

Personal Information

Full Name: Adele O. Kraft, M.D.

Title: Director, Fine Needle Aspiration Services, Assistant Director, Cytopathology Fellowship

Business Name: Virginia Commonwealth University Health Science

Business Address: 1200 East Marshall Street
Gateway Building, 6th floor, Richmond, VA 23298

Phone: 804-628-5383

Email: adele.kraft@vcuhealth.org

Languages Spoken: English: fluent, Portuguese: fluent, French: fluent, Spanish: proficient in reading and speaking; basic level writing, Italian: proficient in reading, intermediate in speaking; basic level writing

Professional Summary

Primary Departmental Specialization Area/Field

Cytopathology and Surgical Pathology

Areas of Expertise and Interest

Cytopathology with emphasis on thyroid

Ultrasound-Guided Fine-Needle Aspiration of superficial masses

Utilization of Cytological specimens for molecular testing

Digital pathology and Telepathology utilization

Thyroid and Head and Neck Surgical Pathology

Education

Post Graduate

Fellowship, Cytopathology, Virginia Commonwealth University, Richmond, VA
07/2011 - 07/2012

Residency, Anatomic Pathology, State University of New York, Syracuse, NY
07/1989 - 07/1992

Postdoctoral Research Fellowship, Experimental Pathology (PI: Peter Jensen, MD),
Emory University, Atlanta, GA
07/1986 - 05/1989

Graduate

Post-Baccalaureate Certificate, Medical Education, Virginia Commonwealth University,

Richmond, VA
08/2013 - 08/2017

M.D. degree, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil
07/1979 - 12/1985

Undergraduate

N/A (Medical School in Brazil is a 6-year program equivalent to Undergraduate + Graduate)

Certification & Licensure

Licensure

Virginia: Full medical license
03/2012

Minas Gerais State, Brazil: Full medical license
11/1992

Certification

American Board of Pathology (Cytopathology)
08/2013

College of American Pathologists, certificate of Recognition in Ultrasound-Guided Fine-Needle Aspiration
10/2011

American Board of Pathology (Anatomic Pathology)
08/2006

Brazilian Board of Pathology (Anatomic Pathology)
06/2005

Hospital Appointments

Virginia Commonwealth University Medical Center
08/2012 - Present

Academic Appointment History

Pathology Department, School of Medicine, Virginia Commonwealth University,
Assistant Professor (non-tenure track)
08/2012 - Present

Anatomic Pathology Department, Basic Sciences Institute, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, Substitute Professor
07/1992 - 06/1993

Employment History

Medical Director, Cytopathology, Department of Pathology, VCU Medical Center,
Richmond, VA
07/2014 - 07/2018

Medical Director, Fine Needle Aspiration Services, Department of Pathology, VCU
Medical Center, Richmond, VA
07/2013 - 07/2014

Associate Director, Ultrasound-Guided FNA Service, Department of Pathology, VCU
Medical Center, Richmond, VA
08/2012 - 06/2013

Staff Pathologist, Department of Pathology, VCU Medical Center, Richmond, VA
08/2012 - Present

Associate Director, Cytopathology Fellowship, Department of Pathology, VCU Medical
Center, Richmond, VA
07/2014 - Present

Founder and Director, "CitoKraft Laboratory", Belo Horizonte, MG, Brazil
Description: private laboratory, providing Anatomic Pathology and Cytopathology
services to hospitals and clinics, located in a major medical center with 2.5 million
population.

Solo pathologist practice

Palpation-guided FNA clinic for superficial masses

CitoKraft Laboratory workload in 2010:

-1800 surgical specimens

-5800 gynecologic cytology (conventional smears),

-2100 non-gynecological cytology (>85% thyroid FNAs)

Managed staff comprised of 1 cytotechnologist, 3 full-time technicians and 4
administrative personnel
11/1992 - 04/2011

Responsible for the Anatomic Pathology services of the Dom Bosco Hospital, a 120-bed
community hospital located in Venda Nova, MG - Brazil
02/1993 - 06/2001

Society Memberships

VCU Massey Cancer Center Molecular Genetics Program
07/2014 - Present

United States and Canadian Academy of Pathology
01/2011 - Present

American Society of Cytopathology
07/2010 - Present

Brazilian Society of Pathology/IAP
01/1997 - Present

American Society of Clinical Pathology
01/1996 - Present

Brazilian Medical Association
01/1992 - Present

American Medical Association
01/2017 - 12/2017

College of American Pathologists
01/2006 - 12/2014

Scholarly Activities

Expert Services

Editorial Advisory Board, Cancer Cytopathology Journal
01/2018 - Present

Ad-Hoc Reviewer, Journal of the American Society of Cytopathology
01/2017 - Present

