

BONNIE L. BALZER, MD, PhD, Vice Chair for Anatomic Pathology**CURRICULUM VITAE**

August 2018

Professional Contact: Department of Pathology
Cedars-Sinai Medical Center
8700 Beverly Blvd
Los Angeles, CA 90048

Education:

1986 - 1989	B.S. Chemistry Santa Clara University, Santa Clara, CA
1990 - 1995	PhD - Chemistry University of Virginia, Charlottesville, VA
1995 - 2000	Medical Degree Stanford University School of Medicine Palo Alto, CA
June 2000 - March 2001	OB/GYN Internship Barnes Hospital, St. Louis, MO
April 2001 - June 2003	Anatomic Pathology Residency Stanford University, Stanford, CA
July 2003 - June 2004	Surgical Pathology Fellowship Stanford University, Stanford, CA
July 2004 - June 2005	Soft Tissue Pathology Fellowship Emory University, Atlanta, GA
July 2005 - June 2006	Dermatopathology Fellowship Weill Cornell Medical Center/Memorial Sloan Kettering Cancer Center, New York, NY

Licensure: California: A78681
Florida: ME113121
Kansas: 04-40129
Nevada: 16799
New Mexico: MD2017-0621
Texas: R1498
Utah: 9750985-1205
New York (maintained, inactive)

Board Certification: Anatomic Pathology (2005)
Dermatopathology (2006, recertified, 2016)

Professional Experience:

July 2017 – Present	Vice-Chair for Anatomic Pathology, Cedars-Sinai Medical Center
2016 – Present	Co-Director, Surgical Pathology Instructorship Program, Cedars-Sinai Medical Center

2014 – June 2017	Director of Anatomic Pathology Operations, Cedars-Sinai Medical Center
2012 - 2014	Director of Surgical Pathology, Cedars-Sinai Medical Center
2014 - 2015	Program Director of Surgical Pathology Fellowship Program Training Cedars-Sinai Medical Center
2007 - Present	Director of Dermatopathology, Head and Neck, and Musculoskeletal Pathology, Cedars-Sinai Medical Center

Professional Activities:

Committee Services (CSMC):

2014 - 2016	Clinical Competency Committee
2017	Immunohistochemistry Committee meeting
2017	Intradepartmental Quality Assurance Committee meeting, quarterly
2017	Digital International Pathology Departmental Committee
2017	Quality Steering Committee

Professional Associations and Scholarly Societies:

United States and Canadian Academy of Pathology
International Society of Dermatopathology
American Society of Dermatopathology
Pacific Dermatologic Association
American Academy of Dermatology, Fellow
American Society of Clinical Pathologists
Int. Society of Bone and Soft Tissue Pathology
Musculoskeletal Tumor Society
International Society of Gynecologic Pathology
International Society of Urothology
South Bay Pathology Society

Consulting Activities:

Local consultant for bone soft tissue, skin and head and neck pathology

Editorial Services:

Reviewer for International Dermatology Journal

Honors and Special Awards:

1999	Blake-Wilbur Scholarship
1997	Pfeiffer Scholars Research Award
1996	Medical Scholars Research Award
1988	Department of Energy Fellow in Nuclear Chemistry

Lectures/Presentations:

2006	Short Course in Dermatopathology, Weill Cornell Medical College, New York Hospital
2006	<i>"Inflammatory Diseases of the Skin"</i> Weill Cornell Medical College
2008	<i>"Dermatopathology: An approach to panniculitides"</i> Los Angeles Society

2008	of Pathologists (LASOP) "A practical approach to spindle cell tumors of soft tissue" 2nd Annual Course in Anatomic and Clinical Pathology, Cedars-Sinai Medical Center
2009	Invited Speaker: "Merkel Cell Carcinoma" American Academy of Dermatology Annual Meeting (College of American Pathology checklist co-author)
March 2010	"Non-mycosis fungoides like dermal infiltrates" What's New in Pathology, Annual Course, Cedars-Sinai Medical Center
March 2012	"Sarcomas of the Thoracic Cavity" What's New in Pathology, Annual Course, Cedars-Sinai Medical Center

Teaching Activities:

