

**CURRICULUM VITAE**  
**Uma Krishnamurti, MBBS, MD, PhD**

**Version date: 04/19/2022**

**Name:** Uma Krishnamurti, MBBS, MD, PhD

**Position:** Associate Professor, Department of Pathology

**School:** Yale School of Medicine

**Education:**

08/1980-12/1984	MBBS (Bachelor of Medicine and Bachelor of Surgery), Lady Hardinge Medical College, University of Delhi, India
08/1988-07/1990	MD, Pathology, Lady Hardinge Medical College, University of Delhi, India
09/1993-04/1999	MD, Pathobiology, University of Minnesota, Minneapolis, MN

**Career/Academic Appointments:**

01/1985-12/1985	Intern, Lady Hardinge Medical College, New Delhi, India
01/1986-12/1986	Resident, Pediatrics and Pathology, Lady Hardinge Medical College, New Delhi, India
09/1991-06/1993	Senior resident, Department of Pathology, Lady Hardinge Medical College, New Delhi, India
04/1999-08/2001	Resident, Anatomic and Clinical Pathology, Department University of Minnesota Hospital and Clinic, Minneapolis, MN
09/2001-04/2003	Resident, Anatomic and Clinical Pathology University of Pittsburgh Medical Center, Pittsburgh, PA
07/2003-06/2004	Fellow, Cytopathology, University of Pittsburgh Medical Center, Pittsburgh, PA
08/2005-05/2011	Assistant Professor, Department of Pathology, Temple University, Pittsburgh, PA
06/2011-09/2014	Associate Professor, Department of Pathology, Temple University, Pittsburgh, PA
04/2012-09/2014	Associate Director, Pathology Residency Program, Allegheny General Hospital
11/2014-08/2017	Assistant Professor, Department of Pathology, Emory University, Atlanta, GA
09/2017-09/2021	Associate Professor, Department of Pathology, Emory University, Atlanta, GA

**Administrative Positions:**

2006-2014	Director, Cytology, West Penn Hospital, Temple University, Pittsburgh, PA
2011-2014	Director, Cytology, Allegheny General Hospital, Temple University, Pittsburgh, PA
2015-present	Director, Surgical Pathology, Grady Memorial Hospital, Emory University, Atlanta, GA
2015-09/2021	Principal Investigator/Director, Breast Satellite Tissue Bank, Winship Cancer Institute, Emory University, Atlanta, GA
10/2021-5/31/22	Associate Director, Breast pathology, Yale University, New Haven, CT
06/01/22-present	Director, Breast pathology, Yale University, New Haven, CT

**Board Certification:**

2003	American Board of Pathology, Certification in Anatomic and Clinical Pathology
2004	American Board of Pathology, Certification in Cytopathology

**Professional Honors & Recognition:**

***International/National/Regional***

1996-1999	Young investigators grant award, National Kidney Foundation of Upper Midwest, Minneapolis, MN
1997	Rozica and Siffra Yussim award for outstanding basic science research in Diabetes Mellitus, Minnesota Medical Foundation, Minneapolis, MN
1998	Louis Dosdall Fellowship for women outstanding in science, University of Minnesota Graduate School, Minneapolis, MN
2017	Brave Heart Award, Glenn Family Breast Center, Emory University, Atlanta, GA
2019	Golden Apple teaching award for resident education, Anatomic Pathology, Emory University, Atlanta, GA
2021	Emory School of Medicine Doctors' Day Recognition, Atlanta, GA

**Grant/Clinical Trials History:**

***Past Grants***

Agency:	National Kidney Foundation of Upper Midwest
Title:	Pathology of Diabetic nephropathy
PI:	Uma Krishnamurti, MD
Percent effort:	100%

Total costs: \$27,000 (includes indirect)  
Project period: 04/01/1996-03/31/1999

Agency: Vikings Foundation  
Title: Interaction of glomerular epithelial cells with extracellular matrix in diabetes mellitus  
PI: Uma Krishnamurti, MD  
Role on Project: Principal investigator  
Percent effort: 100%  
Total costs: \$10,000 (includes indirect)  
Project period: 04/01/1998 – 03/31/1999

Agency: AVON Foundation  
ID# 01-2016-087  
Title: BMI and its influence on methylation patterns in African American breast cancer patients  
PI: Dr. Sheryl Gabram-Mendola, Department of Surgery, Emory University, Atlanta, GA  
Role on Project: Co-investigator  
Percent effort: 1%  
Total costs: \$750,000 (includes indirect)  
Project period: 01/01/2017-12/31/2017

Agency: Winship Cancer Institute, Emory University  
ID# 00067187  
Title: Obesity and breast tumor methylation: a potential contributor to disparate outcomes  
PI: Dr. Lauren McCullough, Department of Epidemiology, Rollins School of Public Health, Emory University, Atlanta, GA  
Role on Project: Co-investigator  
Percent effort: 5%  
Total costs: \$45,000 (includes indirect)  
Project period: 04/01/2017-09/30/2018

Agency: V Foundation  
ID# V2017-005  
Title: Breast adipose inflammation: epidemiology and outcomes in Black and White women diagnosed with breast cancer  
PI: Dr. Lauren McCullough, Department of Epidemiology, Rollins School of Public Health, Emory University, Atlanta, GA  
Role on Project: Co-investigator  
Percent effort: 5%  
Total costs: \$200,000 (includes indirect)  
Project period: 11/01/2017-10/31/2018

Agency: NIH-NCI  
ID# R01 CA239120-01  
Title: HSET as a racial disparity biomarker for TNBC patients

PI: Dr. Ritu Aneja, Professor of Biology, Georgia State University, Atlanta, GA  
Role on Project: Co-investigator  
Percent effort: 5%  
Total costs: \$246,000 (includes indirect)  
Project period: 03/01/2019-02/28/2021

Agency: Department of Pathology, Emory University  
Title: PD-L1 expression in squamous cell carcinomas of the lower anogenital tract  
PI: Dr. Uma Krishnamurti  
Percent effort: 100%  
Total costs: \$28,000 (direct)  
Project period: 05/01/2019-12/31/2020

Agency: Department of Pathology, Emory University  
Title: Progression risk of Anal low grade squamous intraepithelial lesion (LSIL/AIN 1)  
PI: Dr. Marina Mosunjac  
Role: Co- investigator  
Percent effort: 100%  
Total costs: \$10,000 (direct)  
Project period: 05/01/2019-12/31/2020

Agency: Winship Cancer Institute, Emory University  
Title: Evaluating FOXP3 and CD8 lymphocytes in Anal squamous cell carcinoma and correlating with PD-L1 expression  
PI: Dr. Uma Krishnamurti  
Percent effort: 100%  
Total costs: \$3,500 (direct)  
Project period: 07/01/2020-06/30/2021

### **Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated with Yale:**

#### ***International/National***

1. “Cherry picking the abnormal: Microdissection based profiling of serous borderline ovarian tumors,” Department of Pathology, Virginia Commonwealth University, 2004
2. Chromosome 17 polysomy in invasive breast carcinoma: what does it imply? Department of Pathology, George Washington University, 2008
3. Current practices in non-gynecological fine needle aspiration cytology, e-Journal Webinar, American Society of Cytopathology, 2015
4. Predictive markers in breast cancer and unknown cases in breast pathology, Association of Pathologists of North America- Indian College of Pathologists, International CME conference, 2016
5. Fine-needle aspiration of small pulmonary nodules yields material for reliable molecular analysis of adenocarcinomas, eJournal Webinar, American Society of Cytopathology, 2016
6. Understanding HER2 in breast cancer, Tuskegee University, Alabama, 2016
7. Comprehensive review of anal cytology with cyto-histologic correlation and clinical management” Microscopic workshop, 64<sup>th</sup> Annual Scientific Meeting, American Society of Cytopathology, 2016

