

PAUL J. MICHAELS, M.D.

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PROFESSIONAL EXPERIENCE

January 2021 – Present

Pathologist at Pathology Consultants

Coos Bay, OR

- Member of ~10 pathologist group that operates the largest and most comprehensive anatomic pathology services laboratory within Central and Coastal Oregon.
- One of 2 pathologists responsible for covering Bay Area Hospital, the largest hospital on the Oregon Coast, which serves as a regional referral center.
- Bay Area Hospital
 - Chairman of Pathology and member of Hospital Medical Executive Committee (1/2022-Present)
 - Medical Director for Transfusion Medicine, Hematology, and Cytopathology (1/2021-Present)
 - Member of Cancer Committee
 - Member of Trauma Committee
- Southern Coos Hospital and Medical Center
 - Laboratory Medical Director (1/2021–Present)
- Anatomic pathology responsibilities include frozen sections, gross evaluation and sign-out of complex surgical specimens, review of numerous outpatient biopsies, GYN and NON-GYN cytology, presentation at tumor board conferences, and performing hospital autopsies
- Clinical pathology responsibilities include peripheral blood smear and body fluid review, crystal identification, and evaluation of blood transfusion reactions

February 2013 – December 2020

Pathologist and Shareholder at Clinical Pathology Associates

Austin, TX

- Member of ~50 pathologist group that covers several major hospitals in the Central Texas region (including the Austin area and surrounding communities, San Marcos, Waco, and San Antonio)
 - Vice President (2018–2020) and Director of the Operations Committee
- Anatomic pathology responsibilities include frozen sections, ROSE, fine needle aspiration of superficial sites, sign-out of complex surgical specimens, review of numerous outpatient biopsies, GYN and NON-GYN cytology, presentation at tumor board conferences, and performing hospital autopsies
- Clinical pathology responsibilities include peripheral blood smear and body fluid review, crystal identification, assessment of blood transfusion reactions and RBC antibody serology work-ups, TEG analysis, and evaluation of protein electrophoresis panels
- St. David's Medical Center:
 - Chairman of Pathology (2020):
 - Member of the hospital Medical Executive Committee (2020)
 - Member of Quality Committee (2018–2020)
 - Member of Infection Prevention Committee (2018 –2020)
 - Pathology representative of region-wide St. David's Healthcare Lung Cancer Working Group (2015–2020)
- Laboratory Medical Director for:
 - First Texas Hospital, Houston, Texas (2016-2020)
 - Clinical Pathology Laboratories North Stat Laboratory (2013-2020)
 - Clinical Pathology Laboratories South Stat Laboratory (2013-2020)
- College of American Pathologists (CAP) Inspections:

- Team Leader (June 2014)

July 2006 – January 2013

Pathologist at Laboratory Medicine Consultants/Aurora Diagnostics Las Vegas, NV

- Member of a ~18 pathologist group that covered several hospitals in the southern Nevada and northwestern Arizona region
 - Steering/Executive Committee Member (2009-2013)
- Anatomic pathology responsibilities include frozen sections, sign-out of complex surgical specimens, review of numerous outpatient biopsies, GYN and NON-GYN cytology, coverage of outpatient FNA clinic, presentation at numerous tumor board conferences, and performing hospital autopsies
- Clinical pathology responsibilities include peripheral blood smear and body fluid review, crystal identification, assessment of blood transfusion reactions, protein electrophoresis and immunofixation analysis, and interpretation of various chemistry, lipid, coagulation, and serologic laboratory test panels
- MountainView Hospital:
 - Laboratory Medical Director (2010-2013)
 - Member of the Medical Executive Committee (2010-2013)
 - Member of the Quality Council (2010-2013)
- Sunrise Hospital and Medical Center:
 - Cancer Conference Coordinator (2007–2009)
 - Cancer Program Activity Coordinator (2007–2009)
- Outpatient Cytopathology Laboratory Director (2007–2010)
- College of American Pathologists (CAP) Inspections:
 - Team Leader (September 2009, August 2010)
 - Team Member (March 2007, September 2010)
- In 2012, was voted a “Top Doctor” in Pathology in Las Vegas, NV by Consumers’ Checkbook of Washington, D.C., published in *Vegas Seven* magazine (2/23/2012).
 - Received the most votes of any pathologist in the city

October 2004 – June 2006

Locum Tenens Pathologist at Commonwealth Pathology Partners Salem, MA

- Independently performed autopsies at North Shore Medical Center that occurred during the weekends and holidays
- Prepared and signed-out (cosigned) the autopsy reports with an attending/supervising pathologist