1997	Teaching assistant for Respiratory, Renal, and Gastrointestinal Physiology, SUMC
1997	Teaching assistant Preparation for Clinical Medicine, Department of Medicine, SUMC
1998	Teaching assistant, course syllabus author for Medical Microbiology, SUMC
1998	Teaching assistant, Procedures in Emergency Medicine, Department of Surgery, SUMC
2013 – Present	Weekly Sarcoma Tumor Board, Cedars-Sinai Medical Center
2014 – 2015	Program Director, Surgical Pathology Fellowship Program, Cedars-Sinai Medical Center
2016 – Present	Co-Director, Surgical Pathology Instructorship Program, Cedars-Sinai Medical Center

BIBLIOGRAPHY/PUBLICATIONS:

A. RESEARCH PAPERS - PEER REVIEWED

1. **Balzer BL**, Cazanoue M, Finn MG. Intramolecular Benzannulation Chemistry of Manganese Carbene Complexes. J. Am. Chem. Soc. 1992, 114, 8735-36.
2. **Balzer BL**, Cazanoue M, Sabat M, Finn MG. The First Benzannulation Chemistry of Manganese Carbene Complexes. Organometallics 1992, 11, 1759-63.
3. Nathan LC, **Balzer BL**, Larsen SK, Casalnuovo AL. Synthesis of the Schiffs Base 3,10-Di[2-(2-pyridinyl)ethyl]-4,9-dimethyl-5,8-diazadodeca-4,8-diene-2,11-dione and Its Complexes with Nickel(II) Perchlorate and Nitrate. Microchemical Journal 1993, 47, 48.
4. Cohen JB, **Balzer BL**, Wapnir I, McDougall R. Elephantiasic pretibial myxedema. Thyroid. Mar 2004, Vol. 14, No. 3: 237-238.
5. **Balzer BL**, Longacre TA. Aggressive angiomyxoma of the female genital tract. Pathology Case Reviews. 2005; 10:46-54.
6. Folpe AL, **Balzer BL**, Weiss SW. Perivascular Epithelioid Cell Neoplasms of soft tissue and gynecologic origin: A clinicopathologic study of 26 cases. Am J. Surg Pathol. 2005;29(12):1558-75.