8. Diagnosis of Breast Lesions by Cytology and Diagnostic Challenges, Webinar, American Society of Cytopathology, 2017
9. Handling of post neoadjuvant therapy treated breast cancer cases(specimen examination and reporting), Nottingham Breast Pathology Masterclass, University of Nottingham, Nottingham, United Kingdom, 2017
10. An update on tumor heterogeneity, tumor-infiltrating lymphocytes (TILs) and dealing with sentinel nodes in breast cancer: what reporting pathologists need to know, Nottingham Breast Pathology Masterclass, University of Nottingham, Nottingham, United Kingdom, 2017
11. Cervical Squamous and Glandular Lesions: Ancillary Tests, Cytohistologic Discrepancies, and Practical Points on Reporting, Non-Microscopic workshop, 65<sup>th</sup> Annual Scientific Meeting, American Society of Cytopathology, 2017
12. Comprehensive review of anal cytology with cyto-histologic correlation and clinical management, Microscopic workshop, 66<sup>th</sup> Annual Scientific Meeting, American Society of Cytopathology, 2018
13. Cervical Squamous and Glandular Lesions: Ancillary Tests, Cytohistologic Discrepancies, and Practical Points on Reporting, Non-Microscopic workshop, 66<sup>th</sup> Annual Scientific Meeting, American Society of Cytopathology, 2018
14. It's not all about Pap smear: FNA and exfoliative cytology in Gynecologic entities, Video microscopy, 66<sup>th</sup> Annual Scientific Meeting, American Society of Cytopathology, 2018
15. Handling post neoadjuvant treated breast resections. Symposium on Breast cancer, Run for Cure Africa Breast Cancer Foundation (RCFA), National Sickle Cell Centre, Lagos, Nigeria, 2019
16. Practical approach to new guidelines and advances in daily sign-out of breast pathology, Annual meeting, American Society of Clinical Pathology, 2019
17. Comprehensive review of anal cytology with cyto-histologic correlation and clinical management" Round-table discussion, 67<sup>th</sup> Annual Scientific Meeting, American Society of Cytopathology, 2019
18. A Road map Towards the Perfect Reporting of Post-neoadjuvant Therapy Resections, Annual Meeting, College of American Pathologists, 2021
19. The Money is in the LAST: Diagnosis and Management of Human Papillomavirus Infection associated lesions, Annual Meeting, College of American Pathologists, 2021
20. A Road map Towards the Perfect Reporting of Post-neoadjuvant Therapy Resections, Annual Meeting, College of American Pathologists, 2022
21. The Money is in the LAST: Diagnosis and Management of Human Papillomavirus Infection associated lesions, Annual Meeting, College of American Pathologists, 2022

### ***Regional***

1. Interactions between glomerular epithelial cells and the extracellular matrix: Symposium on Diabetes Mellitus, National Kidney Foundation of the Upper Midwest, Minneapolis, MN, 1997
2. Challenging cytology cases, Grand rounds, University of Pittsburgh, Pittsburgh, PA, 2004
3. HER2 in breast cancer, Grand rounds, Allegheny General Hospital, Drexel University, Pittsburgh, PA, 2011
4. HER2 in breast cancer, Graduate seminar lecture series, Georgia State University, Atlanta, GA, 2015
5. Pre-neoplastic lesions in the breast, New Horizon Breast Molecular Pathology workshop, Georgia State University, Atlanta, GA, 2016
6. New Importance of Histology and Genetics for Personalized Medicine in Lung, 2016
7. Cancer, Grand rounds, Morehouse School of Medicine, Atlanta, GA
8. Predictive markers in breast cancer. Graduate seminar lectureseries. Georgia State University, Georgia State University, Atlanta, GA, 2018

9. Papillary lesions of the breast: Pathologists' Perspective, Staff Education Series, Georgia Cancer Center of Excellence, Atlanta, GA, 2019
10. Papillary lesions of the breast. Annual Meeting, Georgia Association of Pathology, Atlanta, GA, 2019
11. Practical approach and recent updates related to daily sign-out of breast pathology, Georgia Association of Pathology, Atlanta, GA, 2020
12. Panel Discussion of Undifferentiated Neoplasms / Malignant Neoplasms of Unknown Primary. 2<sup>nd</sup> Annual Meeting, Georgia Association of Pathology, Atlanta, GA, 2020
13. Papillary lesions of the breast: Pathologists' Perspective, Department of Surgery fellow didactics, Emory University, Atlanta, GA, 2021
14. Handling and reporting of post neoadjuvant treated breast resections, Department of Surgery Fellow didactics, Emory University, Atlanta, GA, 2021

#### **Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated with Yale:**

##### ***International/National***

1. **Krishnamurti U \***, Bajaj P, Mirchandani JJ. Study of Endometrial factor in women with primary infertility. 40<sup>th</sup> Annual conference of Indian Association of Pathologists and Microbiologists, New Delhi, India 1991 (oral presentation).
2. **Krishnamurti U \***, Bajaj P, Mirchandani JJ. Study of Cervical factor in infertile women with special reference to anti-sperm antibodies. 41<sup>st</sup> Annual Meeting of Indian Association of Pathologists and Microbiologists, New Delhi, India 1992 (oral presentation).
3. Chen Y \*, **Krishnamurti U**, Charonis AS: Receptors in proximal tubular epithelial cells for tubulointerstitial nephritis antigen. 28<sup>th</sup> Annual Meeting of American Society of Nephrology, San Diego, CA 1995 (poster presentation)
4. **Krishnamurti U \***, Yong C, Rondeau E, Michael A, Tsilibary E. Integrin-mediated interactions between human glomerular epithelial cells and type IV collagen (tIV) of the 1(IV) and  $\alpha 3$  (IV) variety. 28<sup>th</sup> Annual Meeting of American Society of Nephrology, San Diego, CA 1995 (oral presentation).
5. **Krishnamurti U \***, Rondeau E, Michael A, Tsilibary E. Alterations in Human Glomerular Epithelial Cells interacting with Glycated Matrix. 30<sup>th</sup> Annual meeting of American Society of Nephrology, 1997 (oral presentation)
6. **Krishnamurti U \***, Zhou B, Fan W, Tsilibary E, Wayner E, Kim Y, Kashtan C, Michael A. Puromycin aminonucleoside (PAN) suppresses integrin expression in cultured glomerular epithelial cells. 31<sup>st</sup> Annual Meeting of American Society of Nephrology, 1998 (poster presentation).
7. **Krishnamurti U \***, Khalil Z, Jessurun J. Inflammation in Barrett's esophagus. What might it represent? 90<sup>th</sup> Annual meeting of United States and Canadian Academy of Pathology, Atlanta GA 2001 (oral presentation).
8. **Krishnamurti U \***, Swalsky P, Sasatomi E, Bakker A, Finkelstein SD, Hunt JL. Mutational analysis of the c-kit gene in tumors that are positive for c-kit overexpression by immunohistochemistry. Annual Meeting of American Society of Clinical Pathology, Washington DC 2002 (poster presentation).
9. **Krishnamurti U\***, Sasatomi E, Swalsky PA, Jones MW, and Finkelstein SD. Microdissection-Based Mutational Genotyping of Serous Borderline Tumors of the Ovary. 93<sup>rd</sup> Annual Meeting of the United States and Canadian Academy of Pathology, Vancouver BC 2004 (poster presentation).