EDUCATION/CLINICAL TRAINING

July 2005 – June 2006

Cytopathology Fellowship, Massachusetts General Hospital/Harvard Medical School

- Included Elective Subspecialty GYN and GI pathology sign-out (1-month each)

June 2001 – June 2005

Anatomic/Clinical Pathology Residency, Massachusetts General Hospital/Harvard Medical School

- Chief Resident, Anatomic Pathology (June 2004 – November 2004)
- Resident Representative for Mentoring, American Society of Cytopathology, Ethics and Conduct Committee (2004–2006)

August 1996 – June 2001

Doctorate of Medicine, University of California, Los Angeles

- Post Sophomore Fellowship in Anatomic/Clinical Pathology, Combined UCLA/Cedars Sinai Program (June 1998 – June 1999)
- Alpha Omega Alpha Honor Society (Elected 2001)

September 1992 – September 1995

Bachelor of Science, University of California, Irvine

- Major in Biological Sciences with a Minor in Microbiology, *Cum Laude*
- Awarded “Excellence in Research” Award
- Phi Beta Kappa Honor Society (Elected 1995)
- UC Regents Scholar (1992–1995)
- Golden Key National Honor Society

ACADEMIC APPOINTMENTS

January 2023 – Present

Clinical Assistant Professor in the Department of Pathology & Laboratory Medicine, Oregon Health & Science University (OHSU)

- Recipient of the OHSU Department of Pathology “Most Innovative Teaching Award,” 2022-2023

March 2018 – December 2020

Assistant Professor of Diagnostic Medicine, Dell Medical School, The University of Texas at Austin

- Division Chief of Head and Neck Pathology
- Dell Medical Admissions Applicant Review Committee Member
- Faculty Senate, member

June 2009 – June 2013

Adjunct Associate Professor of Pathology, Touro University of Nevada, College of Osteopathic Medicine

June 2001 – June 2006

Clinical Fellow/Instructor in Pathology, Harvard Medical School

- Focus on teaching medical renal pathology to second year medical students.

CERTIFICATION

October 2006 – Present

American Board of Pathology, Cytopathology (Time Limited, Recertified - March, 2015)

August 2005 – Present

American Board of Pathology, Anatomic and Clinical Pathology (Time Unlimited)

MEDICAL LICENSURE

Oregon (License # MD201747)

California (License # C55645)

PROFESSIONAL ORGANIZATIONS

American Medical Association (AMA)

Oregon Medical Association (OMA)

American Society of Cytopathology (ASC)

American Society of Clinical Pathology (ASCP)

College of American Pathologists (CAP)

United States and Canadian Academy of Pathology (USCAP)

AD HOC REVIEWER

Cancer Cytopathology

American Journal of Clinical Pathology

ACADEMIC PUBLICATIONS

Yeager TS, Stroh BC, El Youssef R, and **Michaels PJ**. Ectopic Prostatic Tissue Involving the Omentum and Presenting with Intussusception and Small Intestinal Obstruction: A Report of a Rare Case with a Review of the Literature. *Human Pathology Reports*. 2022;30:300679.

Pusztaszeri M, Wang H, Cibas ES, Powers CN, Bongiovanni M, Ali S, Khurana KK, **Michaels PJ**, and Faquin WC. Fine-needle Aspiration Biopsy of Secondary Neoplasms of the Thyroid Gland: a Multi-institutional Study of 62 Cases. *Cancer Cytopathol*. 2015;123:19-29.

Lewis Jr. BA, Zebrowski B, Yumiaco NS, **Michaels P**, and Erling M. Case Report of Paratesticular Liposarcoma with Metachronous Large Renal Cell Carcinoma. *Curr Urol*. 2010;4:162-163.

Pitman MB, **Michaels PJ**, Deshpande V, Brugge WR, and Bounds BC. Cytological and Cyst Fluid Analysis of Small (<3 cm) Branch Duct Intraductal Papillary Mucinous Neoplasms Adds Value to Patient Management Decisions. *Pancreatology*. 2008;8:277-84.

Michaels PJ, Brachtel EF, Bounds BC, Brugge WR, and Pitman MB. Intraductal Papillary Mucinous Neoplasms (IPMN) of the Pancreas: Cytologic Analysis and Correlation with Histologic Grade. *Cancer*. 2006;108:163-73.