Ad-Hoc Reviewer, Journal of Visualized Experiments
01/2014 - Present

Proposal Reviewer, 2nd Medical Education Symposium (2018), VCU School of Medicine, Richmond VA

Guest Editor, American Journal of Surgical Pathology Reviews and Reports (Ultrasound and Fine Needle Aspiration Biopsy Volume 23(4) - July/August 2018)
01/2018 - 07/2018

Member, Editorial Review Board, Cancer Cytopathology Journal
01/2015 - 12/2017

Ad-Hoc Reviewer, Cancer Cytopathology Journal
01/2013 - 12/2014

Member, thesis exam committee, Gynecologic Cytology Graduate Program, College of Pharmacy, Universidade Federal de Minas Gerais, Brazil.
2001 - 2001

Grants and Contracts: Active

Project #RSG-17-064-01-TBE; Novel Phosphoinositide-Regulated signaling Nexus in Tumor Suppression; PI: Yue Sun, PhD; Funding: American Cancer Society; my role: Co-PI, histological examination of tissue microarrays and animal tissue samples; 5% effort; total grant \$165,000.00

07/2017 - 07/2021

Project #: 1R03DE025893-01A1; Novel Phosphoinositide-Regulated pathway in Mig6 Expression and HNSCC response to Anti-EFGR therapy; PI: Yue Sun PhD; Funding Source: NIH; my role: Co-PI, histological examination of tissue microarrays and animal tissue samples for test selection; 3% effort; total grant \$150,000.00

07/2016 - 07/2018

Prevalence and Molecular Characterization of Noninvasive Follicular Thyroid Neoplasm with Papillary-Like Nuclear Features (NIFTP): A Single Institutional Review; my role: principal investigator; funding source: Pathology Department VCUHS; faculty research award; amount: \$3500.

07/2017 - 08/2018

Grants and Contracts: Pending

Title: An Endosomal Phosphatidylinositol Phosphate 5-kinase in the Control of Cell Signaling; PI: Yue Sun, PhD; source of funds: NIH; grant type: R01; role on project: Co-PI, responsible for histopathological examination of animal tissues and selection of tissues for testing; percent effort 3%. Submitted 10/2017.

10/2017

Advising and Mentoring

Health Science Students

2014 to present: Teaching, general supervision of activities and project mentoring for Cytotechnology students from Old Dominion University who rotate in the Cytopathology Laboratory for one month each. Two students/year; 20 hours/year.

Cytotechnology staff

2012 to present: Mentoring Cytotechnologists in an effort to develop individual capabilities beyond traditional slide screening roles to better adapt to a changing professional environment.

Cytotechnologist skills

Successful mentoring in acquiring the following

Narjes Mousavi	performance of RISH assays; assistance in
Ultrasound-Guided FNAs	
Kaitlin Simmons	performance of RISH assays
Mary Ellen Clark	assistance in Ultrasound-Guided FNAs; Cerner/LIS
report interface testing	
Ron Encarnacion	assistance in Ultrasound-Guided FNAs; whole slide
imaging digitalization (histology and cytology)	
Petrena Simmons-McIntosh	assistance in Ultrasound-Guided FNAs
Chen Chang	assistance in Ultrasound-Guided FNAs

2012 to present: Project mentoring resulting in Cytotechnologists presenting as 1st authors a total of 3 workshops, 2 oral platform presentations and 8 posters at national scientific meetings as well as 1 webinar.

Pathology Residents

2012 to present: Project mentoring resulting in 5 posters with residents as 1st authors, presented at national scientific meetings.

2014 and 2015: Mentor for Laura Warmke MD. Monthly meetings to discuss career and personal goals. Dr. Warmke is graduating on 07/2018 going on to a Surgical Pathology fellowship at the M.D. Anderson Cancer Center in Houston, Texas.

2016-2018: Project advisor and mentor for Pathology resident Dr. Chelsea Kidd, PGY-3, awarded \$2500,00 VCU Department of Pathology Lyman fellowship in 2017 as the co-investigator in the project entitled: *Prevalence and Molecular Characterization of Noninvasive Follicular Thyroid Neoplasm with Papillary-Like Nuclear Features (NIFTP): A Single Institutional Review*.