10. **Krishnamurti U\***, Sasatomi E, Swalsky PA, Finkelstein SD, Ohori NP. Analysis of Loss of Heterozygosity in Atypical and Negative Bile Duct Brushing Cytology Specimens with Malignant Outcome: Are “False Negative” Cytologic Findings a Representation of morphologically subtle molecular alterations? 93<sup>rd</sup> Annual Meeting of United States and Canadian Academy of Pathology, Vancouver BC 2004 (oral presentation).
11. **Krishnamurti U\***, Lindner J, Atem F, Storto P, and Silverman JF: Correlation of chromosome 17 polysomy with Her2/neu immunohistochemistry status. 97<sup>th</sup> Annual meeting of United States and Canadian Academy of Pathology Denver CO 2008 (oral presentation).
12. **Krishnamurti U \***, Lindner J, Atem F, Storto P, Silverman JF: Poor Prognostic significance of unamplified chromosome 17 polysomy in invasive breast carcinoma. 97<sup>th</sup> Annual meeting of United States and Canadian Academy of Pathology, Denver CO 2008 (poster presentation).
13. **Krishnamurti U**, Zarineh A \*, Atem F, Silverman JF: Correlation of immunohistochemical expression of p53 with unamplified chromosome 17 polysomy in invasive breast carcinoma. 98<sup>th</sup> Annual meeting of United States and Canadian Academy of Pathology 98<sup>th</sup> Annual Meeting, Boston MA 2009 (poster presentation).
14. Zarineh, A \*, **Krishnamurti U**, & Silverman, JF. Pre-Staining Slides with Hematoxylin for HER-2/neu FISH Testing. 98<sup>th</sup> Annual meeting of United States and Canadian Academy of Pathology, Boston MA 2009 (poster presentation).
15. **Krishnamurti U\***, Atem F, Storto P, Silverman JF: Poor Prognostic Significance of unamplified chromosome 17 monosomy in invasive breast carcinoma. 99<sup>th</sup> Annual meeting of United States and Canadian Academy of Pathology, Washington DC 2010 (poster presentation).
16. O Yergiyev \*, JF Silverman and **Krishnamurti U**: p27 and Ki-67 in Invasive Breast Carcinoma with Unamplified Chromosome 17 Polysomy. 100<sup>th</sup> Annual meeting of United States and Canadian Academy of Pathology, San Antonio TX 2011 (poster presentation).
17. Velosa C \*, Storto P, Silverman JF, **Krishnamurti U**: Chromosomal 7 and 17 Polysomy Triple-Negative Invasive Breast Carcinoma. 100<sup>th</sup> Annual meeting of United States and Canadian Academy of Pathology, San Antonio TX 2011 (poster presentation).
18. Snitchler AN \*, Silverman JF, Liu Y, Sherwood NT, Mohanty A, **Krishnamurti U**, Bryer B, Ujevich B: The Influence of Previous Pap Smear history on cervical cytology diagnoses. Annual Meeting of American Society of Cytopathology Annual Meeting, 2011 (poster presentation).
19. Velosa C \*, Finkelstein SD, **Krishnamurti U**, Liu Y, Silverman JF, Ujevich B, Binkert C, Mohanty A: Bile Duct Brushing Cytology Molecular Evaluation: Comparative Analysis of the Slide Based Cytology and Cell-Free Supernatant Fluid for Mutational Change. 101<sup>st</sup> Annual Meeting of United States and Canadian Academy of Pathology, Vancouver, BC, Canada 2012 (poster presentation).
20. Bokhari SJ \*, Silverman JF, Finkelstein SD, **Krishnamurti U**, Liu Y, Ujevich B, Binkert C, Mohanty A: The Cyto centrifugation of Supernatant Fluid from Thyroid Nodule Fine-Needle Aspirates Provides Analyzable DNA Suitable for Molecular Analysis. 101<sup>st</sup> Annual Meeting of United States and Canadian Academy of Pathology, Vancouver, BC, Canada 2012 (poster presentation).
21. Patel S \*, Smith AR, Mohanty A, **Krishnamurti U**, Binkert C, Ujevich B, Bokhari S, Silverman JF, Finklestein SD, Liu Y: Diagnostic Value of DNA Mutational Analysis of residual liquid gynecologic cytology in detecting malignancy. 101<sup>st</sup> annual meeting of United States and Canadian Academy of Pathology, Vancouver, BC Canada 2012 (poster presentation).
22. Patel S \*, Smith AR, Liu Y, **Krishnamurti U**, Bokhari S, Binkert C, Ujevich B, Finklestein

- SD, Mohanty A, Silverman JF: Mutational Analysis of Cyto centrifugation Supernatant Fluid of Pleural Fluid Provides an Independent Means to Differentiate Benign from Neoplastic Disease. 101<sup>st</sup> annual meeting of United States and Canadian Academy of Pathology, Vancouver BC, Canada 2012
23. Defteros G \*, Finkelstein SD, **Krishnamurti U**, Liu Y, Silverman JF, Binkert C, Ujevich B, Mohanty A: The value of mutational profiling of the cyto centrifugation supernatant fluid from the fine-needle aspiration of pancreatic solid mass lesions. 101<sup>st</sup> annual meeting of United States and Canadian Academy of Pathology, Vancouver, BC, Canada 2012 (oral presentation)
  24. Bivin WW \*, Silverman JF, Finkelstein SD, Liu Y, Mohanty A, Ujevich B, Binkert C, **Krishnamurti C**: Molecular Diagnostic Analysis of Supernatant Fluid from Fine Needle Aspirate, Bile Duct Brushing and Effusion Cytology Specimens. 101<sup>st</sup> annual meeting of United States and Canadian Academy of Pathology, Vancouver, BC, Canada 2012 (poster presentation).
  25. Defteros G \*, **Krishnamurti U**, Storto P, Silverman JF, Bunker ML: Expression of HER2 and GRB7 in upper gastrointestinal tract carcinoma. 101<sup>st</sup> annual meeting of United States and Canadian Academy of Pathology, Vancouver, BC, Canada 2012 (poster presentation).
  26. Velosa C \*, Bunker ML, Silverman JF, and **Krishnamurti U**: HER2 and GRB7 Expression in Serous and Endometrioid Carcinomas of the Endometrium. 101<sup>st</sup> annual meeting of United States and Canadian Academy of Pathology Vancouver, BC, Canada 2012 (poster presentation).
  27. Bivin WW Jr \*, Yergiyev O, Bunker ML, Silverman JF, **Krishnamurti U**: Correlation between HER2 amplification and growth factor receptor-bound protein-7 expression in invasive breast carcinoma. Annual Meeting of American Society for Clinical Pathology, Boston MA 2012 (poster presentation).
  28. Nunez J \*, Silverman JF, **Krishnamurti U**: Optimum number of H& E in the workup of bronchial biopsies. 102<sup>nd</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Baltimore MD 2013 (poster presentation).
  29. Deftereos G \*, **Krishnamurti U**, Silverman JF: GATA3 Expression in Cytology Samples of Metastatic Breast versus Gynecological Carcinoma and Comparison with GCDFP15 and Mammaglobin. 102<sup>nd</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Baltimore MD 2013 (poster presentation).
  30. Deftereos G \*, **Krishnamurti U**, Silverman JF: GATA3 Expression in Different Subtypes of Invasive Breast Carcinoma and Comparison with GCDFP15 and Mammaglobin. 102<sup>nd</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Baltimore MD 2013 (poster presentation).
  31. Velosa C \*, **Krishnamurti U**, Mohanty A, Liu Y, Silverman JF: Is IHC for Fibulin-3 specific for malignant mesothelioma in effusion cytology? 103<sup>rd</sup> Annual Meeting of the United States & Canadian Academy of Pathology, San Diego CA 2014 (poster presentation).
  32. Sanguino AM \*, Liu Y, Mohanty A, **Krishnamurti U**, Jan Silverman: PAX8 as a reliable marker to Differentiate reactive mesothelial cells from metastatic gynecologic carcinomas in serous effusion, 103<sup>rd</sup> Annual Meeting of the United States & Canadian Academy of Pathology, San Diego CA 2014 (poster presentation).
  33. Czapla A \*, Silverman JF, **Krishnamurti U**: Discordance in HER2 copy numbers by FISH in invasive breast carcinoma. 103<sup>rd</sup> Annual Meeting of the United States & Canadian Academy of Pathology, San Diego CA 2014 (oral presentation).
  34. Deftereos G \*, Uchin J, Silverman JF, **Krishnamurti U**: GATA3 Expression in cutaneous neoplasms. 103<sup>rd</sup> Annual Meeting of the United States & Canadian Academy of



