diagnosis, and Significance. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

HY Cho, M Lee, H Takei, J Dancer, JY Ro, **QJ Zhai**. An Immunohistochemical Comparison of Chordoma with Chondrosarcoma, Myxopapillary Ependymoma, and Chordoid Meningioma. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

LD Truong, **QJ Zhai**, SS Shen, B Krishnan, J Ro. Lymphangiogenesis in Chronic Obstructive Uropathy. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

LD Truong, **QJ Zhai**, SS Shen, C Hamilton, B Krishnan. Renal Injury Associated with Urinary Obstruction. Participation in an Immune Mechanism? 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

DW Davis, **QJ Zhai**, W Li, D Tan, TC Allen, HH Popper, PT Cagle. Expression of Alpha-Methylacyl-COA Racemase (AMACR) in Tissue Microarray of 39 Cases of Diffuse Malignant Mesothelioma (DMM). 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

UR Kundu, W Li, D Tan, TC Allen, **QJ Zhai**, PT Cagle. Alpha-methyl acyl-co-a-racemase (AMACR) Expression Is a Biomarker of Poor Prognosis in Stage 1 and 2 Large Cell Carcinomas of the Lung. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

BH Moore, PT Cagle, TC Allen, A Sienko, R Barrios, A Haque, **QJ Zhai**. Topoisomerase

II-alpha, Minichromosome Maintenance Protein 2 (MCM2), and X-Linked Mammalian Inhibitor of Apoptosis Protein (XIAP) Expression in Pleural Diffuse Malignant Mesothelioma (PDMM): Possible Role for Chemotherapeutic Intervention. 97th Annual Meeting of the United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

M Shahjahan, **QJ Zhai**, TC Allen, AE Sienko, A Haque, R Barrios, S Chakraborty, DR Mody, PT Cagle ProEx C Expression in Non-Small Cell Lung Cancers (NSCLC) Is Associated with Longer Patient Survival. 97th Annual Meeting of United States and Canadian Academy of Pathology, Denver, CO, March 1-7, 2008.

Davis, DW; **Zhai, QJ**; Li, W; Tan, D; Allen, TC; Popper, HH; Cagle, PT. Expression of Alpha-Methylacyl-COA Racemase (AMACR) in a tissue microarray of 39 cases of Diffuse Malignant Mesothelioma (DMM). *Modern Pathology*. 2008; 21: 340A-340A.

Rivera, Andreana Laura; Takei, Hidehiro; Ro, Jae Y.; Shen, Steven; **Zhai, Jim**; Powell, Suzanne Z. Exploring novel markers in the diagnosis of hemangioblastoma versus metastatic renal cell carcinoma: *Journal of Neuropathology & Experimental Neurology*. 66(5):442, May 2007.

Muscularis Mucosae vs. Muscularis Propria in Gallbladder, Cystic Duct, and Common Bile Duct: Smoothelin and Desmin Immunohistochemical Study. K Raparia, **QJ Zhai**, MR Schwartz, L Peters, SS Shen, AG Ayala, JY Ro. The Methodist Hospital, Houston, TX *98th Annual Meeting of the United States and Canadian Academy of Pathology, Boston, MA, March 7-13, 2009*.

S100P Expression in 449 Non-Small Cell Lung Carcinomas (NSCLCs): A Potential Diagnostic and Prognostic Marker. TC Allen, PT Cagle, LR Chirieac, S Dacic, **Q Zhai**. The University of Texas Health Science Center at Tyler, Tyler, TX; The Methodist Hospital, Houston, TX; Brigham and Women's Hospital and Harvard Medical School, Boston, MA; University of Pittsburg School of Medicine, Pittsburg, PA *98th Annual Meeting of the United States and Canadian Academy of Pathology, Boston, MA, March 7-13, 2009*.

Glypican-3 Preferentially Stains Lung Squamous Cell Carcinomas: A Microarray Study of 479 Non-Small Cell Lung Carcinomas (NSCLCs). TC Allen, PT Cagle, S Dacic, LR Chirieac, **Q Zhai**. The University of Texas Health Science Center at Tyler, Tyler, TX; The Methodist Hospital, Houston, TX; University of Pittsburg School of Medicine, Pittsburg, PA; Brigham and Women's Hospital and Harvard Medical School, Boston, MA *98th Annual Meeting of the United States and Canadian Academy of Pathology, Boston, MA, March 7-13, 2009*.

PAX-2 as a Renal and Mullerian Tumor Marker. A Comprehensive Study. **QJ Zhai**, A Ozcan, D Coffey, SS Shen, J Rehana, CR Hamilton, A Kundu, LD Truong. The Methodist Hospital, Houston, TX; Weill Medical College of Cornell University, New York, NY; Gulhane Military Medical Academy and School of Medicine, Ankara, Turkey *98th Annual Meeting of the United States and Canadian Academy of Pathology, Boston, MA, March 7-13, 2009.*

Epithelial-Mesenchymal Transition Cells Are Enriched after Hormonal Therapy. X Li, J Huang, **Q Zhai**, MT Lewis, MR Schwartz, J Chang. The Methodist Hospital, Houston, TX; Baylor College of Medicine, Houston, TX *98th Annual Meeting of the United States and Canadian Academy of Pathology, Boston, MA, March 7-13, 2009.*

