

University of California, San Francisco
CURRICULUM VITAE

Name: Vighnesh Walavalkar

Position: Assistant Professor of Clinical Pathology, Step 3
UCSF School of Medicine, Department of Pathology

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EDUCATION

2001 - 2006	Kasturba Medical College, Mangalore, India	M.B.,B.S.	Medicine and Surgery	N/A
2006 - 2007	Kasturba Medical College, Mangalore, India	Internship	Medicine and Surgery	N/A
2009 - 2011	UC Irvine Medical Center, Orange, CA	Pathology Residency	Anatomic and Clinical Pathology	N/A
2001 - 2012	UMASS Memorial Medical Center, Worcester, MA	Research Associate	Breast Pathology	N/A
2012 - 2013	UMASS Memorial Medical Center, Worcester, MA	Surgical Pathology Fellow	Pathology	N/A
2013 - 2014	UMASS Memorial Medical Center, Worcester, MA	Cytopathology Fellow	Pathology	N/A
2014 - 2015	UC Irvine Medical Center, Orange, CA	Pathology Residency	Anatomic and Clinical Pathology	N/A
2015 - 2016	UCSF Medical Center, San Francisco, CA	Research Associate	Renal Pathology	N/A

LICENSES, CERTIFICATION

2007	Medical Council of India
2011	Medical Board of California
2012	Massachusetts Board of Registration in Medicine
2015	American Board of Pathology - Anatomic and Clinical Pathology

2015 American Board of Pathology - Cytopathology

PRINCIPAL POSITIONS HELD

2007 - 2008	Kasturba Medical College, Mangalore, India	Clinical Instructor Pharmacology
2016 - 2017	UC San Diego Medical Center	Assistant Clinical Pathology Professor
2017 - present	UCSF Medical Center	Assistant Clinical Pathology Professor

HONORS AND AWARDS

2015	American Society of Cytopathology Foundation Resident and Fellow Scholarship	American Society of Cytopathology
2015	Warren L. Bostick Award for Excellence in Resident Teaching	UC Irvine School of Medicine
2015	Faculty Volunteer, Digital Microscopy Viewing Room	American Society of Nephrology
2017	Whitehall Award for Teaching	UC San Diego School of Medicine
2017	Department of Medicine Chief Residents' Teaching Award	UC San Diego School of Medicine

KEYWORDS/AREAS OF INTEREST

renal pathology, transplant pathology, cytopathology

CLINICAL ACTIVITIES SUMMARY

I am an Assistant Clinical Professor in the department of Pathology at UCSF. I currently do clinical work in cytopathology and renal/transplant pathology.

CLINICAL SERVICES

2017 - present	Pathologist: Renal Pathology and Cytopathology	100%
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MEMBERSHIPS

- 2009 - present College of American Pathologists (CAP)
- 2012 - present United States and Canadian Academy of Pathology
- 2012 - present American Society of Cytopathology
- 2012 - present Renal Pathology Society
- 2012 - present Association of Indian Pathologists in North America
- 2015 - present American Society of Nephrology

SERVICE TO PROFESSIONAL ORGANIZATIONS

- 2015 - present College of American Pathologists Lab Inspector
(Team member)

SERVICE TO PROFESSIONAL PUBLICATIONS

- 2016 - present Diagnostic Pathology, reviewer
- 2016 - present Diagnostic Cytopathology, reviewer

TEACHING SUMMARY

As a faculty member at UCSF, I take an active role in medical student, resident and fellow teaching, in my department and others; through tumor boards, microscopy conferences, student labs, small group discussion sessions and large group format didactic sessions.