Cytopathology Fellows

2015 to present: Project mentoring resulting in fellow as 1st author in 2 oral platform presentations and 2 posters at the United States and Canadian Academy of Pathology national meeting. Also, project mentoring resulting in 1st authorship in online educational material published in the American Society of Cytopathology website.

2017: Mentoring of Ronqin Ren, 2016/2017 Cytopathology fellow. Guidance in interview and lecture preparation, resulting in successful application to current position as Assistant Professor, Division of Molecular Pathology, Ohio State University.

Junior Faculty

2016: Mentoring Austin Wiles MD, hired in 07/2016, providing guidance and support in issues related to ultrasound-guided FNAs. Project mentoring, resulting in 2 joint publications in 2018 with one more in progress.

2017: Mentoring Sadia Sayeed MD, hired in 07/2017, providing guidance and support in issues related to ultrasound-guided FNAs. Project mentoring resulting in 1 poster presentation at the 2018 USCAP national meeting with a publication in progress.

2014 - Present

Presentations

Invited

Internal/VCU

VCUHS Endocrinology Grand Rounds presentation: "Molecular Testing in Thyroid: Present and Perspectives"; invited lecturer.

04/2017

VCUHS Pulmonary Medicine Lecture series; "Lung Cytopathology and Molecular testing"; invited lecturer.

12/2016

VCUHS Department of Pathology Grand Rounds presentation; "Molecular Testing in Thyroid: Present and Perspectives"; lecturer.

08/2016

VCU School of Medicine Lunchtime Learning: "Speed Designing with Innovative Strategies to Enhance Learning"; Learning Objectives section; session co-leader.
11/2015

08/2016, 01/2016 and 06/2015 – VCU School of Medicine Lunchtime Learning; "Just-in-Time Teaching (JiTT)" Interest Group; session leader.
06/2015

VCUHS Department of Otolaryngology Grand Rounds presentation; "Thyroid Pathology, Lesions of Follicular Cell Origin: Present and Future", invited lecturer.
02/2015

VCU School of Medicine Lunchtime Learning Workshop; "Introducing Just-in-Time Teaching (JiTT)", invited lecturer
10/2014

VCUHS Department of Otolaryngology Grand Rounds presentation; "Molecular Testing in Thyroid Cancer", invited lecturer
07/2014

Local/Regional (Virginia but Non-VCU)

"Every Cell Counts: Molecular Testing in Cytology Specimens"; Internal Medicine Grand Rounds, McGuire VA Medical Center, Richmond, VA; invited speaker.
04/2018

"The Bethesda System for Thyroid FNA Classification"; Grand Rounds, Endocrinology Department, Israel Pinheiro IPSEMG Hospital, Belo Horizonte, MG, Brazil, invited lecturer
06/2010

"Thyroid carcinoma: A Review of Pathological Classification"; panel discussion, Minas Gerais State division of the Brazilian Endocrinology Society, Continuing Education Symposium, Belo Horizonte, MG, Brazil, invited lecturer
06/2010

"Biological markers in Thyroid carcinoma"; panel discussion, Brazilian Endocrinology Society, Minas Gerais state division, Continuing Education Symposium, Belo Horizonte, MG, Brazil, invited lecturer
06/2010

"The Bethesda System for Thyroid FNA Classification"; Grand Rounds, Endocrinology Department, Felício Rocho Hospital, Belo Horizonte, MG, Brazil, invited lecturer
04/2010

"Thyroid Cytology - a Practical Approach", lecture, Anatomic Pathology Department Universidade Federal de Minas Gerais, Residency Monthly Conference, Belo Horizonte, Brazil, invited lecturer
12/2009

"Thyroid Cytopathology for Clinicians"; Grand Rounds, Endocrinology Department
Mater Dei Hospital, Belo Horizonte, MG, Brazil, invited lecturer
06/2008

"Differentiated Thyroid Carcinoma: Looking for a Consensus; Role of the Pathologist",
Panel Discussion, Endocrinology Department, Felicio Rocho Hospital, Belo Horizonte,
MG, Brazil, invited lecturer
08/2005

"Thyroid Cytopathology for Clinicians"; Grand Rounds, Endocrinology Department Israel
Pinheiro IPSEMG Hospital, Belo Horizonte, MG, Brazil, invited lecturer.
09/2004

"Thyroid Cytopathology for Endocrinologists", lecture, Brazilian Endocrinology Society,
Minas Gerais State division, 1st Thyroid Symposium, Belo Horizonte, MG, Brazil, invited
lecturer.
06/1999