Expression of Insulin-Like Growth Factor II mRNA-Binding Protein 3 (IMP3) in Human Esophageal Adenocarcinoma and Its Precursor Lesions. W Feng, CD Truong, **J Zhai**, Z Zhou, D Tan. The University of Texas MD Anderson Cancer Center, Houston, TX; The Methodist Hospital, Houston, TX; The University of Rochester, Rochester, NY *98th Annual Meeting of the United States and Canadian Academy of Pathology, Boston, MA, March 7-13, 2009.*

Trend of Radical Prostatectomy and Clinical Pathologic Features of Prostate Cancer: Experience from a Single Tertiary Hospital in the Last Ten Years. JM Gonzalez-Berjon, JY Ro, TM Wheeler, **QH Zhai**, AG Ayala, SS Shen. The Methodist Hospital and Research Institute, Houston; Baylor College of Medicine, Houston, TX *98th Annual Meeting of the United States and Canadian Academy of Pathology, Boston, MA, March 7-13, 2009.*

PAX-8 Is a Specific Marker for Renal Neoplasms. Comparison with PAX-2, Renal Cell Carcinoma Marker Antigen (RCCM), and Kidney Specific Cadherin (KSP). R Javed, **QJ Zhai**, SS Shen, B Krishnan, JY Ro, L Truong. The Methodist Hospital, Weil-Cornell Medical College, Houston, TX; Baylor College of Medicine, Houston, TX *98th Annual Meeting of the United States and Canadian Academy of Pathology, Boston, MA, March 7-13, 2009.*

Ognjen Kosarac, **Qihui Zhai**, Hidehiro Takei, Dina R. Mody, Mary R. Schwartz, Philip T. Cagle. IMP3, S100P, and XIAP Are Valuable Biomarkers in the Distinction Between Chronic Pancreatitis and Pancreatic Ductal Adenocarcinoma. *Archives of Pathology and Laboratory Medicine*. Vol. 133 (10) October 2009, 1618.

Susan L. Haley, Mary R. Schwartz, Garth P. Davis, **Qihui "Jim" Zhai**. Enteritis Cystica Profunda Mimicking Invasive Adenocarcinoma in an Adolescent Patient with Peutz-Jeghers Syndrome. *Archives of Pathology and Laboratory Medicine*, Vol. 133 (10), October 2009, 1622.

Wei Feng, Camtu D. Truong, **Qihui Zhai**, Dongfeng Tan. The Overexpression of RNA-Binding Protein IMP3 in Human Gastric Adenocarcinoma. *Archives of Pathology and*

Laboratory Medicine, Vol. 133 (10), October 2009, 1622.

Byron H. Moore, Alan Kaplan, **Jim Zhai**. Primary Peritoneal Carcinosarcoma in Conjunction with Tubal Intraepithelial Dysplasia. *Archives of Pathology and Laboratory Medicine*, Vol. 133 (10), October 2009, 1637.

Munir Shahjahan, Philip T. Cagle, Timothy C. Allen, Anna Sienkko, Abida Haque, Roberto Barrios, Subhendu Chakraborty, Bahram R. Oliyai, Rodney T. Miller, Cary J. Buresh, Helmut H. Popper, **Qihui "Jim" Zhai**. Expression of Excision Repair Cross-Complementation Group 1 in Tissue Microarray of 222 Non-Small Cell Lung Cancers: Correlation with Patient Survival. *Archives of Pathology and Laboratory Medicine*, Vol. 133 (10), October 2009, 1643.

William P. Tarrant, Micheal Coburn, Luan Truong, Alberto Ayala, Cagle, MD; Philip Cagle. **Qihui "Jim" Zhai**. Papillary Nephrogenic Adenoma Mimics a Papillary Urothelial Carcinoma in Urinary Bladder: Case Report and Literature Review. *Archives of Pathology and Laboratory Medicine*, Vol. 133 (10), October 2009, 1658.

Elizabeth B. McQuitty, Luan D. Truong, Steven S. Shen, Jae Y. Ro, Alberto G. Ayala, Philip T. Cagle, MD; **Qihui "Jim" Zhai**. Lymphovascular Invasion in Micropapillary Urothelial Carcinoma. *Archives of Pathology and Laboratory Medicine*, Vol. 133 (10), October 2009, 1662.

Lindsay L. Waters, **Qihui "Jim" Zhai**, Scott Buie, John A. Pumphrey, Sang Wu. Atypical Glomus Tumor of Uncertain Malignant Potential in the Urinary Bladder: Case Report and Literature Review. *Archives of Pathology and Laboratory Medicine*, Vol. 133 (10), October 2009, 1664.

Kirtee Raparia, Jerry Lin, Alberto G. Ayala, Philip T. Cagle, Donald Donovan, **Qihui "Jim" Zhai**. Chondroblastoma-Like Chondroma of Soft Tissue: First Case is the Base of the Skull. *Archives of Pathology and Laboratory Medicine*, Vol. 133 (10), October 2009, 1706.

NC Fernandez, F Lucas, and **Q Zhai**. The Value of Frozen Section Diagnosis in Thyroid Pathology. *Modern Pathology* Vol. 23 February 2010 page 274.