FORMAL TEACHING

Not UCSF	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
X	2009 - 2012	2nd year Medical Student Small Group Discussion: Blood vessels, Ischemic heart disease, Valvular heart disease	Leader		20

Not UCSF	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
X	2012 - 2014	2nd and 3rd year Medical Student Labs: Respiratory disease, renal disease, inflammation and repair, cardiovascular disease	Leader		50
X	2012 - 2014	Consolidated nephrology teaching conference; Breast radiology- pathology concordance conference; Colposcopy conference; Thyroid FNA conference; Resident gross conference	Participant		10-30
	2015 - 2016	Transplant renal biopsy conference	Participant	Medicine	2-8
X	2016 - 2017	2nd Year Medical Student Renal Pathology Course	Leader		50
	2017 - present	Cytopathology resident teaching	Leader	Medicine	2
	2017 - present	Renal Pathology resident teaching	Leader	Medicine	2
	2017 - present	Transplant renal biopsy conference	Leader	Medicine	2-8
	2017 - present	Cytology conference at Parnassus	Leader	Medicine	8
	2017 - present	REGN - GI pathology	Leader	Medicine	10
	2017 - present	REGN - Liver pathology	Leader	Medicine	10
	2017 - present	REGN - Renal pathology	Leader	Medicine	10
	2018 - present	ABC - Ischemic heart disease	Leader	Medicine	10

Not UCSF	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2018 - present	ABC - Pulmonary disease	Leader	Medicine	10
	2018 - present	ABC - Lung cancer	Leader	Medicine	10
	2018 - present	Ground school - Ischemic injury	Leader	Medicine	10
	2018 - present	Ground school - Neoplasia	Leader	Medicine	10
	2018 - present	Ground school - Inflammation	Leader	Medicine	10
	2018 - present	Life stages - Placental pathology	Leader	Medicine	10
	2018 - present	Life stages - Prostate pathology	Leader	Medicine	10
	2018 - present	Life stages - Breast pathology	Leader	Medicine	10
	2018 - present	Life stages - GYN pathology	Leader	Medicine	10

INFORMAL TEACHING

- 2009 - 2012 UC Irvine Medical Center Resident/Fellow teaching: Tumor boards and microscopy conferences
- 2012 - 2014 UMASS Medical Center Resident/Fellow teaching: Tumor boards and microscopy conferences
- 2014 - 2015 UC Irvine Medical Center Resident/Fellow teaching: Tumor boards and microscopy conferences
- 2015 - 2016 UCSF Medical Center Resident/Fellow teaching: Microscopy conferences
- 2016 - 2017 UC San Diego Medical Center Resident/Fellow teaching: Tumor boards, monthly renal biopsy conference, microscopy conferences, nephrology conference, daily microscope teaching in renal pathology, cytopathology and breast/gyn pathology

MENTORING SUMMARY

I am currently mentoring (and have mentored in the past) the residents, fellows and pathologists listed below. I have mentored them in clinical work, research projects and career development.

POSTDOCTORAL FELLOWS AND RESIDENTS MENTORED

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2011 - 2012	Abbey Johnston	Yes	Research/Scholarly Mentor, Project Mentor, Co-Mentor/Clinical Mentor	Research and Clinical	Private practice
2016 - 2017	Zeljko Dvanajscak	No	Research/Scholarly Mentor, Project Mentor, Co-Mentor/Clinical Mentor	Research and Clinical	Resident
2016 - 2017	Stephen Castro	Yes	Research/Scholarly Mentor, Co-Mentor/Clinical Mentor	Clinical	Private practice

RESEARCH AND CREATIVE ACTIVITIES SUMMARY

My research interests include native kidney diseases, renal transplantation and cytopathology.

PEER REVIEWED PUBLICATIONS

1. Shieh MP, Reisian N, **Walavalkar V**, Slater LM, Lambrecht N. Excessive therapeutic response in a case of blastic plasmacytoid dendritic cell neoplasm. Clin Adv Hematol Oncol. 2012 Jan; 10(1):56-9. PMID: 22398810
2. **Walavalkar V**, Said B, Dacosta-Iyer M, Ouyang Y. Prostatic adenocarcinoma with solitary metastasis to the uvea. Pathology. 2012 Aug; 44(5):476-9. PMID: 22744168
3. **Walavalkar V**, Oak J, Gu M. Cytological diagnosis of extranodal NK/T-cell lymphoma, nasal type, in cerebrospinal fluid. Cytopathology. 2013 Oct; 24(5):342-4. PMID: 22844965
4. Naemi K, Brynes RK, Reisian N, Johnston A, Dhillon R, **Walavalkar V**, Zhao X, Rezk SA. Benign lymphoid aggregates in the bone marrow: distribution patterns of B and T lymphocytes. Hum Pathol. 2013 Apr; 44(4):512-20. PMID: 23063505
5. **Walavalkar V**, Tommet D, Fischer AH, Liu Y, Papa DM, Owens CL. Evidence for increasing usage of low-grade squamous intraepithelial lesion, cannot exclude high-grade squamous intraepithelial lesion (LSIL-H) Pap test interpretations. Cancer Cytopathol. 2014 Feb; 122(2):123-7. PMID: 23983192