- Pathology, San Diego CA 2014 (oral presentation).
35. Nunez J \*, Silverman JF, **Krishnamurti U**. Significance of Folate Receptor Alpha in Invasive Breast Carcinoma. The Annual Meeting of American Society for Clinical Pathology, Tampa FL 2014 (poster presentation).
  36. Czapla, A \*, Silverman, J., & **Krishnamurti, U**. What is the Utility of Cytologic and Surgical Pathologic Examination in the Workup of Endobronchial Hamartomas? the Annual Meeting of American Society for Clinical Pathology, Tampa FL 2014 (poster presentation).
  37. DiCarlo C \*, Silverman JF, **Krishnamurti U**: Molecular Subtypes of Breast Cancer in Chromosome 17 Polysomy. 104<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Boston MA 2015 (poster presentation).
  38. Czapla C\*, Silverman JF, **Krishnamurti U**: Evaluation of CIN1 Loop Electrosurgical Excision Procedure (LEEP) Specimens Following an Initial Colposcopy Biopsy Diagnosis of CIN 2: Retrospective p16 Immunostaining on the Initial Colposcopy Biopsies. 104<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Boston MA 2015 (poster presentation)
  39. Patel S \*, Sanguino A, Liu Y, Mohanty A, Xu L, Lynch E, Silverman JF, **Krishnamurti U**. p16 Immunostaining for Accurate Diagnosis in Patients with LSIL-H Cytology Using LAST Guidelines. The American Society for Clinical Pathology, Long Beach CA 2015 (poster presentation).
  40. Li X \*, **Krishnamurti U**, Huo L, Peng L. Male breast carcinoma has a worse prognosis than female breast carcinoma. 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Seattle WA 2016 (poster presentation).
  41. Li X \*, **Krishnamurti U**, Bhattarai S, Klimov S, Reid M, Aneja R. Biomarkers predicting pathological complete response to neoadjuvant chemotherapy in breast cancer. 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Seattle WA 2016 (poster presentation).
  42. Yang J, Neely C, Bhattarai S, Peng L, **Krishnamurti U**, Aneja R, Xiaoxian Li \*. Validation of modified Magee equation to predict the Oncotype DX recurrence score. 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Seattle WA 2016 (poster presentation).
  43. **Krishnamurti U**, Sonmez C, Yang J, Peng L, Li X \*, and Aneja R. High Peripheral Stromal Lymphocytic Infiltration is Associated with Better Survival in Triple-Negative Breast Carcinoma. 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology Seattle WA 2016 (poster presentation).
  44. Ogden A \*, Green AR, Aleskandarany MA, Rakha EA, Ellis IO, Ali S, Li X, **Krishnamurti U**, Reid MD, Rida PC, Aneja R. Retinoic Acid Receptor Alpha Is a Positive Prognostic Biomarker in Triple-Negative Breast Cancer. 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Seattle WA 2016 (poster presentation).
  45. Ogden A \*, Green AR, Aleskandarany MA, Rakha EA, Ellis IO, Ali S, Li X, **Krishnamurti U**, Reid MD, Rida PC, Aneja R. High HER3-EGFR Score Predicts Aggressive Disease Course in Triple-Negative Breast Cancer, 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Seattle WA 2016 (poster presentation).
  46. Avadhani V \*, Hacıhasanoglu E, Hanley KZ, **Krishnamurti U**, Krasinskas AM, Osunkoya AO, Daniels L, Freedman A, Goodman M, Adsay V, Reid MD: Cytologic Predictors of Malignancy in Bile Duct Brushings (BDBs): 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Seattle WA 2016 (poster presentation).
  47. Hacıhasanoglu E\*, Hanley KZ, Everett R, Avadhani V, Krasinskas AM, **Krishnamurti U**,

- Osunkoya AO, Freedman A, Memis B, Goodman M, Adsay V, Reid MD: When we say “Maybe” we mean “Yes”; We just don’t want to say it (and probably for a good reason): Pathologists own view on their “uncertain” diagnoses in bile duct brushings. 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Seattle WA 2016 (poster presentation).
48. Reid MD \*, Hacıhasanoglu E, Avadhani V, **Krishnamurti U**, Osunkoya AO, Hanley KZ, Krasinskas AM, Daniels L, Freedman A, Goodman M, Adsay V. The Impact of Training Vs. Experience in the Evaluation of Biliary Brushings (BDB). 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Seattle WA 2016 (poster presentation).
  49. Dureau ZJ \*, Robinson B, Siddiqui MT, **Krishnamurti U**, Mosunjac M, Tadros TS, Shi WW, Avadhani V, Schmitt S, Birdsong G, Oprea-Ilie GM. Fine Needle Aspirations of the Lung: Impact of Interobserver Variability amongst Cytopathologists Can Affect the Diagnosis. 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology Seattle WA 2016 (poster presentation).
  50. Dureau ZJ \*, **Krishnamurti U**, Mosunjac M, Tadros TS, Mosunjac MB: The Role of p16 in the Classification of Anal Squamous Intraepithelial Lesions: Evaluation of Interobserver Variability. 105<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Seattle WA 2016 (poster presentation).
  51. Sonmez C\*, Logan SJ, Wei B, Peng L, **Krishnamurti U**, Li X: High Tumor Budding Count Is Associated with Poor Clinicopathological Features and Prognosis in Breast Carcinoma. 106<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, San Antonio, TX 2017 (poster presentation).
  52. Memis B, Avadhani V, Hanley KZ, Hacıhasanoglu E, Krishnamurti U, Osunkoya AO, Goodman MM, Nash R, Adsay V et al. Improved Interpretation of Bile Duct Brushings Requires Intensive Exposure and Familiarity with Diagnostic Criteria. 106<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, San Antonio, TX 2017 (poster presentation).
  53. Reid MD, Memis B, Hacıhasanoglu E, Avadhani V, **Krishnamurti U**, Osunkoya AO, Krasinskas A, Hanley KZ Nash R, Goodman MM, Adsay V et al. Poor Performance of Bile Duct Brushings (BDBs) Is Mostly Attributable to Suboptimal Sampling, but Interpretative Challenges Are Also a Factor: A Comparative Analysis of Specimens Procured by Gastroenterologists Vs. Those Obtained from Surgical Resection Specimens. 106<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, San Antonio, TX 2017 (poster presentation).
  54. **Krishnamurti U\***, Yang J, Peng L, Cohen C, Li X: Folate Receptor-alpha (FR alpha), Glycoprotein Nonmetastatic Melanoma B (GPNMB), BRCA1 Associated Protein (BAP1) and Beta-Catenin Are Highly Expressed in Triple-Negative Breast Carcinoma. 107<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Vancouver Canada 2018 (poster presentation).
  55. Cohen D, Krasinskas A, Mosunjac M, Xue Y, **Krishnamurti U**, Hanley K\*. Morphological Features Distinguishing Metastatic versus Primary Mucinous Tumors of the Ovary: An Interobserver Variability Study. 107<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, Vancouver Canada 2018 (poster presentation).
  56. Wright N\*, Lee C, Wei G, **Krishnamurti U**, Li X, Rida PCG, Osan R, Aneja R. Differences in tumor-infiltrating lymphocytes between racially distinct triple-negative breast tumors. 10<sup>th</sup> AACR Conference on the Science of Cancer health disparities in racial/ethnic minorities and the medically underserved, Atlanta, GA, 2018 (poster presentation).