G. Lou, A. Somoza, G. Hill, **Q. Zhai**, F. Lucas. Myoepithelial Marker Expression in Breast Core Biopsy High-Grade DCIS as a Predictor of Invasive Carcinoma in Subsequent Resection Specimens. *Modern Pathology* Vol. 23 February 2010, page 61.

OA. Asojo, H. Al-Ghawi, K. Wikenheiser-Brokamp, G Hill, F. Luca, **Q. Zhai**. P16 Expression in Squamous Cell Carcinoma in Multiple Organ Sites. *Modern Pathology* Vol. 23 February 2010, page 397.

BK. Turner, N. Fernandez, F. Lucas, **Q. Zhai**. Frozen Section Diagnostic Accuracy in Salivary Gland Lesion. *CAP Annual Meeting, Chicago, 2010*.

OA. Asojo, K. Wikenheiser-Brokamp, G Hill, F. Luca, **Q. Zhai**. Expression and Diagnostic Implications HPV and p16 Expression in Squamous Cell Carcinoma in Multiple Organ Sites. *Presented at USCAP Annual Meeting 2011*.

Nella Cristina Fernandez –Reggentin, Rodger Smith, Q.H. Zhai. Sarcoidosis: Epidemiologic Profile and Autopsy Findings of 22 Cases. Platform presentation in *USCAP Annual Meeting 2011*.

Vladimir Mouraviev, Balaji Kalyanaraman, **Qihui Jim Zhai**, John Delaware, Krishnanath Gaitonde, James Donovan, Sadhna Verma. VP03-10 Periprostatic Tissue/Neurovascular Bundle (PT-NVB) by Diffusion Tensor Imaging (DTI) Improves Accuracy of MRI for Detection of Extracapsular Extension (ECE). 29th World Congress of Endourology. *J. of Endourology*, 2011, page A288.

Vladimir Mouraviev, Balaji Kalyanaraman, **Qihui Jim Zhai**, Krishnanath Gaitonde, James Donovan, Sadhna Verma. MP21-04 The Multisequence MRI is a Highly Accurate for Staging Bladder Cancer. 29th World Congress of Endourology. *J. of Endourology* 2011, page A131.

Moris Felgueroso, Jennifer Jiang, **Jim Zhai**, Howard Crawford, Kenneth Takeuchi, and Michael Wallace. Plectin-1 as a biomarker for malignant progression in intraductal papillary mucinous neoplasms (IPMNs) of the pancreas. Digestive Disease Week 2015.

Ryan K Funk, David G., Stoddard, Kanograt Tangsriwong, Michael G. Keeney, **Qihui Zhai**, Eneida F. Vencio, Alexander Lin, Joaquin J. Garcia, Eric J. Moore Robert L. Foote Katharine A. Price Daniel J. Ma Pooled Analysis of Locoregional Relapse after Minimally Invasive Surgery Alone for Intermediate- or High-risk HPV+ Oropharyngeal Squamous Cell Carcinoma. Submitted to the American Radium Society Annual Meeting.

Miller D, Ko S, **Zhai Q**, Habboush Y, Tzou KS, Peterson JL, Vallow LA, Miller RC, Buskirk SJ, Patel SH, Foote RL. Prevalence and prognostic implications of human papillomavirus in oral cavity cancer *International Journal of Radiation Oncology Biology Physics*. 2016 Mar 15; 94: (4)945-6.

Miller D, Ko S, Wert K, Waddle MR, May BC, Miller RC, Peterson JL, Menefee ME, Young G, Casler JD, Patel SH, **Zhai Q**, Zhou L, Buskirk SJ, Foote RL. High-risk oral cavity carcinoma patient outcomes following minimally invasive surgery and adjuvant radiation *International Journal of Radiation Oncology Biology Physics*. 2017 Oct 1; 99 (2 Suppl): E359-60.

Routman DM, Funk RK, Tangsriwong K, Lin A, Michael K, Garcia JJ, Stoddard DG, Eric MJ, Day CN, **Zhai Q**, Price K, Lukens JN, Samuel SM, Weinstein GS, O'Malley B, Foote RL, Ma DJ. Relapse rates with surgery alone in HPV-related intermediate- and high-risk-group oropharynx squamous cell cancer: A multi-institutional review. *International Journal of Radiation Oncology Biology Physics*. 2017 Oct 1; 99 (2 Suppl): E369.

Miller, Daniel H., Ko, Stephen J., Wert, Katey, Kaleem, Tasneem, May, Byron C., Tzou, Katherine S., Vallow, Laura A., Menefee, Michael E., Young, Geoffrey D., Martinez, Juan-Carlos, **Zhai, Qihui (Jim)**, Zhou, Li, Patel, Samir H., Buskirk, Steven J., Foote, Robert L. Radiation Therapy Outcomes in an Immunosuppressed Patient Population with Cutaneous Squamous Cell Carcinoma. Florida Medical Association meeting in Orlando, FL. August 5, 2017.

Ebrahimi S, Patel SH, McGee L, Garcia J, Ma DJ, Foote RL, Garces YI, Neben Wittich MA, Price KA, Schmitt A, **Zhai Q**, May BC, Nagel T, Hinni M, Routman D, Chintakuntlawar AV, Rwigema JC. Long term experience of treatment outcomes of salivary ductal carcinomas at a single institution. ASTRO 2021.