7. Hamilton CA, **Balzer BL**, Chan JC. The effect of adjuvant chemotherapy versus whole abdominopelvic radiation on the survival of patients with advanced stage uterine papillary serous carcinoma. *Gynecol Oncol*. 2006 Nov;103(2):679-83.
8. McKenney J, **Balzer BL**, Longacre TA. Lymph Node Involvement in Ovarian Serous Tumors of Low Malignant Potential (Borderline Tumors): Pathology, Prognosis, and Proposed Classification. *Am J. Surg Pathol* 2006;30:612-24.
9. **Balzer BL**, Ulbright TM. Spontaneous regression of testicular germ cell tumors: A clinicopathologic analysis of 42 cases. USCAP platform presentation 2004. *Am J. Surg Pathol* 2006;30:858-65.
10. Amin MB, **Balzer BL**, Folpe, AL. Alveolar Soft Part Sarcoma of the urinary bladder with urethral recurrence: A unique case with emphasis on differential diagnoses and diagnostic utility of an immunohistochemical panel including TFE3. *Am J. Surg Pathol* 2006;30:1322-5.
11. McKenney JK, **Balzer BL**, Longacre TA. Patterns of stromal invasion on ovarian serous tumors of low malignant potential (borderline tumors): a reevaluation of the concept of stromal microinvasion. *Am J. Surg Pathol* 2006;30:1209-21.
12. Schmack I, et. al. **Balzer BL**, Grossnicklaus H. Subconjunctival herniated orbital fat: A benign adipocytic lesion, often mistaken for pleomorphic lipoma and atypical lipomatous tumor. *Am J. Surg Pathol*. 2007;31:193-8.
13. Kong C, **Balzer BL**, Longacre TA. p16INK4A Immunohistochemistry is Superior to HPV In Situ Hybridization for the Detection of High-Risk HPV in Cervical Dysplasia and Atypical Squamous Metaplasia. *Am J. Surg Pathol* 2007;27:33-43.
14. Zalom M, Lill M, Lukic D, **Balzer BL**, Lim S. Autologous graft-versus-host disease after denileukin diftitox and autologous stem cell transplantation for refractory T-cell lymphoma. *Leuk Lymphoma*. 2009 Jan;50(1):124-6.
15. Gupta R, **Balzer BL**, Picken M, Osunkoya AO, Shet T, Alsabeh R, Luthringer D, Paner GP, Amin MB. Diagnostic implications of transcription factor Pax 2 protein and transmembrane enzyme complex carbonic anhydrase IX immunoreactivity in adult renal epithelial neoplasms. *Am J Surg Pathol* 2009 Feb;33(2):241-7.
16. Mac M, Chung F, Lin F, Hui P, **Balzer BL**, Wang H. Expression of Hepatocyte Antigen in Small Intestinal Epithelium and Adenocarcinoma. *American Journal of Clinical Pathology* 2009;85:132-80.
17. Rao P, Balzer, BL, ...Frishberg D. Protocol of the Examination of Specimens from Patients with Malignant Melanoma of the Skin. College of American Pathologists Checklist for Malignant Melanoma. *Archives of Pathology and Laboratory Medicine*, 2009;133:1560-7.
18. **Balzer BL**, Weiss SW. Do biomaterials cause implant-associated mesenchymal tumors of the breast? Analysis of 8 new cases and review of the literature. *Human Pathology* Nov;40(11):1564-70). 2009, [epub ahead of print].
19. Marchevsky AM, Gupta R, **Balzer BL**. Diagnosis of metastatic neoplasms: a clinicopathologic and morphologic approach. *Arch Pathol Lab Med*. 2010 Feb;134(2):194-206. Review.
20. Ishimitsu DN, Saouaf R, Kallman C, **Balzer BL**. Best cases from the AFIP: renal hydatid disease. *Radiographics*. 2010 Mar-Apr;30(2):334-7.
21. Rao P, **Balzer BL**, Lemos BD, Liegeois NJ, McNiff JM, Nghiem P, Prieto VG, Smith MT, Smoller BR, Wick MR, Frishberg DP. Protocol for the examination of specimens from patients with merkel cell carcinoma of the skin. *Arch Pathol Lab Med*. 2010; 341-4.
22. Fan L, Mac MT, Frishberg DP, Fan X, Dhall D, **Balzer BL**, Geller SA, Wang HL. Interobserver and intraobserver variability in evaluating vascular invasion in hepatocellular carcinoma. *J Gastroenterol Hepatol*. 2010 Sep;25(9):1556-61..