57. **Krishnamurti U\***, Monsrud A, Mohammad M, Mosunjac M, Oprea G, Hanley K, Tadros T, Flowers L, Mosunjac MB: How good are we in Diagnosing Anal Squamous Intraepithelial Lesions with and without p16-an Inter-Observer Variability Study? 108<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology and at the 2019 Annual Meeting of American Society of Cervical Cancer & Colposcopy, 2019 (poster presentation).
58. Perricone A\*, **Krishnamurti U**, Mosunjac MB, and Hanley K: Common Challenges in Histologic Evaluation of FIGO Grade 1 and 2, Low Stage Endometrioid Adenocarcinoma: An Interobserver Study on Myoinvasion, LVI, and Histologic Grading. 108<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, March 2019 (poster presentation).
59. Zhao J\*, Zhang V, Suo A, Shi Q, Li Z, **Krishnamurti U**, Li X: HER2 immunohistochemistry positivity is strongly predictive of HER2 positive breast cancer response to neoadjuvant therapy. 108<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, March 2019 (poster presentation).
60. Point du Jour K\*, **Krishnamurti U**, Nguyen M, Mosunjac MB: Cytology of the lower anogenital tract in transgender population: emerging trends from a large urban public hospital system. The 67<sup>th</sup> Annual Meeting of American Society of Cytopathology, November 2019 (poster presentation). Annual Meeting of American Society of Cervical Cancer & Colposcopy, 2020 (oral presentation).
61. Mullane P\*, Mosunjac MB, Birdsong GB, **Krishnamurti U**: Comparing Oncotype DX with Standard Histopathology and the Magee 2 Equation: Analysis from an Urban Public Hospital. 109<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, March 2020 (poster presentation).
62. Geller R\*, Mosunjac M, **Krishnamurti U**, Mosunjac MB: Sick cell lung disease and sudden death, has anything changed? An autopsy study. Poster presentation at 109<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, March 2020 (poster presentation).
63. Monsrud A\*, Avadhani V, Mosunjac MB, **Krishnamurti U**: PD-L1 Expression is associated with Poorer Survival in Anal Squamous Cell Carcinoma: Analysis from an Urban Public hospital. The Annual Meeting of the American Society of Clinical Pathology, 2020 (poster presentation).
64. Monsrud A\*, Avadhani V, Mosunjac MB, **Krishnamurti U**: PD-L1 Expression in Anal Intraepithelial Neoplasia versus Invasive Squamous Cell Carcinoma. The Annual Meeting of The Annual Meeting of the American Society of Clinical Pathology, 2020 (poster presentation).
65. Dababneh MN\*, Birdsong GG, Mosunjac MB, **Krishnamurti U**: HPV 16/18/45 are not the most frequent Genotypes in women of African-American descent: Analysis in Cervical Pap Smears of Women in an Inner-city Hospital. The Annual Meeting of the American Society of Clinical Pathology, 2020 (poster presentation).
66. Monsrud A, **Krishnamurti U**, Mosunjac MB: Progression risk of Anal low grade squamous intraepithelial lesion (LSIL/AIN 1). Poster presentation at 110<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, March 2021 (poster presentation).
67. Avadhani V, Monsrud A, Mosunjac MB, **Krishnamurti U**: Expression of PD-L1 in Anal and Cervical invasive squamous cell carcinoma: Comparison of two antibody clones. Poster presentation at 110<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, March 2021. (poster presentation).
68. Monsrud A\*, Avadhani V, Mosunjac MB, Lisa Flowers, **Krishnamurti U**: PD-L1 Expression in Cervical Squamous Cell Carcinoma is associated with Poorer Outcomes: Analysis from an Urban Public hospital. Presentation at 110<sup>th</sup> Annual Meeting of the United States & Canadian

Academy of Pathology, March 2021 (poster presentation). Selected as one of top three posters for presentation in the Journal club of the International Society of Gynecological Pathologists, April 2021

69. Avadhani V, Monsrud A, Mosunjac MB, Lisa Flowers, **Krishnamurti U**: Evaluation of Tumor Microenvironment in Anal Squamous Cell Carcinoma and Correlation with PD-L1 Expression. Presentation at 111<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, March 2022 (poster presentation).
70. Bouza S, Sun T, Liang Y, **Krishnamurti U**, Harigopal M, Zhong M, Zhan H. Double PIK3CA mutations are associated with distinct morphological characteristics in breast cancer. Presentation at 111<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, March 2022 (poster presentation).
71. Liang Y, Zhan H, **Krishnamurti U**, Harigopal M, Sun T: Further Characterization of Clinicopathologic Features of Cystic Neutrophilic Granulomatous Mastitis: A Case-Control Study in a Single Large Health System. Presentation at 111<sup>th</sup> Annual Meeting of the United States & Canadian Academy of Pathology, March 2022 (poster presentation).

### ***Regional***

1. **Krishnamurti U \***, Dua D, Bias AK, Bajaj P, Logani KB: Gastric Teratoma in infancy. 5<sup>th</sup> Annual Delhi chapter conference of Indian Association of Pathologists and Microbiologists, New Delhi, India 1990 (poster presentation).
2. **Krishnamurti U \***, Dua D, Bias AK, Bajaj P, Logani KB: A case report of nasal mesenchymal chondrosarcoma. 6<sup>th</sup> Delhi chapter conference of Indian Association of Pathologists and Microbiologists, New Delhi, India 1991 (poster presentation).
3. **Krishnamurti U \***, Narayan S, Logani KB. Case report of severe thrombocytopenia accompanying megaloblastic anemia following phenytoin therapy. Annual Meeting of Indian Association of Hematologists, New Delhi, India 1992 (oral presentation).