XIII. National Pathology Conference Moderation

GU Pathology Platform Session
Monday Afternoon, March 3, 2008
USCAP, 97th Annual Meeting
March 1-7, Denver, CO

GU Pathology Platform Session
Tuesday Afternoon, March 10, 2009
USCAP, 98th Annual Meeting
March 7-13, Boston, MA

GU Pathology Platform Session
Tuesday Afternoon, March 23, 2010
USCAP, 99th Annual Meeting
March 20-26, Washington, DC

Platform Presentations (selected):

Q. H. Zhai, N. Futrell, L. Wang, F. J. Chen, H.E. Gendelman: Cytokine Gene Expression in Acute Cerebral Infarcts in the Rat. 20th International Joint Conference on Stroke and Cerebral Circulation. February 9-11, 1995. Charleston, South Carolina.

Q. H. Zhai, N. Futrell, F. J. Chen: The inhibition of endogenous TNF- α with an antisense oligonucleotide increases the size of cerebral infarcts in the rat. 8th Annual Meeting by Society for Experimental Neuropathology. October 21-26, 1995. Washington D.C.

F. J. Chen, N. Futrell, **Q. H. Zhai**: Cellular localization of TNF- α protein after middle cerebral artery occlusion by double-labeling immunohistochemistry. 8th Annual Meeting by Society for Experimental Neuropathology. October 21-26, 1995. Washington D.C.

Q. H. Zhai, N. Futrell, F. J. Chen, M. Pares.: An Antisense Oligonucleotide to TNF- α

mRNA Increases the Size of Cerebral Infarcts in the Rats. 25th Annual Meeting by Society for Neuroscience. November 11-16, 1995. San Diego, California.

Q. H. Zhai, N. Futrell, F. J. Chen: Cerebral Injection of Anti-inflammatory Cytokine IL-10 Increases the Size of Cerebral Infarcts in the Rat. 26th Annual Meeting by Society for Neuroscience. November 16-21, 1996. Washington D.C.

F. J. Chen, N. Futrell, **Q. H. Zhai**: Cellular Localization of TNF- α mRNA in Rat Brains Following Acute Cerebral Ischemia by *In Situ* RT-PCR. 27th Annual Meeting by Society for Neuroscience. October 25-30, 1997. New Orleans, Louisiana.

Q. H. Zhai, N. Futrell, F. J. Chen: Higher Neuronal Vulnerability to Ischemia in Aged Rats is Associated with Lower TNF- α Expression and Lower CuZn Superoxide Dismutase (SOD) Response. 27th Annual Meeting Society for Neuroscience. October 25-30, 1997. New Orleans, Louisiana.

Q. H. Zhai, F. J. Chen, S. Bowyer, M. Chopp, K.M.A. Welch: Cortical Spreading Depression Induces Tumor Necrosis Factor α in Rat Brain Tissue. XII Migraine Trust International Symposium, 1st-4th September 1998. London, UK.

Q. H. Zhai, HR Choi, E Sturgis, MA Luna, JG Batsakis, and AK El-Naggar: Hybrid Conventional and Sarcomatoid Squamous Carcinoma of Head and Neck: Molecular Evidence for Monoclonality and Progression. The United States and Canadian Academy of Pathology 92nd Annual Meeting, Washington D.C. March 22-28, 2003.

Q. H. Zhai, M. Amrikachi, A. C. Lega, T. C. Allen, A. H. Cermak, D. Killen, G. Ayala, R. Barrios, A. Haque, D. S. Zander, and P. T. Cagle: Expression of CD138 and Thyroid Transcription Factor-1 (TTF-1) in Pulmonary Blastoma and Sarcomatous Carcinoma of the Lung: Study of 16 Cases. Accepted as a platform presentation at the United States and Canadian Academy of Pathology 93rd Annual Meeting, Vancouver, Canada, March 6-12, 2004.

Li, M., **Q.H. Zhai**, W. E. Fisher, Q. Yao, C. Chen. Expression and function of cyclophilins and CD147 in human pancreatic cancer. 2005 Meeting of the Association of VA Surgeons, Salt Lake City, Utah, March 11-13th, 2005.

Li M, **Q.H. Zhai**, Feurino L, Li F, Fisher WE, Chen C, and Yao Q. Role of thymosin beta 4 and beta 10 in pancreatic cancer. 3rd annual Cancer Center Symposium, Baylor College of Medicine, Houston, TX, Nov 4th, 2005.

Li, M., **Q.H. Zhai**, W. E. Fisher, Q. Yao, C. Chen. Cyclophilin A is overexpressed in human pancreatic cancer cells and stimulates cell proliferation through CD147. Molecular Surgeon Research Day, Baylor College of Medicine. Dec 16th, 2005.

Li, M., Feurino, L, Li F, **Q.H. Zhai**, Fisher WE, Chen C, and Yao Q. Thymosin Alpha 1

Stimulates Cell Proliferation by Activating ERK1/2 and JNK and Increasing Cytokine Secretion in Human Pancreatic Cancer Cells. 1st Annual Academic Surgical Congress, San Diego, CA, Feb. 7-11, 2006.

Poster Presentations (selected):

F. J. Chen, **Q. H. Zhai**, R. Harmon, D. Wang, N. Futrell: Sensitivity of Behavioral Tests to Neurological Deficits in Rats with Acute Middle Cerebral Artery Infarcts. 25th Annual Meeting by Society for Neuroscience. November 11-16, 1995. San Diego, California

F. J. Chen, N. Futrell, **Q. H. Zhai**: Cellular localization of TNF- α protein after middle cerebral artery occlusion by double-labeling immunohistochemistry. 25th Annual Meeting by Society for Neuroscience. November 11-16, 1995. Washington D.C.

