

Miguel Rufail, MD, PhD



Assistant Professor of Pathology
Virginia Commonwealth University
Department of Pathology
Office: (804) 828-9739
Email: Miguel.Rufail@vcuhealth.org

Education

1997-2003 MD, Catholic University of Cordoba

2003-2007 PhD, Virginia Commonwealth University

2014-2018: Anatomic and Clinical Pathology Resident, Thomas Jefferson University Hospital, Department of Pathology

2018-2019: Cytopathology Fellow, University of Michigan, Department of Pathology

2019-2020: Surgical Pathology Fellow, Penn Medicine-Pennsylvania Hospital, Department of Pathology Surgical Pathology

Licenses & Certifications

Licenses

Commonwealth of Pennsylvania

Commonwealth of Virginia

Board certifications

2018 Anatomic Pathology/Clinical Pathology, American Board of Pathology

2019 Cytopathology, American Board of Pathology

Selected Awards & Honors

National Academy of Clinical Biochemistry (NACB) Distinguished Abstract.

American Association of Clinical Chemistry (AACC) 2015 Annual Meeting and Clinical Lab Expo. July 26-30. Georgia World Congress Center. Atlanta, GA.

Postdoctoral Grant, National Agency for Scientific and Technological Progress

(FONCYT). Center of Immunology and Clinical Biochemistry (CIBICI), School of Chemical Sciences, National University of Cordoba, 2008.

Outstanding Presentation Award, Integrative Cellular and Molecular Signaling (ICAMS) Research Retreat. Medical College of Virginia, Virginia Commonwealth University. October 21, 2006.

Outstanding Graduate Research, 33rd Annual John C. Forbes Research Colloquium. Medical College of Virginia, Virginia Commonwealth University, May 16-17, 2006.

VCU Graduate School Travel Grant to present at the 7th Annual Conference on Atherosclerosis, Thrombosis and Vascular Biology. Denver, Colorado, April 27-29, 2006.

Professional Service (outside)

2022-2024 Jefferson Health, Pathologist, Anatomic Pathology, Clinical Pathology, Cytopathology

2020-2022: Penn Medicine Lancaster General Hospital. Pathologist. Anatomic Pathology, Clinical Pathology, Cytopathology

2009-2013 Assistant Professor, Department of Pathology, School of Medicine, Catholic University of Cordoba, Argentina

2008-2009 Assistant Professor, Center of Immunology and Clinical Biochemistry (CIBICI), School of Chemical Sciences, National University of Cordoba. Cordoba, Argentina

Recent Invited Presentations

Rufail ML (Grand Round) Next-generation sequencing identifies recurrent copy number variations in invasive breast carcinomas from Ghana/Comparison of diagnostic Rates and concordance with subsequent surgical resections between sonventional smear and ThinPrep preparations versus ThinPrep only in thyroid fine needle aspiration (T-FNA) Specimens. University of Pittsburgh Medical Center (UPMC). Department of Pathology. Pittsburgh, Pennsylvania, March 31, 2022.

Rufail ML, Tondon R, Fogt F, Mannan R. Glycogenic Acanthosis of the Esophagus: Clinical, Endoscopic and Histologic Correlation. United States and Canadian Academy of Pathology (USCAP) 109th Annual Meeting Feb 29-March 5. Los Angeles Convention Center. Los Angeles, CA. *Modern Pathology* 2020; 33 (suppl 2): pages 759-760.

Rufail ML. "Basal-like Breast Cancer: Histological and molecular classification and characteristics in women of African origin" Invited Lecturer: University of Louisville, Louisville, KY. January 14, 2020.

Rufail ML. "Basal-like Breast Cancer: Histological and molecular classification and characteristics in women of African origin" Guest Speaker: Pathology Special Seminar. **University of Alabama**, Department of Pathology. Birmingham, Alabama. December 9, 2019.

Rufail ML, Anwar T, Newman L, Tomlins S, Kleer CG. High Copy Number and Expression of RECQL4 and SDHC in Breast Tumors of Ghana Patients. United States and Canadian Academy of Pathology (USCAP) 108th Annual Meeting March 16-21. Gaylord National Resort and Convention Center. National Harbor, MD (platform presentation). *Modern Pathology* 2019; 32 (suppl 2): page 129.

Rufail ML, Smola Brian, Jing X, Heider A, Davenport R, Cantley R, Pang JC, Lew M. A Comparison of Diagnostic Rates and Concordance in Different Preparations for Thyroid Fine Needle Aspirations (T-FNA). United States and Canadian Academy of Pathology (USCAP) 108th Annual Meeting March 16-21. Gaylord National Resort and Convention Center. National Harbor, MD. *Modern Pathology* 2019; 32 (suppl 2): pages 106-107.

Rufail ML, Lew M, Cantley R. Low grade squamous intraepithelial lesion on Pap test – impact of hrHPV test results on clinical decision making and outcomes. United States and Canadian Academy of Pathology (USCAP) 108th Annual Meeting March 16-21. Gaylord National Resort and Convention Center. National Harbor, MD. *Modern Pathology* 2019; 32.

Rufail ML, McCloskey LJ, Stickle DF. Potassium vs. hematocrit filter paper bloodspots: effect of large differences in potassium per unit area between center circular punch samples vs. outer annular remainder samples. American Association of Clinical Chemistry (AACC) 2015 Annual Meeting and Clinical Lab Expo. July 26-30. Georgia World Congress Center. Atlanta, GA.