Steele DJ and **Michaels PJ**. Case Records of the Massachusetts General Hospital. Weekly Clinicopathological Exercises. Case 40-2004- A 42-year-old Woman with Long-Standing Hematuria. *N Engl J Med*. 2004;351:2851-9.

Michaels PJ, Espejo ML, Kobashigawa J, Alejos JC, Burch C, Takemoto S, Reed EF, and Fishbein MC. Humoral Rejection in Cardiac Transplantation: Risk Factors, Hemodynamic Consequences and Relationship to Transplant Coronary Artery Disease. *J Heart Lung Transpl*. 2003;1:58-69.

Michaels PJ, Fishbein MC, and Colvin RB. Humoral Rejection in Human Transplantation. *Springer Semin Immunopathol*. 2003;25:119-140.

Marchevsky AM, Lau SK, Khanafshar I, Ockhart C, Phan A, **Michaels PJ**, and Fishbein MC. Internet Teleconferencing Method for Telepathology Consultations from Lung and Heart Transplant Patients. *Hum Pathol*. 2002;33:410-4.

Michaels PJ, Kobashigawa J, Laks H, Azarbal A, Espejo ML, Chen L, and Fishbein MC. Differential Expression of RANTES Chemokine, TGF- β , and Leukocyte Phenotype in Acute Cellular Rejection and Quilty B Lesions. *J Heart Lung Transpl*. 2001;20:407-16.

Michaels PJ, Kobashigawa J, Child JS, and Fishbein MC. Chronic Right Sided Myocarditis Mimicking Arrhythmogenic Right Ventricular Dysplasia. *Hum Pathol*. 2000;31:618-21.

Michaels PJ and Mautz WJ. Effects of Inhaled Ozone and Formaldehyde on Tracheal Epithelial Secretion of Rats Exposed During Rest and Exercise. *Journal of Undergraduate Research in the Biological Sciences*. 1995;25:779-90. (UC Irvine Publication)

PRESENTATIONS

INVITED TALKS:

November, 2023

“*The Use of Ancillary Techniques in the Practice of Rural Pathology*” at New York Presbyterian/Weill-Cornell University, New York, New York. Invited Speaker.

March 2022

“*Cervical Cancer Screening: An Update*” at Bay Area Hospital, Coos Bay, Oregon. Invited Grand Rounds Speaker.

November 2019

“Recognition of Germline Mutations in General Surgical Pathology” at University of Texas Medical Branch at Galveston, Department of Pathology. Invited Speaker.

August 2018

“Screening Laboratory Tests: Recent Guidelines from the Newborn Nursery to the Nursing Home” at St. David’s Medical Center, Austin, Texas. Invited Grand Rounds Speaker.

May 2018

“Interesting FNA Cases from a Busy Outpatient Clinic” at George Washington University and Health Sciences, Department of Pathology. Invited Speaker.

April 2015

“The Surgical Pathology of Dysphonia” for the Masters Program in Speech and Language Pathology at University of the Pacific, Stockton, California. Invited Speaker.

January 2014

“Sin City Cytology” at University of Colorado, Denver, Department of Pathology and Laboratory Medicine. Invited Grand Rounds Speaker.

“Cytology Jeopardy” at University of Colorado, Denver, Department of Pathology and Laboratory Medicine. Invited Unknown Conference for Residents.

March 2013

“Confounding Metastatic Breast Cancer Controversy” presented at the 23rd Annual National Interdisciplinary Breast Center Conference for the National Consortium of Breast Centers. Planet Hollywood Resort & Casino. Las Vegas, Nevada. Invited Speaker.

March 2012

“Interesting Cases: What Would You Have Done?” presented at the 22nd Annual National Interdisciplinary Breast Center Conference for the National Consortium of Breast Centers. Paris Las Vegas Hotel & Casino. Las Vegas, Nevada. Invited Speaker and Panelist.

November 2010

“Cytology From Sin City 2” at Massachusetts General Hospital and Brigham and Women’s Hospital, Departments of Pathology, Harvard Medical School. Invited Speaker.

February 2009

“Cytology From Sin City” at Massachusetts General Hospital, Brigham and Women’s Hospital, and Beth Israel Deaconess, Departments of Pathology, Harvard Medical School. Invited Speaker.

December 2003

“Thin Basement Membrane Nephropathy and Alport Syndrome” at Massachusetts General Hospital, Clinicopathologic Conference (Published in *N Engl J Med*), Harvard Medical School.