Q. H. Zhai, N. Futrell, F. J. Chen: Worsening of Cerebral Infarcts in the Rat by Inhibiting TNF- α with Antisense Oligonucleotide May Involve Apoptosis, NMDA and PAF Pathways. 21st International Joint Conference on Stroke and Cerebral Circulation. January 25-27, 1996. San Antonio, Texas.

F. J. Chen, N. Futrell, **Q. H. Zhai**: Macrophage Contain Neurotrophic Factors Following Embolic Stroke in the Rat by Double Labeling Immunohistochemistry. 26th Annual Meeting by Society for Neuroscience. November 16-21, 1996. Washington D.C.

Q. H. Zhai, N. Futrell, F. J. Chen: Calcium Bound Calmodulin is Upregulated Following TNF- α Inhibition with Antisense Oligonucleotide After Middle Cerebral Artery Occlusion in the Rat. 22nd International Joint Conference on Stroke and Cerebral Circulation. February 6-8, 1997. Anaheim, California.

F. J. Chen, **Q. H. Zhai**, S. Bowyer, M. Chopp, K.M.A. Welch: Expression of Tumor Necrosis Factor α , P-Selectin, and Fibrinogen in Rat Brain After Cortical Spreading Depression. 28th Annual Meeting Society for Neuroscience. Nov.7-12, 1998. Los Angeles, CA.

F. J. Chen, **Q. H. Zhai**, R. E. Anderson, F. B. Meyer: Neutralization of VEGF Reduces Brain Edema and Infarction After Transient Cerebral Ischemia in Rats. Brain=99 and BrainPET=99, June 13-17,1999, Copenhagen, Denmark.

Q. H. Zhai, F Esteva, P Lee, Q Yang, C Qi, and A Sahin: Cyclin D1 And P27 Expression Correlates with Response to Trastuzumab Therapy in Patients With HER-2-Overexpressing Metastatic Breast Cancer. The United States and Canadian Academy of Pathology 92nd Annual Meeting, Washington D.C. March 2003.

JS Liu, **Q.H. Zhai**, DG Rosen, K Lu, and R. Broaddus: Loss of DNA Mismatch Repair Protein HMSH6 in Ovarian Cancer is Histotype Specific. The United States and Canadian

Academy of Pathology 93rd Annual Meeting, Washington D.C. March 2003.

Q. H. Zhai and Adel El-Naggar: P63, a P53-Homolog, a Specific Nuclear Marker of Myoepithelial Cells in Salivary Gland Tumors. The United States and Canadian Academy of Pathology 93rd Annual Meeting, Vancouver, Canada, March 6-12, 2004.

H. Zhang, **Q.H. Zhai**, A. Chagpar, N. Nilza, H. M. Kuerer, L.P. Middleton, G.J. Whitman, T.A. Buchloz, K.K. Hunt and A. Sahin: Amount of Tumor Present in Core Needle Biopsy (CNB) Samples: A Significant Predictor of Margin Status in Subsequent Breast-Conserving Surgery (BCS) Specimens in Patients with Ductal Carcinoma in Situ (DCIS). Accepted as a poster presentation at the United States and Canadian Academy of Pathology 93rd Annual Meeting, Vancouver, Canada, March 6-12, 2004.

LD Truong, N Singal, R, Amato, **Q.H. Zhai**, S Shen: Expression of Galectin 3 in Renal Cell Carcinoma (RCC): A Tissue Microarray and Immunohistochemical Study. 95th Annual Meeting of the United States and Canadian Academy of Pathology. February 11-17, 2006, Atlanta, GA.

D Truong, **Q.H. Zhai**, JY Ro, S Shen: Lymphovascular Invasion in Urothelial Carcinoma of the Bladder: Diagnostic Utilities and Biologic Implications of the Lymphovascular Markers CD34, CD31, and D2-40. 95th Annual Meeting of the United States and Canadian Academy of Pathology. February 11-17, 2006, Atlanta, GA.

S Shen, JY Ro, RF Tibbs, LD, Truong, **Q.H. Zhai**, SJ Jung, P Tamboli, NG Ordonez, AG Ayala: Mucinous Tubular and Spindle Cell Carcinoma of Kidney: Histologic and Immunohistochemical Features Favoring Proximal Nephron Differentiation. 95th. Annual Meeting of the United States and Canadian Academy of Pathology. February 11-17, 2006, Atlanta, GA.

G Gonlusen, J Hicks, S Shen, **Q.H. Zhai**, R Barrios, K Eldin, LD Truong. Galectin 3 (Gal) Expression in Lupus Nephritis. Pathologic and Biologic Implications 95th Annual Meeting of the United States and Canadian Academy of Pathology. February 11-17, 2006, Atlanta, GA.

Li, M., **Zhai, Q**, W. E. Fisher, Q. Yao, C. Chen. Expression and function of cyclophilins and CD147 in human pancreatic cancer. 2005 Meeting of the Association of VA Surgeons, Salt Lake City, Utah, March 11-13th, 2005.