23. Thway K, Nicholson AG, Lawson K, Gonzalez D, Rice A, **Balzer BL**, Swansbury J, Min T, Thompson L, Adu-Poku K, Campbell A, Fisher C. Primary pulmonary myxoid sarcoma with EWSR1-CREB1 fusion: a new tumor entity. *Am J Surg Pathol*. 2011 Nov;35(11):1722-32.
24. Raspollini MR, Franchi A, Rose AD, **Balzer BL**, Brown J, Amin MB. Necrotizing palisading granuloma of the bladder in an otherwise healthy young man. *Arch Pathol Lab Med*. 2012 Jun;136(6):679-80.
25. Yu R, Nissen NN, **Balzer BL**, Fan X. Novel syndrome of four-limb proximal fragility fractures associated with HIV infection, cholestatic liver failure, and histiocytic infiltration of bone marrow. *Hormones (Athens)*. 2012;11(2):203-6.
26. Malhotra K, Gulati U, Nakao A, Wu L, Nikoloff M, **Balzer BL**, Lawrence JH, Wu H. Comparison of DNA extraction methods from formalin-fixed, paraffin-embedded tissue and their impact on real-time PCR-based mutation assays. *Med Diagn Meth* 2012, 1:2
27. Aron M, Luthringer DJ, McKenney JK, Hansel DE, Westfall DE, Parakh R, Mohanty SK, **Balzer BL**, Amin MB. Utility of a triple antibody cocktail intraurothelial neoplasm-3 (IUN-3-CK20/CD44s/p53) and α -methylacyl-CoA racemase (AMACR) in the distinction of urothelial carcinoma in situ (CIS) and reactive urothelial atypia. *Am J Surg Pathol*. 2013 Dec;37(12):1815-23
28. Chan OT, Chiles L, Levy M, Zhai J, Yerian LM, Xu H, **Balzer BL**, et al. Smoothelin Expression in the Gastrointestinal Tract: Implication in Colonic Inertia. *Appl Immunohistochem Mol Morphol*. 2013 Oct;21(5):452-9
29. Penner KR, Dorigo O, Aoyama C, Ostrzega N, **Balzer BL**, Rao J, et al. Predictors of resolution of complex atypical hyperplasia or grade 1 endometrial adenocarcinoma in premenopausal women treated with progestin therapy. *Gynecol Oncol*. 2012;124(3):542-8.
30. Singh K, Moore S, Sandoval M, **Balzer BL**, Frishberg D, Lewin S, Schreck R, Raffel L. Am J. Dermatopathol. Congenital Malignant Melanoma, A Case Report with Cytogenetic Studies. *Am J Dermatopathol*. 2013 Dec;35(8):e135-8.
31. Mills A, Ly A, **Balzer BL**, Hendrickson M, Kempson R, McKenney J, Longacre T. Cell Cycle Regulatory Markers in Uterine Atypical Leiomyoma and Leiomyosarcoma: Immunohistochemical Study of 68 Cases With Clinical Follow-up. *Am J Surg Pathol*. 2013;37(5):634-42.
32. O'rourke EA, **Balzer BL**, Barry CI, Frishberg DP. Nevic Mitoses: A Review of 1041 Cases. *Am J Dermatopathol*. 2013;35(1):30-3.
33. Ly, Amy, Mills A, McKenney J, **Balzer BL**, Kempson R, Hendrickson M, Longacre T. Atypical Leiomyomas Of The Uterus: A Clinicopathologic Study Of 51 Cases. *Am J Surg Pathol* . 2013;37(5):643-9.
34. Felder SI, Larson B, **Balzer B**, Wachsmann A, Haker K, Fleshner P, Annamalai A, Margulies DR. Fulminant clostridium difficile colitis: comparing computed tomography with histopathology: are they concordant? *Am Surg*. 2014 Oct;80(10):1064-8.
35. Hussein YR, Weigelt B, Levine DA, Schoolmeester JK, Dao LN, **Balzer BL**, Liles G, Karlan B, Köbel M, Lee CH, Soslow RA. Clinicopathological analysis of endometrial carcinomas harboring somatic POLE exonuclease domain mutations. *Mod Pathol*. 2015 Apr;28(4):505-14. doi: 10.1038/modpathol.2014.143. Epub 2014 Nov 14.
36. Gertych A, Mohan S, Maclary S, Mohanty S, Wawrowsky K, Mirocha J, **Balzer B**, Knudsen BS. Effects of tissue decalcification on the quantification of breast cancer biomarkers by digital image analysis. *Diagn Pathol*. 2014 Nov 25;9:213
37. Smith SC, Buehler D, Choi EY, McHugh JB, Rubin BP, Billings SD, **Balzer B**, Thomas DG, Lucas DR, Goldblum JR, Patel RM. CIC-DUX sarcomas demonstrate frequent MYC amplification and ETS-family transcription factor expression. *Mod Pathol*. 2015 Jan;28(1):57-68. Epub 2014 Jun 20.

38. Larson BK, **Balzer B**, Goldwasser J, Dhall D. Calcifying fibrous tumor: an unrecognized IgG4--related disease? *APMIS*. 2015 Jan;123(1):72-6. Epub 2014 Sep 22.
39. Mertens RB, de Peralta-Venturina MN, **Balzer BL**, Frishberg DP. GATA3 Expression in Normal Skin and in benign and Malignant Epidermal and Cutaneous Adnexal Neoplasms. *Am J Dermatopathol*. 2015 Dec;37(12):885-91.
40. Maclary SC, Mohanty SK, Bose S, Chung F, **Balzer BL**. Effect of Hydrochloric Acid Decalcification on Expression Pattern of Prognostic Markers in Invasive Breast Carcinomas. *Appl Immunohistochem Mol Morphol*. 2016 Mar 29. [Epub ahead of print]
41. Sirohi D, Smith SC, Epstein JI, **Balzer BL**, Simko JP, Balitzer D, Benhamida J, Kryvenko ON, Gupta NS, Paluru S, da Cunha IW, Leal DN, Williamson SR, de Peralta-Venturina M, Amin MB. Pericytic tumors of the kidney-a clinicopathologic analysis of 17 cases. *Human Pathology*. 2017 Jun;64:106-117. doi: 10.1016/j.humpath.2017.04.005. Epub 2017 Apr
42. Smith SC, Gooding WE, Elkins M, Patel RM, Harms PW, McDaniel AS, Palanisamy N, Uram-Tuculescu C, **Balzer BB**, Lucas DR, Seethala RR, McHugh JB. Solitary Fibrous Tumors of the Head and Neck: A Multi-Institutional Clinicopathologic Study. *Am J Surg Pathol*. 2017 Dec;41(12):1642-1656.
43. Smith SC, Gooding WE, Elkins M, Patel RM, MD, Harms PW, McDaniel A, Palanisamy N, Uram-Tuculescu C, **Balzer B**, Lucas DR, Seethala RR, McHugh J. Solitary Fibrous Tumors of the Head and Neck: A Multi-Institutional Clinicopathologic Study (Accepted AJSP)
44. Mohanty S., Pradhan D., **Balzer B**. Title: Microphthalmia-associated transcription factor (MITF): Promiscuous staining patterns in fibrohistiocytic lesions is a potential pitfall. *Pathology - Research and Practice Ref: PRP_2018_152*