### **Professional Service**

#### ***Peer Review Groups/Grant Study Sections:***

2016-2021      Member, Grant review committee, Emory Medical Care Foundation, Emory University, Atlanta, GA

#### ***Journals:***

##### Editorial Boards

2007-2008      Section Editor, Tumors, *Journal of Foot and Ankle Surgery*  
2015-2018      Editor, *Diagnostic Pathology*  
2020- present   Section Editor, *Diagnostic Pathology*

##### Reviewer

*Diagnostic Pathology Cytojournal, Diagnostic Cytopathology, Human Pathology, Modern Pathology, Virchows Pathology*

***Professional Organizations:***

International Society of Gynecologic Pathologists

2004-present Member

American Society of Cytopathology

2004-present Member

2015-2020 Member, Membership Committee

2020-2022 Chair, Research, and current concepts committee

The United States and Canadian Academy of Pathology

2008-present Member

Pittsburgh Pathology Society

2012-2014 Secretary/Treasurer

Papanicolaou Society,

2013-2016 Member

College of American Pathologists

2014-present Member

2016-2021 Member, Cancer Committee, Lead of the Gynecological Section and Primary author of CAP cancer protocol templates of Gynecologic tumors

2020-2023 Elected Member, House of Delegates

2022 - present CAP protocol working group of the CAP Foundation Global committee

01/2023 - Member, Cancer Committee, Breast Section

American Joint Committee on Cancer

2021-present Member, Editorial Committee; Member, Vulva expert panel

Georgia Association of Pathology

2019-2021 Member

2019-2021 Member, Education Committee

2020 Member, Organizing committee, 2<sup>nd</sup> Annual meeting

2020-2021 Member of Board

***University/Hospital System:***

University Committees

2011-2014 Member, Appointments and Promotions Committee, Temple University

2016-present Member, Grant review committee, Emory Medical Care Foundation, Emory University, Atlanta, GA

Medical School Committees

2015- present Chair, Breast Working Group, Breast Satellite Tissue Bank, Winship Cancer Institute, Emory University, Atlanta, GA

2015- present Member, Avon Breast Steering Committee, Emory Health care

2016-present Member, Breast Cancer Education Committee, Emory University, Atlanta, GA

2017-present Member, Cancer Committee, Georgia Cancer Center of Excellence, Atlanta, GA

Departmental Committees

2016-2018 Member, Search Committee for Vice-Chair Anatomic Pathology, Emory University, Atlanta, GA

2019-2021 Chair, Faculty Morale and Retention Committee, Emory University, Atlanta, GA

2019-2021 Co-Chair, Faculty, Staff, and trainee Morale and Engagement Committee, Emory University, Atlanta, GA

2022- Present Director of Billing and Compliance, Yale University

Hospital Committees

2004-2014      Member, Blood Bank Utilization Committee, West Penn Hospital

***Yale University/Hospital System:***

2021-present    Member, Breast Program Leadership

**Public Service / Media Presence:**

***Public Service:***

2015-17          Pathologist collaborator, CDC (Center for Disease Control and Prevention), HPV Impact project, Chronic Viral Diseases Branch

2019              International trip to Nigeria as a technical consultant for “Run for Cure Africa Breast Cancer Foundation (RCFA),” part of a 4-member team from Winship Cancer Institute, Emory University

2020-present    Co-Founder and Co-Director of PEACE (Partnership of Emory and Africa for Cancer and Education); non-profit web-based education for trainees and pathologists in Africa [www.pathology.emory.edu/peace](http://www.pathology.emory.edu/peace)

***Media Presence:***

2021              Education Webinar: A Roadmap on How to Prepare a Poster and a Platform. Presented by the Research and Current Concepts Committee, American Society of Cytopathology. Premiered on 9/15/2021  
<https://www.youtube.com/watch?v=jkFOhFfi3gM>

2021              CAPcast: Podcast: How ovarian cancer protocols benefit pathologists and patients. September 2021 <https://podcasts.apple.com/hu/podcast/how-ovarian-cancer-protocols-benefit-pathologists-patients/id1279391140?i=1000532991200>

2022              Krishnamurti, U. CAP Cancer Protocols June 2021 Template Updates: Uterus Cervix. [YouTube video interview]. College of American Pathologists.  
[https://players.brightcove.net/6092019297001/RReG2M9O\\_default/index.html?videoId=6291370963001&mkt\\_tok=MzA3LUhaWi01NDQAAAGCFzBXZEPySy96PU25qNULge6F\\_xrUDjh5jLY5mRmpIb3ejBPxd4tKdRSeg9z6Blc0iZ0Xxjtzgu323n0p0Wt6niCraDBFBNVoImYP-ah5vQ](https://players.brightcove.net/6092019297001/RReG2M9O_default/index.html?videoId=6291370963001&mkt_tok=MzA3LUhaWi01NDQAAAGCFzBXZEPySy96PU25qNULge6F_xrUDjh5jLY5mRmpIb3ejBPxd4tKdRSeg9z6Blc0iZ0Xxjtzgu323n0p0Wt6niCraDBFBNVoImYP-ah5vQ)

**Bibliography:**

***Peer-Reviewed Original Research***

1. Chen Y, **Krishnamurti U**, Charonis AS. Receptors in proximal tubular epithelial

- cells for tubulointerstitial nephritis antigen. *Kidney Intl.* 1996; 49: 153-157
2. **Krishnamurti U**, Yong C, Rondeau E, Michael A, Tsilibary E. Integrin-mediated interactions between human glomerular epithelial cells and type IV collagen. *Lab. Invest.* 1996; 74: 650-657.
3. **Krishnamurti U**, Rondeau E, Michael A, Tsilibary E. Alterations in Human Glomerular Epithelial Cells interacting with Glycated Matrix. *Journal of Biological Chemistry* 1997; 272: 27966-27970
4. **Krishnamurti U**, Zhou B, Fan W, Tsilibary E, Wayner E, Kim Y, Kashtan C, Michael A. Puromycin aminonucleoside (PAN) suppresses integrin expression in cultured glomerular epithelial cells. *Journal of American Society of Nephrology* 2001; 12: 758-766. DOI: 10.1097/PAP.0000000000000015. PMID: 24508693.
5. **Krishnamurti U**, Sasatomi E, Swalsky PA, Jones MW, and Finkelstein SD. Microdissection-Based Mutational Genotyping of Serous Borderline Tumors of the Ovary. *International Journal of Gynecological Pathology* 2005; 24 (1): 56-61. PMID: 15626917.
6. Raab S, Meier FA, Zarbo R, Jensen CD, Geisinger KR, Booth CN, **Krishnamurti U**, Stone CH, Janosky JE, and Grzybicki DM: The “Big Dog” Effect: Variability Assessing the Causes of Error in Diagnoses of Patients with Lung Cancer. *Journal of Clinical Oncology* 2006; 24: 2808-2014. DOI: 10.1200/JCO.2005.04.3661. PMID: 16782918.
7. **Krishnamurti U**, Sasatomi E, Swalsky PA, Finkelstein SD, and Ohori NP. Analysis of Loss of Heterozygosity in Atypical and Negative Bile Duct Brushing Cytology Specimens with Malignant Outcome: Are “False Negative” Cytologic Findings a Representation of morphologically subtle molecular alterations? *Arch of Pathol* 2007; 131: 74-80. DOI: 10.5858/2007-131-74-AOLOHI. PMID: 17227126.
8. **Krishnamurti U**, Hammers JL, Atem FD, Storto PD, Silverman JF: Poor prognostic significance of unamplified chromosome 17 polysomy in invasive breast carcinoma. *Mod Pathol* 2009; 22 :1044-1048. DOI: 10.1038/modpathol.2009.61. PMID: 19396150.
9. **Krishnamurti U**, Zarineh A, Atem F, and Silverman J: Correlation of immunohistochemical expression of p53 with unamplified chromosome 17 polysomy in invasive breast carcinoma. *Appl Immunohistochem Mol Morphol* 2011; 19: 28-32. DOI: 0.1097/PAI.0b013e3181e9bb6f. PMID: 20823770.
10. Reighard, S.D., Sweet, R.L., Miguel, C.V., Miguel, R.D.V., Chivukula, M., **Krishnamurti, U.**, Cherpes, T.L.: Endometrial leukocyte subpopulations associated with Chlamydia trachomatis, Neisseria gonorrhoeae, and Trichomonas vaginalis genital tract infections. *American Journal of Obstetrics and Gynecology* 2011; 205(4): 324. e 1-7. DOI: 10.1016/j.ajog.2011.05.031. PMID: 21777898; PMCID: PMC3204313.
11. Vicetti Miguel RD, Chivukula M, **Krishnamurti U**, Amortegui AJ, Kant JA, Sweet RL, Wiesenfeld HC, Phillips JM, Cherpes TL: Limitations of the criteria used to diagnose histologic endometritis in epidemiologic pelvic inflammatory disease research. *Pathol Res Pract.* 2011; 207(11):680-685. DOI: 10.1016/j.prp.2011.08.007. PMID: 21996319; PMCID: PMC3215901.
12. Deftereos G, Finkelstein SD, Jackson SA, Ellsworth EM, **Krishnamurti U**, Liu Y, Silverman JF, Binkert CR, Ujevich BA, Mohanty A: The value of mutational profiling of the cytocentrifugation supernatant fluid from fine-needle aspiration of pancreatic solid mass lesions. *Mod Pathol.* 2014; 27 (4): 594-601. DOI: 10.1038/modpathol.2013.147. PMID: 24051700.
13. Deftereos G, Silverman JF, **Krishnamurti U**: GATA3 Immunohistochemistry Expression in Primary Breast Carcinoma Subtypes and Metastatic Breast Carcinoma Cytology. *Am J Surg Pathol* 2015; 39(9):1282-1289. DOI: 10.1097/PAS.0000000000000505. PMID: 26274030.