Li M, **Zhai Q**, Feurino L, Li F, Fisher WE, Chen C, and Yao Q. Role of thymosin beta 4 and beta 10 in pancreatic cancer. 3rd annual Cancer Center Symposium, Baylor College of Medicine, Houston, TX, Nov 4th, 2005.

Li, M., **Zhai, Q**, W. E. Fisher, Q. Yao, C. Chen. Cyclophilin A is overexpressed in human pancreatic cancer cells and stimulates cell proliferation through CD147. Molecular Surgeon Research Day, Baylor College of Medicine. Dec 16th, 2005.

Li, M., Feurino, L, Li F, **Zhai Q**, Fisher WE, Chen C, and Yao Q. Thymosin Alpha 1 Stimulates Cell Proliferation by Activating ERK1/2 and JNK and Increasing Cytokine Secretion in Human Pancreatic Cancer Cells. 1st Annual Academic Surgical Congress, San Diego, CA, Feb. 7-11, 2006.

**XIV. Invited Keynote Speeches, Grand Rounds, and CME Lectures
(Selected from more than 200 presentations)**

Inhibition of Tumor Necrosis Factor worsens cerebral infarcts in the rat
National Institute of Aging Lecture
Baltimore, MA, October 1995.

Molecular alterations and gene therapy for ischemic strokes in an animal model
Mayo Clinic, Rochester
Rochester, MN, November 1999

Breast cancers and predictive biomarkers
Medical College of Georgia
Augusta, GA, December 2002

An update of immunohistochemistry in clinical applications
Baylor College of Medicine & The Methodist Hospital Grand Round
Houston, TX, September 2004

EGFR in esophageal carcinoma
Beijing University Cancer Institute
Beijing, PR China, April 2005

Targeted therapy: an approach of personalized management
The First World Medicine Summit
Shanghai, PR China, June 27-29

A Diagnostic Approach to Salivary Gland Tumors
2007 Annual Meeting of Pathological Society of China
Chengdu, P.R. China, April 2007

Molecular and Morphologic Pathology
Suzhou University School of Medicine
Suzhou, P.R. China, April 2007

An Update of Diagnostic Immunohistochemistry
Guangdong Kingmed Medical Center
Guangzhou, P. R. China, May 2007

Major Differential Diagnoses in Salivary Glands Tumors

Guangdong Pathology Society
Guangzhou, P. R. China, May 2007

Diagnostic Immunohistochemistry in Thyroid Pathology
Annual Meeting of Chinese Pathology Society
Shenyang, P. R. China, June 2008

Pathology of Thyroid Nodules
Grand Rounds
Cincinnati Children's Hospital
Cincinnati, OH, January 2010

Evolving Role of Surgical Pathology: from Traditional to Contemporary
Grand Rounds
University of Cincinnati Hematology-Oncology
Cincinnati, OH, February 25, 2011

Frozen Section of Thyroid Pathology: Approach and Pitfalls
19th Congress of Chinese Society of Pathology and
3rd Annual Meeting of Chinese Pathologists
November 9, 2013, Guangzhou, China

Thyroid Pathology: focus on a frozen section (keynote)
The annual meeting of Mexico Society of Pathology
Mexico City, Mexico
January 23, 2014

Head and Neck Pathology: focus on a frozen section (keynote)
The annual meeting of Mexico Society of Pathology
Mexico City, Mexico
January 24, 2014

Diagnostic Pitfalls and Pearls in Thyroid Pathology
at Shanghai Tumor Pathology Summit Forum and Advances in Soft Tissue
and Bone Tumor Pathology
March 30, 2014, Shanghai, China

Diagnostic Pitfalls and Pearls of Thyroid Nodules: Integration of Cytology,
Molecular, Frozen Section, and Clinical Implications
at Controversies and Recent Developments in Surgical Pathology
April 20, 2014, Xian, China

Practical Issues in Thyroid Pathology
at Henan Provincial Pathology Conference
April 26, 2014, Zhengzhou, China

Diagnostic Pitfalls and Pearls in Head and Neck Pathology
Grand Rounds Geisinger Medical System
September 22, 2014

Diagnostic Pitfalls in GU Pathology
IAP 2014

October 5-10, 2014 Bangkok, Thailand

Common Diagnostic Issues in Urological Pathology: application of immunohistochemistry
Brazilian Society of Pathology

Brazilian Division IAP

October 17-18, 2014 Sao Paulo, Brazil

Thyroid Pathology: focus on frozen section diagnostic dilemmas

Brazilian Society of Pathology

Brazilian Division IAP

October 17-18, 2014 Sao Paulo, Brazil

Head and Neck Pathology: real frozen section cases

Brazilian Society of Pathology

Brazilian Division IAP

October 17-18, 2014 Sao Paulo, Brazil

Challenging Head and Neck Cases: An Analytic Approach

20th Congress of Chinese Society of Pathology and

4th Annual Meeting of Chinese Pathologists

November 14-16, 2014 Chongqing, China

Neck Cystic Lesions: Diagnostic Issues and Clinical Implications

Head and Neck Multidisciplinary Grand Rounds

Royal Prince Alfred Hospital, University of Sydney

June 1, 2015, Sydney Australia.

Frozen Section Diagnosis of Head Neck Pathology

Regional Head and Neck Disease Network

Royal Prince Alfred Hospital,

University of Sydney

June 1, 2015, Sydney Australia.