B. RESEARCH PAPERS - PEER REVIEWED (Accepted)

1. Siref A., Hendifar A., **Balzer B**. Primary Visceral Merkel Cell Carcinoma: A Case Report and Review of the Literature. *American Journal of Dermatopathology*.
2. Malignant Tenosynovial Giant Cell Tumor: The True 'Synovial Sarcoma'? A Clinicopathologic, Immunohistochemical and Molecular Cytogenetic Study of 10 Cases, Supporting Origin from Synoviocytes" by authors: Alyaa Al-Ibraheemi, William Ahrens, Karen Fritchie, Jie Dong Andre Oliveira, Bonnie Balzer, Andrew Folpe

C. CHAPTERS

1. **Balzer B**. Chapter 7: Evaluated oncopathologic studies, The need to evaluate the internal and external validity of results. 1st ed. By Alberto Marchevsky and Mark Wick. New York: Springer, July 1, 2011. 121-38, 173-185
2. **Balzer B**. Chapter 10: Decision analysis and decision support systems in anatomic pathology. Evidence Based Pathology and Laboratory Medicine. 1st ed. By Alberto Marchevsky and Mark Wick. New York: Springer, July 1, 2011. 121-38, 173-185.
3. **Balzer B**, Wick M, Parson, S: Mesenchymal tumors of the mediastinum. Chapter 13. In: *Pathology of the Mediastinum*. Cambridge University Press, New York, NY, 2014; page 266.
4. **Balzer B**. Chapter 14: Primary carcinomas of the pleura and peritoneum. *Practical Pathology of Serous Membranes* edited by Drs Marchevsky, Husain and Galateau-Salle, 2018, p 190.

D. CHAPTERS (In press):

1. **Balzer B**. Larian, Chapter 2: Histologic features of pleomorphic adenoma, in press.