Rufail ML, Schenkein HA, Barbour SA, Tew JG, van Antwerpen R. Altered lipoprotein subclass distribution, paf-ah, and anti-cardiolipin antibodies in periodontitis. 35th Annual Meeting & Exhibition of the American Association of Dental Research (AADR). 83rd Annual Session & Exhibition of the American Dental Education Association (ADEA). 30th Annual Meeting of the Canadian Association for Dental Research (CADR). March 8-11, 2006. Orlando, Florida.

Rufail ML, Schenkein HA, Barbour SA, Tew JG, van Antwerpen R. Atherogenic Lipoprotein changes correlate with severity of periodontal infection. American Heart Association. 7th Annual Conference on Arteriosclerosis, Thrombosis and Vascular Biology. April 27-29, 2006. Denver, Colorado.

Rufail ML, Ramage SC, van Antwerpen R. C-reactive protein inhibits in vitro oxidation of low density lipoprotein. Integrative Cellular and Molecular Signaling (ICAMS) Research Retreat. October 21, 2006. Medical College of Virginia, Virginia Commonwealth University.

Rufail ML, Schenkein HA, Koertge TE, Best AM, Barbour SE, Tew JG, van Antwerpen R. Atherogenic lipoprotein parameters in patients with aggressive periodontitis. Integrative Cellular and Molecular Signaling (ICAMS) Research Retreat. October 2006. Medical College of Virginia, Virginia Commonwealth University.

Selected Publications

Peer Reviewed Papers

Rufail ML, Smola Brian, Jing X, Heider A, Davenport R, Cantley R, Pang JC, Lew M. A comparison of diagnostic rates and concordance with subsequent surgical resections between conventional smear and ThinPrep preparations vs. ThinPrep only in thyroid fine needle aspiration (T-FNA) specimens. *Acta Cytol.* 2022;66(1):36-45. PMID: 34753139.

Briguglio A, King BE, Pierre CC, Feldman MD, Montone KT, **Rufail ML**, Mothers with Fetal Demise: A Case Series of Placental Pathology Associated with COVID19. *Journal of Lancaster General Hospital.* 2022.

Anwar T, **Rufail ML (co-first author)**, Djomehri S, Gonzalez M, Lazo de la Vega L, Tomlins S, Newman, Kleer CG. Next Generation Sequencing Identifies Recurrent Copy Number Variations in invasive Breast Carcinomas from Ghana. *Modern Pathology.* 2020 Mar 9. PubMed PMID: 32152520.

Rufail ML, Lew M, Heider A, Jing X, Pang JC, Cantley R. Low grade squamous intraepithelial lesion on Pap test – follow up rates and stratification of risk for high grade squamous intraepithelial lesion. *Journal of the American Society of Cytopathology*. Jul Aug 2020;9(4):258-265. Epub April 1, 2020. PubMed PMID: 32402830.

Man L, Ofosu A, Spataro J, Zabolotsky A, **Rufail ML**, Jesse Civan. Graft Versus Host Disease, a rare complication after Orthotopic Liver Transplantation. *Clinical Case Reports*. 2017 Dec 7; 6(1):238-239. PubMed PMID: 29375877.

Alyemni D, Miller AF, Couto P, Athas D, Roberts AL, **Rufail ML**, Andrews DW, Strayer D, Kenyon LC. Histopathologic Identification of Trypanosoma Cruzi (Chagas) Encephalitis in an AIDS Patient. *Human Pathology Case Reports*. Vol 7, Mar 2017, 23- 26.

Rufail ML, McCloskey LJ, Stickle DF. Use of potassium to estimate hematocrit in filter paper bloodspots: advantage of determination using annular perimeter samples *Clinical Chemistry and Laboratory Medicine*. Jan 1; 55 (1):53-57. (2017). PubMed PMID: 27331309.

Tatarian T, Sokas C, **Rufail M**, Lazar M, Malhotra S, Palazzo JP, Hsu E, TsangarisT, Berger AC (2016). Intraductal Papilloma with Benign Pathology on Breast Core Biopsy: To Excise or Not? *Annals of Surgical Oncology*. Mar 9. (2016). PubMed PMID: 26960929.

Williams, NL, Palmer JD, Bar-Ad V, Anne PN, Sama AR, Weinstein JC, **Rufail ML**, Yeo CJ, and Hurwitz MD. Hepatoid Carcinoma of the Pancreas: A Case Report and 2 Review of the Literature. *Case Reports in Pancreatic Cancer*. Volume 1.1, (2015). PubMed PMID: 30631801.

Rufail ML, Schenkein HA, Koertge TE, Best AM, Barbour SE, Tew JG, van Antwerpen R Atherogenic lipoprotein parameters in patients with aggressive periodontitis. *Journal of Periodontal Res*. Dec; 42 (6): 495- 502 (2007). PubMed PMID: 17956461.

Rufail ML, Ramage SC, van Antwerpen R C-reactive protein inhibits in vitro oxidation of low-density lipoprotein. *Febs Letters*. Oct 2; 580 (22): 5155-60. (2006). PubMed PMID: 16962105.

Rufail ML, Schenkein HA, Barbour SE, Tew JG, van Antwerpen R Altered lipoprotein subclass distribution and paf-ah activity in subjects with generalized aggressive periodontitis. *Journal of Lipid Research*. Dec; 46 (12): 2752-60. (2005). PubMed PMID: 16179738.

Book Chapters

Collaborator in Cell Biology Book: "Bases of Cellular and Molecular Biology"
Sambuello RH et al. I.S.B.N. 978-987-1253-86-9. August 2011. SIMA EDITORA.
Cordoba, Argentina.