Application of Immunohistochemistry in Genitourinary Pathology

Department of Anatomical Pathology

National Health Laboratory Service/University of the Witwatersrand

Slide seminar: Frequent Diagnostic Dilemmas in Urologic Pathology

Johannesburg, South Africa, May 30, 2016.

Diagnostic Issues and Update in Genitourinary Pathology

Slides Seminar: Common Pitfalls in GU Pathology

Department of Pathology

University of Botswana

June 8-9, 2016, Gaborone, Botswana.

FUNDACION SANTAFE DE BOGOTA

INSTITUTO DE CANCER CARLOS ARDILLA LULLE

Diagnosis in Cancer – Pathology and molecular biology

Bogota, Columbia February 14, 2017.

Cómo se diagnostica cáncer?

Importancia del área de patología y biología molecular.

Hospital Solca, Portoviejo, Ecuador

February 1, 2018.

Cómo se diagnostica cáncer?

Importancia del área de patología y biología molecular.

Hospital Solca, Quito, Ecuador

February 2, 2018.

What Do You Look for in a Pathology Report?

Mayo Cancer Symposium

Orlando, FL March 6, 2017.

Critical Roles Pathologists play in Diagnosis, and Therapy

Mayo Cancer Symposium

Orlando, FL March 24, 2017.

CAP Accreditation in Anatomical Pathology Laboratory

Grand Rounds at Department of Pathology, McGill University

McGill University Health Center

Montreal, Canada June 2017.

Analytic Approach to Salivary Gland Tumors

Grand Rounds at Department of Pathology, McGill University

McGill University Health Center

Montreal, Canada June 2017.

Diagnostic Pitfalls and Pearls in Head and Neck Pathology

European Pathology Conference

August 2, 2017, Milan Italy.

Thyroid Pathology: from Histology to Molecular Testing

National Cancer Center 2017 International Head and Neck Oncology Symposium & The

Sixth Summit of Standardized Treatment and Advances for Thyroid Cancer

August 18-2017, Beijing, China.

All You Need to Know about Urinary Bladder Pathology

Fourth Sino-American Symposium on Recent Progress in Surgical Pathology

and Highlights of 2018 USCAP

April 20, 2018, Xi'an, China.

Mount Sinai Medical Center
Department of Laboratory Medicine and Pathology
Thyroid Pathology: Update and Controversies
Slide Seminar: Head and neck pathology
Miami Beach, FL December 12, 2018.

University of Miami Miller School of Medicine
Department of Laboratory Medicine and Pathology
Grand Rounds Integrated Diagnostic Approach to Salivary Gland Tumors
Slides Seminar: Common Diagnostic Pitfalls and Pearls in Head and Neck Pathology
Miami, FL December 13, 2018.

New York University School of Medicine Langone Health
Department of Laboratory Medicine and Pathology
Grand Rounds: Diagnostic Pitfalls, Pearls and Clinical Relevance of Salivary Gland Tumors
Slides Seminar: Diagnostic Issues in Thyroid and Head and Neck Pathology
New York, New York January 7, 2019.

The 12th Asia Pacific International Academy of Pathology Congress
Head and Neck Pathology: Frozen Section Diagnostic Dilemmas and Clinical Implications
Organized by Department of Pathology Okayama University Medical School
Japan, November 1, 2021 (Virtual Meetings).

Pathology + Oncology Interactive Symposium: A precision Medicine
Partnership for Better Patient Care
The role of a pathologist in molecular oncology
Orlando FL, November 6, 2021.

Oregon Pathologists Association
Selected Cases in GU and Head Neck Pathology
November 12, 2022.

XV. Regional, National, and International CME Seminars

Urothelial carcinoma: Morphological Variants and Clinical Significance
Houston Society of Clinical Pathologists
Houston, TX, February 22, 2006.

Frequently Encountered Diagnostic Dilemmas in Genitourinary Pathology –
A Practical Immunohistochemical Approach
Short Courses at the United States and Canadian Academy of Pathology
2010 Annual Meeting, Washington DC, March 20-26, 2010.
2011 Annual Meeting, San Antonio, TX February 26-March 4, 2011.

2012 Annual Meeting, Vancouver, March 17-23, 2012.

Surgical Pathology Pearls and Pitfalls

American Academy of Otolaryngology Annual Meeting
Instruction Course, September 27, 2010, Boston.

Applications of Immunohistochemistry to Diagnostic Problems in Genitourinary Pathology

College of American Pathologists, Annual Meetings

CAP'10, Chicago, September 26-29, 2010

CAP'11, Grapevine (Dallas/Ft. Worth), September 11-14, 2011

CAP'12, San Diego, September 9-12, 2012.

Practical Issues in Genitourinary Pathology: Pitfalls and Pearls

Florida Society of Pathologists

2012 Summer Anatomic Pathology Conference

July 15, 2012, West Palm Beach, FL.

Frozen Section in Head and Neck Pathology: Diagnostic Dilemmas

Florida Society of Pathologists

2012 Summer Anatomic Pathology Conference

July 15, 2012, West Palm Beach, FL.

Immunohistochemistry in Genitourinary Pathology: Diagnostic Utility and Pitfalls.

American Society of Clinical Pathology (ASCP) Annual Meeting

October 31-November 3, 2012

Boston, MA.