14. Johnson G, Nguyen MY, **Krishnamurti U**, Seydafkan S, Flowers L, Ehdaivand S, Mosunjac M: Cytology as a screening tool for anal squamous intraepithelial lesion for HIV positive men: 10- year experience in an inner-city hospital. *Journal of American Society of Cytopathology*. 2016; 5 :145-153. DOI: 10.1016/j.jasc.2015.08.003. PMID: 31042517.
15. BivinWW Jr, Yergiyev O, Bunker ML, Silverman JF, **Krishnamurti U**: Correlation between HER2 amplification and growth factor receptor-bound protein-7 (GRB7) expression in invasive breast carcinoma. *Appl Immunohistochem Mol Morphol* 2017; 25(8):553-558. DOI:10.1097/PAI.0000000000000349. PMID: 26945445.
16. Kapur N, Mir H, Clark, III C, **Krishnamurti U**, Beech D, Lillard, Jr JW., Singh S: Higher CCR6 in colon cancer is associated with advanced disease and supports epithelial to mesenchymal transition. *British J of Cancer*, 2016; 114(12):1343-1351. DOI: 10.1038/bjc.2016.113. PMID: 27149649; PMCID: PMC4984452.
17. Li X, **Krishnamurti U** (co-first author), Bhattarai S, Klimov S, Reid M, O'Regan R, Aneja R: Biomarkers predicting pathological complete response to neoadjuvant chemotherapy in breast cancer *Am J Clin Path*, 2016; 145(6):871-878. Selected for CME activity. DOI: 10.1093/ajcp/aqw045. PMID: 27298399.
18. Li X, Wetherilt CS, **Krishnamurti U**, Yang J, Ma Y, Styblo TM, Meisel JL, Peng L, Siddiqui MT, Cohen C, Aneja R: Stromal PD-L1 Expression Is Associated with Better Disease-Free Survival in Triple-Negative Breast Cancer *Am J Clin Path*, 2016; 146 (4): 496-502. DOI: 10.1093/ajcp/aqw134. PMID: 27686176. Selected for CME activity.
19. Ogden A, Garlapati C, Li XB, Turaga RC, Oprea-Ilie G, Wright N, Bhattarai S, Mittal K, Krishnamurti U, Aneja R: Multi-institutional study of nuclear KIFC1 as a biomarker of poor prognosis in African American women with triple-negative breast cancer. *Sci Rep* 201; 7: 42289. DOI: 10.1038/srep42289. PMID: 28218233; PMCID: PMC5316996.
20. Wright N, Xia J, Cantuaria G, Klimov S, Jones M, Neema P, I'Yasova D, **Krishnamurti U**, Reid MD et al. Distinctions in breast tumor recurrence patterns post-therapy among racially distinct populations. *Plos One* 2017; 12(1): 01. DOI: 10.1371/journal.pone.0170095. PMID: 28085947; PMCID: PMC5234824.
21. **Krishnamurti U**, Wetherilt CS, Yang J, Peng L, Li X: Tumor-infiltrating lymphocytes are significantly associated with better overall survival and disease-free survival in triple-negative but not estrogen receptor-positive breast cancers. *Human Pathology* 2017; 64:7-12. DOI: 10.1016/j.humpath.2017.01.004. PMID: 28153508.
22. Avadhani V, Hacıhasanoglu E, Hanley KZ, **Krishnamurti U**, Krasinskas AM, Osunkoya AO, Daniels L, Freedman A, Goodman M, Adsay V, Reid MD: Cytologic Predictors of Malignancy in Bile Duct Brushings (BDBs): A Multi-Reviewer Analysis of 60 cases, *Mod Pathol* 2017; 30(9):1273-1286. DOI: 10.1038/modpathol.2017.51. PMID: 28664934.
23. Li X, Yang J, **Krishnamurti U**, Huo L, Ward KC, O'Regan R, Peng L: Hormone Receptor-Positive Breast Cancer Has a Worse Prognosis in Male Than in Female Patients. *Clin Breast Cancer*. 2017 17(5):356-366. DOI: 10.1016/j.clbc.2017.03.005. PMID: 28576631.
24. BivinWW Jr, Yergiyev O, Bunker ML, Silverman JF, **Krishnamurti U**: Correlation between HER2 amplification and growth factor receptor-bound protein-7 (GRB7) expression in invasive breast carcinoma. *Appl Immunohistochem Mol Morphol* 2017; 25(8):553-558.
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26. Klimov S, Miligy IM, Gertych A, Jiang Y, Toss MS, Rida P, Ellis IO, Green A,