E. ABSTRACTS

1. **Balzer BL**, Finn MG. Synthesis of the Antiviral Compound Thysanone via Intramolecular Benzannulation of Chromium Siloxycarbene Complexes. Meeting of the American Chemical Society, Division of Organic Chemistry, Washington D.C. August 1994
2. **Balzer BL**, Kobilka BK, Lin S. The Role of the Third Intracellular Loop of the beta-2 Adrenergic Receptor During Signal Transduction. "International Meeting of the Congress of Biochemistry and Molecular Biology," San Francisco, CA. August 1997
3. **Balzer BL**, Schaner M, Ross D, Montgomery K, Teng N, Sikic B, Longacre T. Protein Expression Study of Ovarian Surface Epithelial Neoplasms Using Tissue Microarray Analysis: Emergence of a Clear Cell Signature Profile. USCAP Poster Presentation 2003.
4. **Balzer BL**, Hendrickson MR. Extrauterine Müllerian Adenosarcomas: A Clinicopathologic Analysis of 32 Cases. USCAP Poster Presentation 2003.
5. Kong C, **Balzer BL**, Longacre TA. p16INK4A Immunohistochemistry is Superior to HPV In Situ Hybridization for the Detection of High-Risk HPV in Cervical Dysplasia and Atypical Squamous Metaplasia. USCAP Platform Presentation 2004.
6. **Balzer BL**, Ulbright TM. Spontaneous regression of testicular germ cell tumors: A clinicopathologic analysis of 42 cases. USCAP platform presentation 2004.
7. **Balzer BL**, Weiss SW. Implant associated mesenchymal tumors of the breast. A clinicopathologic analysis of 7 cases. USCAP presentation 2005.
8. **Balzer BL**, Gupta R, Rao P, Paner GP, Amin M, McKenney JK, Lazar AJ, MB Amin. Dedifferentiated Liposarcoma (De-Diff LPS) Presenting as a Primary Renal Mass Resulting in a Nephrectomy: A Report of 8 Cases with Discussion of Differential Diagnostic Implications. Poster presentation USCAP, March 2009
9. B Balzer, R Gupta, AJ Lazar, P Rao, MB Amin Pseudoliposarcomatous Changes in the Perinephric Adipose Tissue of Nephrectomy Specimens Mimicking Well Differentiated. USCAP, March 2009
10. L Chiles, M Levy, **Balzer BL**, H Xu, SY Xiao, J Zhai, E Soffer, J Conklin, D. Characterization of Expression of a Novel Smooth Muscle Contractile Protein Smoothelin in Gastrointestinal Tract: Implication in the Pathogenesis of Colonic Inertia. Poster presentation USCAP, March 2009
11. MT Mac, F Chung, **Balzer BL**, HL Wang. High Frequency of Epidermal Growth Factor Receptor Expression in Pancreaticobiliary Adenocarcinomas. Poster presentation USCAP, March 2008
12. MT Mac, DP Frishberg, D Dhall, X Fan, **Balzer BL**, J Lennerz, HL Wang Interobserver Variability in Evaluating Vascular Invasion in Hepatocellular Carcinoma. Poster presentation USCAP, March 2008
13. MT Mac, F Chung, F Lin, P Hui, **Balzer BL**, HL Wang Hep Par 1 Expression in Small Intestinal and Colorectal Epithelium and Adenocarcinomas. Poster presentation USCAP March 2008.
14. **Balzer BL**, F Chung, MB Amin, R Alsabeh, S Bose WT1 Is Superior to PAX 2 for Immunohistochemical Detection of Ovarian Serous Papillary Carcinoma in Peritoneal Fluids. Poster presentation USCAP, March 2008.
15. CR Ramirez, DJ Luthringer, S Wang, **Balzer BL**, MB Amin. Clinical Significance of Atypical Small Acinar Proliferation with and without High Grade Prostatic Intraepithelial Neoplasia. A Large Single Institution's Contemporary Experience of 3200 Consecutive Prostate Biopsies Reviewed by a Urologic Pathology Team. Platform presentation USCAP, March 2008.
16. **Balzer BL**, F Chung, MB Amin, R Alsabeh, S Bose WT1 Is Superior to PAX 2 for Immunohistochemical Detection of Ovarian Serous Papillary Carcinoma in Peritoneal Fluids. Poster presentation USCAP, March 2008
17. Sandoval, M, Moore S, Schreck R, Frishberg D, **Balzer BL**. #208, "Congenital malignant melanoma: a case report with genetic studies. Poster presentation: 46th Annual Meeting of The American Society of Dermatopathology, October 2009.