Frozen Section Diagnostic Pitfalls and Pearls in Salivary Glands Tumors:

A Case-Based Presentation

8th Asia Pacific IAP, September 5-8, 2013, Busan, Korea.

Frozen Section Pathology of Thyroid and Parathyroid Glands:

An Interactive Approach between a Surgeon and a Pathologist

Anatomic Pathology Course CAP'13

October 13-16, Orlando, 2013.

Frozen Section Diagnostic Pitfalls and Pearls in Head and Neck Pathology:

What do otolaryngologists need to know intra-operatively?

How do pathologists reach accurate interpretations?

The United States and Canadian Academy of Pathology Annual Meeting

Short Course 2013-2015.

Common Diagnostic Dilemmas in Head and Neck Pathology:

Pitfalls, Pearls, and Clinical Insights

The United States and Canadian Academy of Pathology Annual Meeting

Short Course 2016-2018.

Diagnosis and Staging: *A Vision of Hope Kidney Cancer Education Symposium*
September 17, 2016, UNF Adam W. Herbert University Center, Jacksonville, FL.

Common Diagnostic Dilemmas in Urinary Bladder Pathology
The United States and Canadian Academy of Pathology Annual Meeting
Interactive Microscopy Course
Seattle, WA 2016.

Practical Issues and Clinical Implications in Urinary Bladder Pathology
The United States and Canadian Academy of Pathology Annual Meeting
Short Course 2017-2019.

Interactive Microscopy Session “Urinary Bladder Pathology”
United States and Canadian Academy of Pathology Annual Meeting
National Harbor, MD, 2019.

Practical Approach to Diagnoses of Salivary Gland Tumors: Pitfalls and Pearls
Mayo Clinic Pathology Update:
A Tribute to the Career of Kevin O. Leslie, M.D.
January 26, 2017, Mayo Clinic Arizona, Phoenix, AZ.

Frozen Section Diagnoses of Thyroid Nodules and Clinical Implications
National Cancer Center 2017 International Head and Neck Oncology Symposium & The
Sixth Summit of Standard Treatment and Advances for Thyroid Cancer
August 18-19, 2017.

Frozen Section Diagnosis in Head and Neck Pathology: Pitfalls and Pearls
California Society of Pathologists 70 Annual Meeting
December 1, 2017, San Francisco, CA.

Diagnostic Problems in Surgical Pathology
California Society of Pathologists 70 Annual Meeting
December 2, 2017, San Francisco, CA.

Non-invasive Lesions of Urinary Bladder: Common Diagnostic Dilemmas:
Peking Union Medical College Hospital- Mayo Pathology Summit
April 14, 2019, Beijing, China.

Morphological Variants of Invasive Urothelial Carcinoma:
What Do They Look Like and What Do They Mean?
Peking Union Medical College Hospital- Mayo Pathology Summit
April 14, 2019, Beijing, China.

New Classification and Clinic Significance of Salivary Gland Tumor
2018 Cancer Diagnosis Update
April 13, 2018, Hangzhou China.

Molecular Biomarkers in Immunotherapy, Today and the Future.
23rd Congress of the Asian Pacific Society of Respiriology,
November 29-December 2, 2018, Taipei, Taiwan.

What should we know more about TMB testing-help on selecting the right patients to the right treatment? Tumor Mutational Burden Symposium (Keynote speaker).
December 2, 2018, Taipei, Taiwan.

Diagnostic Pearls and Update in Salivary Gland Tumors: Integration of Morphology, Immunohistochemistry, and Molecular Tests
Western New York Society of Pathologists
May 2, 2019, Buffalo, New York.

Common Diagnostic Pitfalls and Solutions in Urinary Bladder Pathology
Roswell Park Cancer Center
May 3, 2019, Buffalo New York.

USCAP Interactive Microscopy Course Director
Common and Challenging Diagnostic Dilemmas on Frozen Section Service
October 4-7, 2019 Palm Springs, CA.

Florida Society of Pathologists Summer Meeting
Minimizing Damage by actively responding to serious diagnostic errors:
A multidisciplinary team approaches
July 17-18, 2021 Palm Beach, FL.

Florida Society of Pathologists Summer Meeting, 2021
Roundtable Expert Panelist: How to handle legal issues secondary to malpractice.
West Palm Beach, July 2021.

College of American Pathologists Annual Meeting 2021
Common Diagnostic Issues and Update in Head and Neck Lesions: Pitfalls and Clinical Insights. September 25, 2021 Chicago IL

The 7th Annual CAPA Diagnostic Course
Glandular Lesions in Urinary Bladder
September 11-12, 2021.

12th Asia Pacific International Academy of Pathology
New Development of Immunohistochemistry in Head Neck Lesions
November 1-14, 2021 Japan.

Fitting a Square Peg into a Round Hole: How to Make Best Practices Work for Your Society. CAP Pathologist Leadership Summit. Washington DC. May 2, 2022

State University of New York/New York Harbor Healthcare System, Brooklyn New York

Grand Round. Head and Neck Pathology: Integration of Morphology and Molecular Pathology. May 27, 2022

Mount Sinai Medical Center New York Department of Pathology and Laboratory Medicine
Grand Round. CAP can benefit your clinical practice, develop your career and leadership
July 21, 2022