PLATFORM PRESENTATIONS:

Michaels PJ, Brachtel EF, Bounds BC, Brugge WR, and Pitman MB. Intraductal Papillary Mucinous Neoplasm (IPMN) of the Pancreas: Cytologic Analysis and Correlation with Histologic Grade. Annual Meeting of United States and Canadian Academy of Pathology. March 2004. Vancouver, British Columbia, Canada.

Michaels PJ, Kobashigawa J, Laks H, Azarbal A, Espejo ML, Chen L, and Fishbein MC. Differential Expression of RANTES Chemokine and Leukocyte Phenotype in Acute Cellular Rejection and Quilty B Lesions. 20th International Society of Heart and Lung Transplantation Annual Meeting. April, 2000. Osaka, Japan.

Kakkis JL, **Michaels PJ**, Ma JP, Ke B, Kupiec-Weglinski J, Imagawa DK, and Busuttill RW. Pravastatin Prolongs Rat Survival after Orthotopic Liver Transplantation by Decreasing the

Expression of β 2-Glycoprotein-1 and Proinflammatory Cytokines. World Congress of the Transplantation Society. July 12-17, 1998. Montreal, Quebec, Canada.

POSTER PRESENTATIONS:

Michaels PJ, Bounds BC, Brugge WR, Lewandrowski K, Pitman MB. The Clinical Utility of Cyst Fluid Analysis in Conjunction with Cytological Evaluation in the Preoperative Characterization and Subclassification of Pancreatic Mucinous Cysts. 52nd American Society of Cytopathology Annual Meeting. November, 2004. Chicago, IL.

Michaels PJ, Brachtel EF, Bounds BC, Brugge WR, and Pitman MB. Intraductal Papillary Mucinous Neoplasms (IPMN) of the Pancreas: Cytologic Analysis and Correlation with Histologic Grade. Massachusetts General Hospital Clinical Research Day. June, 2004. Boston, MA.

Michaels PJ, Kobashigawa J, Espejo ML, Alejos JC, Burch C, and Fishbein MC. Humoral Rejection in Cardiac Transplantation: Recent UCLA Experience. Sixth Banff Conference on Allograft Pathology. April, 2001. Banff, Canada.

Marchevsky A, Lockhart C, Phan A, **Michaels PJ**, and Fishbein MC. Web-based Teleconferencing Techniques as Inexpensive Tools for Transplant Patients. 2000 Annual Meeting of United States and Canadian Academy of Pathology. March, 2000. New Orleans, LA.

Kakkis JL, Schmit P, **Michaels PJ**, and Thompson J. Management of Gallstone Disease During Pregnancy in the Era of Laparoscopic Cholecystectomy. The Southwestern Surgical Congress. April, 1999. Coronado, CA.

Kakkis JL, **Michaels PJ**, Ke B, Zhao D, Kato H, Imagawa D, Kupiec-Weglinski JW, and Busuttill RW. Treatment with Pravastatin Ameliorates Rejection and Improves Survival in Liver Transplanted Rats. International Congress on Immunosuppression. December 1998. Orlando, FL.

Kakkis JL, **Michaels PJ**, Gornbein J, Terasaki P, Imagawa D, Busuttill R. Multivariate Analysis of Risk Factors in 1,008 Orthotopic Liver Transplant Recipients Reveals Significant Influence of Panel Reactive Antibody on Patient and Graft Survival. Annual Meeting of the American College of Surgeons, October 1998. Orlando, FL.

Kakkis JL, **Michaels PJ**, Ma JP, Ke B, Kupiec-Weglinski J, Imagawa DK, and Busuttill RW. Pravastatin-induced Survival in Rat Orthotopic Liver Transplantation is Accompanied by Diminished Expression of β 2-Glycoprotein-1 and Proinflammatory Cytokines. American Society of Transplant Physicians. May, 1998. Chicago, IL.

Michaels PJ, Ma J, Zhao D, Imagawa D, Busuttill R, and Kakkis JL. Pravastatin Treatment is Associated with Downregulation of TGF- β and TNF- α in Liver Transplanted Rats. 1997 Short Term Training Program Poster Session. Los Angeles, CA.

Kakkis JL, **Michaels PJ**, Ma JP, Ke B, Zhao D, Imagawa DK, and Busuttill RW. Analysis of Genetic Modifications in Liver Transplanted Rats Utilizing Messenger RNA Differential display. American Society of Transplant Surgeons. May, 1997. Chicago, IL.