18. Sandoval, M, Moore S, Schreck R, Frishberg D, **Balzer BL**. #267, Acquired perforating dermatosis in a renal transplant recipient with chronic hepatitis C infection. Poster presentation: 46th Annual Meeting of The American Society of Dermatopathology, October 2009.
19. Rawson R, Westfall DE, Amin MB, Parakh, RS, **Balzer BL**. Immunohistochemical (IHC) Study of Wilms' Tumor Gene 1 In Angiomyolipoma (AML) of the Kidney: Dual Role in Tumorigenesis? Poster Session V USCAP, March 2010
20. Parakh RS, Venturina M, **Balzer BL**, Gown AM, Westfall DE, Vankalakunti M, Amin, M. Sensitivity and Specificity of Novel and Contemporarily Used Immunohistochemical (IHC) Markers in the Histological Typing of Germ Cell Tumors of the Testis: Implications for Creating a Best Practices Panel Approach. Poster Session II USCAP, March 2010
21. Loghavi S, Sandoval M, **Balzer BL**. Immunoreactivity of Smoothelin in Skin and Superficial Soft Tissue Tumors and Reactive Proliferations. USCAP Poster Session, March 2010
22. Mills AM, Ly A, **Balzer BL**, Hendrickson MR, Kempson RL, McKenney J, Longacre TA Cell Cycle Regulatory Markers in Uterine Atypical Leiomyoma, Cellular Leiomyoma, STUMP, and Leiomyosarcoma: Immunohistochemical Study of 74 Cases with Clinical Follow-up. Platform Session USCAP, March 2010
23. Venturina MP, Parakh RS, **Balzer BL**, Gown AM, Westfall DE, Goldstein LC, Amin MB. Differential Immunohistochemical (IHC) staining in Unusual and Morphologically Non-Classic Patterns of Testicular Germ Cell Tumors: Analysis with Traditional and Contemporary Markers. Poster Session II USCAP, March 2010
24. Aoyama C, Penner K, Ostrzega N, Rao J, Walsh C, Dorigo O, Cass I, **Balzer BL**, Holschneider C. Factors Predicting Response to Progestin Treatment for Complex Atypical Hyperplasia/Well Differentiated Endometrial Carcinoma in Premenopausal Patients. Poster Session, USCAP, March 2011
25. Faustin A, Annaiah C, Dhall D, **Balzer BL**. Comparison of an Expanded Immunohistochemical Panel To Distinguish High Grade Non-Merkel Cell Neuroendocrine Carcinomas from Merkel Cell Carcinoma. Poster Session. USCAP, March 2011
26. Annaiah C, **Balzer BL**, Parakh RS, Herrera LP, Arora K, Luthringer DJ, Amin MB. Atypical Prostatic Ductal Lesions (APDL) Presenting as Small Prostatic Urethral Polyps: A Clinicopathologic Study of 7 Cases and Documentation of a Unique form of Prostatic Ductal Neoplasia Warranting Active Surveillance. Poster Session. USCAP, March 2011.
27. Aron M, Gown AM, **Balzer BL**, McKenney J, Hansel DE, Westfall DE, Parakh R, Vankalakunti M, Mohanty SK, Amin MB. Expression of β -Methylacyl-CoA Racemase (AMACR) in Urothelial Carcinoma In Situ (CIS): Comparative Utility with More Traditional Markers (CK20,CD44s,p53) in the Distinction of Urothelial CIS and Reactive Urothelial Atypia. Poster Session. USCAP, March 2012.
28. Aron M, Gown AM, **Balzer BL**, Amin M, Shen S, Hansel DE, Tamboli P, Paner G, Luthringer DJ, Mohanty SK, Herrera LP, Amin MB. Comparative Utility of Novel Nuclear Markers Steroidogenic Factor (SF-1) and Forkhead Box L2 (FOXL2) in the Diagnosis of Sex Cord Stromal Tumors (SCST) of the Testis. Poster Session. USCAP, March 2012.
29. Maclary S, Kalaria S, Gertych A, Chung F, Knudsen B, Bose S, **Balzer BL**. Utilizing Image Analysis in the Assessment of Decalcification Effects on Prognostic Breast Markers. Poster Session. USCAP, March 2013.
30. Chang EE, Luthringer DJ, Venturina M, **Balzer BL**, Wang S, Wu JM, Amin MB. Detailed Histologic Evaluation of Renal Cell Carcinoma (RCC) Subtypes in 138 Metastatic Tumors with Emphasis on Homology with Primary Site. Poster Session. USCAP, March 2013.