6. **Walavalkar V**, Fischer AH, Owens CL. Cytologic diagnosis of metastatic alveolar rhabdomyosarcoma to the thyroid gland by fine-needle aspiration. *Acta Cytol.* 2014; 58(3):288-92. PMID: 24513670
7. **Walavalkar V**, Patwardhan RV, Owens CL et al. Utility of Liquid-based Cytologic Examination of Distal Esophageal Brushings in the Management of Barrett's Esophagus: A Prospective Study of 45 Cases. *Journal of the American Society of Cytopathology*, Volume 4, Issue 3, 113-21
8. **Walavalkar V**, Fischer AH, Owens CL. Significance of Cytopathologist's Review of Pap Tests Screened as Negative for Intraepithelial Lesion or Malignancy that are Positive for High-Risk Human Papillomavirus. *Journal of the American Society of Cytopathology*, Volume 4, Issue 4, 190-4
9. **Walavalkar V**, Clark JL, Kandil D, Lu S, Edmiston K, Shaw LM, Khan A. Correlation of Oncotype DX Recurrence Score with the Expression of Insulin Receptor Substrate Proteins in Estrogen Receptor+ Breast Cancer. *JCBG Open Access Online*, May 03, 2014
10. Sarkissian S, Kahlon K, **Walavalkar V**, Siaghani P, Tran MH, et al. Renal Manifestations of Alternate Complement Pathway Dysregulation. *J Urol Nephrol.* 2015;2(1):4
11. **Walavalkar V**, Stockl T, Owens CL, Manning M, Papa D, Li A, Khan A, Liu Y. Absence or Presence of High-Grade Squamous Intraepithelial Lesion in Cervical Conization Specimens: A Clinicopathologic Study of 540 Cases. *Am J Clin Pathol.* 2016 Jan; 145(1):96-100. PMID: 26712876
12. Nael A, **Walavalkar V**, Wu W, Nael K, Kim R, Rezk S, Zhao X. CD4-Positive T-Cell Primary Central Nervous System Lymphoma in an HIV Positive Patient. *Am J Clin Pathol.* 2016 Feb; 145(2):258-65. PMID: 27124906
13. Kato S, Goodman A, **Walavalkar V**, Barkauskas DA, Sharabi A, Kurzrock R. Hyperprogressors after Immunotherapy: Analysis of Genomic Alterations Associated with Accelerated Growth Rate. *Clin Cancer Res.* 2017 Aug 01; 23(15):4242-4250. PMID: 28351930. PMCID: PMC5647162
14. Hariri N, Hasteh F, **Walavalkar V**, Roma AA, Fadare O. Estrogen Receptor, Progesterone Receptor, and Human Epidermal Growth Factor Receptor-2 Testing in Breast Cancer: Assessing the Value of Repeated Centralized Testing in Excision Specimens. *Appl Immunohistochem Mol Morphol.* 2017 May 25. PMID: 28549033
15. Hariri N, Roma AA, Hasteh F, **Walavalkar V**, Fadare O. Phenotypic alterations in breast cancer associated with neoadjuvant chemotherapy: A comparison with baseline rates of change. *Ann Diagn Pathol.* 2017 Dec; 31:14-19. PMID: 29146052
16. Fadare O, Roma AA, Parkash V, Zheng W, **Walavalkar V**. Does a p53 "Wild-type" Immunophenotype Exclude a Diagnosis of Endometrial Serous Carcinoma? *Adv Anat Pathol.* 2018 Jan; 25(1):61-70. PMID: 28945609
17. Dvanajscak Z, Karl BE, Sanchez AP, **Walavalkar V**. IgA-Dominant Glomerulopathy and Thrombotic Microangiopathy After Chemotherapy. *Kidney International Reports* 2018 Mar; 3:492– 497.