- Krishnamurti U**, Rakha EA, Aneja R. A whole slide image-based machine learning approach to predict ductal carcinoma in situ (DCIS) recurrence risk. *Breast Cancer Res.* 2019;29(1):83. DOI: 10.1186/s13058-019-1165-5. PMID: 31358020; PMCID: PMC6664779.
27. Meisel JL, Zhao J, Suo A, Zhang C, Wei Z, Taylor C, Aneja R, **Krishnamurti U**, Li Z, Nahta R, O'Regan R, Li X. Clinicopathologic Factors Associated with Response to Neoadjuvant Anti-HER2-Directed Chemotherapy in HER2-Positive Breast Cancer. *Clin Breast Cancer.* 2020; 20(1):19-24. DOI: 10.1016/j.clbc.2019.09.003. PMID: 31806448.
28. **Krishnamurti U**, Mohammad M, Monsrud A, Mosunjac M, Oprea G, Hanley K, Tadros T, Flowers L, Mosunjac M.: " Diagnosing Anal Squamous Intraepithelial Lesions with and without p16: An Inter-Observer Variability Study". *J Low Genit Tract Dis.* 2020; 24(1):69-74. DOI: 10.1097/LGT.0000000000000500. PMID: 31860579.
29. Ogden A, Bhattarai S, Sahoo B, Mongan NP, Alsaleem M, Green AR, Aleskandarany M, Ellis IO, Pattni S, Li XB, Moreno CS, **Krishnamurti U**, Janssen EA, Jonsdottir K, Rakha E, Rida P, Aneja R. Combined HER3-EGFR score in triple-negative breast cancer provides prognostic and predictive significance superior to individual biomarkers. *Scientific reports* 2020;10(1):3009. DOI: 10.1038/s41598-020-59514-1. PMID: 32080212; PMCID: PMC7033213.
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31. Zhao J, **Krishnamurti U**, Zhang C, Suo A, Wei Z, Aneja A, Li Z, Li X: HER2 immunohistochemistry staining positivity is strongly predictive of tumor response to neoadjuvant chemotherapy. *Pathol Res Pract.* 2020; 216(11):153155. DOI: 10.1016/j.prp.2020.153155. PMID: 32871536.
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35. Monsrud A\*, Avadhani V, Mosunjac MB, **Krishnamurti U**: Programmed Death Ligand-1 Expression is associated with Poorer Survival in Anal Squamous Cell Carcinoma. *Arch Pathol Lab Med.* 2022.;146(9):1094-1101. doi: 10.5858/arpa.
36. Gohar J, Do WL, Miller-Kleinhenz J, Conneely K, **Krishnamurti U**, D-Angelo O, Gogineni, K, Torres M, Gabram-Mendola S, McCullough L: Neighborhood characteristics and breast tumor methylation: using epigenomics to explore cancer outcome disparities. *Breast Cancer Res Treat.* 2022; 91(3):653-663. PMID: 34978015. DOI: 10.1007/s10549-021-06430-1.
37. Liang Y, Zhan H, **Krishnamurti U**, Harigopal M, Sun T. Further Characterization of Clinicopathologic Features of Cystic Neutrophilic Granulomatous Mastitis. *Am J Clin Pathol.* 2022;158(4):488-493. doi: 10.1093/ajcp/aqac074
38. Dababneh MN\*, Birdsong GG, Mosunjac MB, **Krishnamurti U**: HPV 16/18/45 are not the most frequent genotypes in women of African American descent: Analysis in cervical Papanicolaou smears of women in an inner-city hospital. *J Am Soc Cytopathol.* 2022 Dec

1:S2213-2945(22)00277-0. PMID: 36585313 doi: 10.1016/j.jasc.2022.11.005. Online ahead of print.

## Peer-Reviewed Reviews, Practice Guidelines, Standards, and Consensus Statements

### Reviews

1. **Krishnamurti U**, Steffes MW. Glycated Hemoglobin: Still a predictor of development and reversal of diabetic complications. *Clinical Chemistry* 2001; 47: 1157-65. *Clin Chem* 2001; 47:1157–1165. PMID: 11427445]
2. **Krishnamurti U**, Silverman JF: HER2 in breast cancer: a review and update. *Adv Anat Pathol* 2014; 21(2):100-107. DOI: 10.1097/PAP.000000000000015. PMID: 24508693.
3. **Krishnamurti U**, Silverman JF: The Clinicopathologic significance of centromere 17 copy number alterations in invasive breast cancer. *Pathol Case Reviews* 2014; 19 (1):13-17. DOI: 10.1097/PCR.000000000000016
4. **Krishnamurti U**, Silverman JF: Assessment of HER2 status in breast cancer. *Pathol Case Reviews* 2014; 19: 261-264. DOI: 10.1097/PCR.000000000000055
5. Li X, Oprea G, **Krishnamurti U**: New Developments in Breast Cancer and Their Impacts on Daily Practice in Pathology. *Archives of Laboratory Medicine and Pathology* 2017;141(4):490-98. Selected for CME activity. DOI: 10.5858/arpa.2016-0288-SA. PMID: 28353377.
6. **Krishnamurti U**, Unger ER: Pathobiology of Human Papillomaviruses in Human Immunodeficiency Virus-Infected Persons. *Seminars in Diagnostic Pathology* 2017; 34(4):364- 70. DOI: 10.1053/j.semmp.2017.04.005. PMID:28549522.
7. Wright N, Rida P, **Krishnamurti U**, Li X, Aneja A: Targeted drugs and diagnostic assays: Companions in the race to combat ethnic disparity, *Frontiers in Bioscience (Landmark Ed)* 2017; 22: 193-211. DOI: 10.2741/4481. PMID: 27814611.

### Peer Reviewed Reviews, Guidelines, Standards, Consensus Statements

As a Member, Cancer Committee, College of American Pathologists, and Lead of Gynecological Section, 01/2016-12/2021. I am the primary author of the current CAP cancer protocol templates of Gynecologic tumors that are imperative for cancer staging, therapy, and surveillance. The Gynecologic cancer protocol templates are used widely nationally and internationally by practicing pathologists and have been downloaded have 277,182 times in the last two years (379 downloads/day).

1. Lead primary author of “Protocol for the Examination of Resection Specimens from Patients with Primary Carcinoma of the Uterine Cervix.”  
[https://documents.cap.org/protocols/Cervix\\_5.0.1.3.REL\\_CAPCP.pdf](https://documents.cap.org/protocols/Cervix_5.0.1.3.REL_CAPCP.pdf)
2. Lead primary author of “Protocol for the Examination of Specimens From Patients With Carcinoma and Carcinosarcoma of the Endometrium.”  
[https://documents.cap.org/protocols/Uterus.Hys.Bx\\_4.2.0.2.REL\\_CAPCP.pdf](https://documents.cap.org/protocols/Uterus.Hys.Bx_4.2.0.2.REL_CAPCP.pdf)
3. Lead primary author of “Protocol for the Examination of Specimens From Patients With Primary sarcoma of the uterus.”  
[https://documents.cap.org/protocols/Uterus.Sarc\\_4.4.0.0.REL\\_CAPCP.pdf](https://documents.cap.org/protocols/Uterus.Sarc_4.4.0.0.REL_CAPCP.pdf)

4. Lead Primary author of “Protocol for the Examination of Excision Specimens from Patients With Primary Carcinoma of the Uterine Cervix”.  
[https://documents.cap.org/protocols/Cervix.Bx\\_4.4.1.0.REL\\_CAPCP.pdf](https://documents.cap.org/protocols/Cervix.Bx_4.4.1.0.REL_CAPCP.pdf)
5. Lead primary author of “Protocol for the Examination of Specimens From Patients With Primary Gestational Trophoblastic malignancy”.  
[https://documents.cap.org/protocols/Trophoblast\\_4.1.0.1.REL\\_CAPCP.pdf](https://documents.cap.org/protocols/Trophoblast_4.1.0.1.REL_CAPCP.pdf)
6. Primary author of “Protocol for the Examination of Excision Specimens from Patients With Primary Tumors of the Ovary, Fallopian Tube, or Peritoneum”.  
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