31. Farahani N, Frishberg DP, **Balzer BL**, Catherine B, Wu JM. Microphthalmia-Associated Transcription Factor (MITF) Promiscuity: Staining Patterns in Fibrohistiocytic Lesions. Poster Session. USCAP, March 2013.
32. Liles G, Scharre K, **Balzer BL**, Barbuto D, Silva E. Morphologic correlates of Human Papilloma Virus (HPV) infection in low grade squamous lesions of the female external genital tract. Mod Path; 27:293A, 2014. Poster presentation. USCAP, March 2014.
33. Bhele S, Zhaoxuan M, Mohanty S, Salman S, Amin MB, **Balzer BL**, Knudsen BS, Gertych A. A machine learning tool to complement Gleason grading of prostate carcinoma. presented at the U.S. and Canadian Academy of Pathology meeting, San Diego, CA, March 2014. Mod Path; 27:217A, 2014. Poster presentation. USCAP, March 2014.
34. Lugo H, Mcfall M, Liles G, Mohanty S, Chung F, Yuan X, Amin MB, **Balzer BL**, Dhall D. Diagnostic utility of SATB2 in determining the site of origin of well differentiated neuroendocrine tumors. Mod Path; 27:155A, 2014. Poster presentation. USCAP, March 2014.
35. McFall M, Mohanty S, Liles G, Lugo H, Chung F, Knudsen B, Yuan X, Amin MB, Dhall D, **Balzer BL**. Diagnostic Utility of an expanded panel of novel and well established immunohistochemical (IHC) markers to differentiate Merkel Cell carcinoma from high grade non-Merkel cell neuroendocrine carcinomas. Mod Path; 27:137A, 2014. Poster presentation. USCAP, March 2014.
36. McFall M, Mohanty S, Conley A, Bhele S, Yuan X, Amin MB, Knudsen B, Dhall D, **Balzer BL**. Integration between immunohistochemistry (IHC) and mRNA expression patterns reveals novel biomarkers for Merkel Cell carcinoma. Mod Path; 27:137A, 2014. Proffered paper presentation. USCAP, March 2014.
37. Hussein Y, Weigelt B, Levine D, Schoolmeester J, Dao L, **Balzer BL**, Liles G, Karlan B, Soslow R. Clinicopathologic Analysis of Endometrial Carcinomas with POLE Hotspot Mutation. Mod Path; 27:287A, 2014. Proffered paper presentation. USCAP, March 2014.
38. Lugo H, Liles G, Smith SC, McFall M, Mohanty SK, Amin MB, Kahn M, **Balzer BL**. Diagnostic of BCL-2, CD44, and CD117 in distinction of well differentiated neuroendocrine tumors (WD) and high grade neuroendocrine carcinomas (HG). Mod Path; 27:153A, 2014. Poster presentation. USCAP, March 2014.
39. Sirohi D, Epstein JI, **Balzer BL**, Kryvenko ON, Paluru S, De Peralta-Venturina M, Amin MB. Clinico-Pathologic Analysis of 12 Cases of Primary Renal Glomus Family of Tumors. Poster presentation. USCAP, March 2016.
40. Siref AB, Patel V, Reith J, **Balzer B**, Shon W: Evaluation of p16 protein expression and CDKN2A deletion in conventional and fibrosarcomatous dermatofibrosarcoma protuberans. USCAP, March 2017.
41. George E, **Balzer BL**, Frishberg DP, Lu X, Shon W. PD-L1 and c-MYC status in Merkel cell carcinoma: an immunohistochemical and mRNA chromogenic *in situ* hybridization study. USCAP, March 2017.
42. Frye J, Aijaz N, **Balzer BL**, Frishberg DP, Shon W. SATB2 expression in Merkel cell carcinomas: an immunohistochemical study of 165 cutaneous neoplasms. USCAP March 2017.
43. Shon W, Siref A, Monroe R, Essner R, Frishberg D, **Balzer B**. MCPyV mRNA in situ Hybridization: Validation Against CM2B4 Immunohistochemistry. Poster Presentation. United States & Canadian Academy of Pathology's 107th Annual Meeting in Vancouver, British Columbia, Canada, March 17-23, 2018.
44. Khan MS, **Balzer B**, Chung F, Dadmanesh F. Comparison of β -Adrenergic Receptor Expression in De novo and Radiation-Associated Breast Angiosarcoma. Poster Presentation. United States & Canadian Academy of Pathology's 107th Annual Meeting in Vancouver, British Columbia, Canada, March 17-23, 2018.

45. Frye JS, Shon W, Patel V, Reith JD, Brien EW, **Balzer B**. H3F3 K36M Immunohistochemistry is a Useful Diagnostic Marker for Chondroblastoma in Small Biopsy Specimens. Platform Presentation. United States & Canadian Academy of Pathology's 107th Annual Meeting in Vancouver, British Columbia, Canada, March 17-23, 2018
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