BOOKS AND CHAPTERS

1. **Walavalkar V** et al (2015), Familial Breast Cancer and Genetic Predisposition in Breast Cancer. in A. Khan et al (Eds): Molecular Pathology Library, Vol. 10, Precision Molecular Pathology of Breast Cancer; New York, Springer-Verlag.

CONFERENCE ABSTRACTS

1. Walavalkar V, Stock P, Urisman A, Laszik Z. Renal Biopsy Characteristics in HIV-Negative to HIV-Positive Kidney Transplants - an Institutional Experience. USCAP 2018 Annual Meeting, Vancouver, BC, Canada
2. Goodman A et al. Analysis of over 100,000 patients with cancer for CD274 (PD-L1) amplification: Implications for treatment with immune checkpoint blockade. ASCO-SITC Clinical Immuno-Oncology Symposium. January 2018, San Francisco
3. Zhang G et al. DESI-MSI Based Spatial Metabolomics Reveals Altered Metabolome and Increased Pseudouridine in Renal Proximal Tubules of Mice with Diabetic Kidney Disease. ASN 2017, New Orleans, LA
4. Tranesh G, Walavalkar V, Hasteh F. Significance of Endocervical Curettage after Normal Colposcopy in the Detection of Cervical Dysplasia. ASC 2017 Annual Scientific Meeting, Phoenix, AZ
5. Walavalkar V et al. A Quantitative CD45 Immunohistochemical Assay Allows Precise and Reproducible Measurement of Inflammation in Renal Transplant Biopsies. ATC 2016, Boston MA
6. Walavalkar V et al. Validation of an Automated Platform to Assess the Total Inflammatory Load in Kidney Transplant Biopsies. USCAP 2016 Annual Meeting, Seattle, WA
7. Barrows B, Walavalkar V, Laszik Z, Jen KY. Prevalence of Glomerular Disease Recurrence in Renal Allografts: A Single Center Study. USCAP 2016 Annual Meeting, Seattle, WA
8. Johnston AR, Walavalkar V, Lu D. Sub-classification of the AUS/FLUS Category of the Bethesda System for Reporting Thyroid Cytopathology. ASC 2015 Annual Scientific Meeting, Chicago, IL
9. Walavalkar V et al. Evaluating the Role of Liquid-Based Cytologic Examination of Distal Esophageal Brushings in the Management of Barrett's Esophagus: A Prospective Study of 45 Cases. 2014 European Congress of Cytology, Geneva, Switzerland
10. Walavalkar V et al. Ultrasound Gel Contamination Causes Background Staining in Immunohistochemistry with Ventana's Automated Immunohistochemical Stainer. ASC 2014 Annual Scientific Meeting, Dallas, TX
11. Walavalkar V et al. Slug and IMP3 Are Co-Expressed in BRCA Positive Triple Negative Breast Cancers. Mod Pathol 27(suppl), 34-90. USCAP 2014 Annual Meeting, San Diego, CA
12. Hultman R, Walavalkar V, Khan A, MacMaster S. Granulomatous Lobular Mastitis: A Benign Chronic Inflammatory Disease That Can Mimic Breast Cancer. American Roentgen Ray Society (ARRS) 2014 Annual Meeting, San Diego, CA

13. Vijayaraghavan G, Hultman R, Walavalkar V et al. Radiologic-Pathologic Correlation of Uncommon Breast Lesions: Thinking Beyond Routine Pathologies. Radiological Society of North America (RSNA) 2013 Scientific Assembly and Annual Meeting, Chicago, IL
14. Walavalkar V et al. Diffuse Large B-cell Lymphoma with Lack of Surface Immunoglobulin Light Chain Expression by Flow Cytometry: Morphology, Flow Cytometry, and Immunohistochemistry. *Am J Clin Pathol.* 2010;134(suppl):58. ASCP 2010 Annual Meeting, San Francisco, CA
15. Walavalkar V et al. Sex Cord/Gonadal Stromal Tumor, Incompletely Differentiated, Low Malignant Potential. *Arch Pathol Lab Med.* 2009 Oct;133(10):1656. CAP 2009 Annual Meeting, Washington D.C.