"Cytopathology in Interstitial Lung Disease", lecture, Minas Gerais Pneumology
Society, 4th Minas Gerais State Congress of Pneumology and 1st Minas Gerais State
Congress of Thoracic Surgery, Belo Horizonte, MG, Brazil, invited lecturer.
05/1997

"Bronchoalveolar Lavage and Transbronchial Biopsy: How can the Laboratory
contribute to the Diagnosis?" Lecture, Minas Gerais Pneumology Society, Minas Gerais
State Symposium of Respiratory Endoscopy, Belo Horizonte, MG, Brazil, invited
lecturer.
08/1996

National

Practice Makes (USFNA) Perfect: Strategies To Biopsy Hard-To-Reach Head And Neck
Lesions; A Simulation-Based Activity; Non-microscopic workshop to be presented at the
2018 American Society of Cytopathology Annual Meeting in Washington, DC; Director
2018

Ultrasound-guided fine needle aspiration biopsy practice course, USCAP Immersive
Cytopathology Experience; Palm Springs, CA; faculty.
09/2017

Evolution in Action: Cytotechnologists and USFNA; invited webinar presentation;
American Society of Cytotechnology; co-presenter
03/2017

11/2016 and 11/2015: Head and neck conundrums: using ultrasound images and
aspirate smears to make accurate diagnoses; Microscopy Workshop, 2016 American
Society of Cytopathology Annual Meeting, New Orleans, LA and 2015 American Society
of Cytopathology Annual Meeting, Chicago, IL; director
2015

11/2016 and 11/2015: Aiming for the "thornless R.O.S.E". Histomorphology correlation for the Cytotechnologist (Lung and Liver); Video-Microscopy Workshop, 2016 American Society of Cytopathology Annual Meeting, New Orleans, LA and 2015 American Society of Cytopathology Annual Meeting, Chicago, IL; co-director
2015

11/2016, 11/2015 and 11/2014: "Evolution in Action: CTs and USFNA"; Roundtable presentation, 2016 American Society of Cytopathology Annual Meeting, New Orleans, LA and 2015 American Society of Cytopathology Annual Meeting, Chicago, IL and 2014 American Society of Cytopathology Annual Meeting, Dallas, TX; co-director
2014

"Interventional Pathologists' Role in Ultrasound-Guided Fine Needle Aspiration (USFNA) & Core Biopsy – A One-Stop Approach for Clinical, Radiographic, Cytologic and Histologic Diagnosis"; short course, 2013 United States & Canadian Academy of Pathology Annual Meeting, Baltimore, MD, directors Mai Gu, MD, PhD and David K. Lieu, MD, MBA; faculty
2013

"Introduction to Ultrasound Guided Fine Needle Aspiration Biopsy: A Hands-on Practicum with Clinical Case Reviews"; course, 2012 American Society for Clinical Pathology Annual Meeting, Boston, MA, director Joseph Jakowski MD; faculty
2012

International

"Challenging Head and Neck FNA: How Ultrasound Can Help"; workshop presented as part of Annual Cytopathology Symposium, A. C. Camargo Cancer Center, Sao Paulo, Brazil; invited lecturer.
05/2018

"Thyroid FNA update"; slide session presented at the Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, as part of the Minas Gerais Pathology Society continuing medical education program; invited professor.
05/2018

"Thyroid FNA update: current practice and future trends"; conference presented at the Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, as part of the Minas Gerais Pathology Society continuing medical education program; invited professor.
05/2018

Symposium on Thyroid and Head and Neck Pathology; Nepal Cancer Hospital and Research Center, Kathmandu, Nepal; main speaker, invited lecturer.
03/2018

Workshop, Ultrasound-Guided Fine Needle Aspiration; Nepal Cancer Hospital and Research Center, Kathmandu, Nepal; invited lecturer.
03/2018

"Roses, Gardeners and Gatekeepers"; ASCP/USCAP Africa Calls 2016/2017 series audio

teleconference broadcast live to 20 plus centers in the African continent; invited lecturer.

2017

"Molecular Testing in Thyroid: Present and Perspectives"; 1st Advanced Thyroid Anatomy Course, Minas Gerais Endocrine Society, Belo Horizonte, Brazil; invited lecturer.

08/2016

Teaching Experience

Didactic and Clinical

Clinical teaching: Cytotechnology staff

Teaching during Cytology sign-out by encouraging Cytotechnologist attendance. Lead the planning and implementation of sign-out capabilities in the Cytology screening room with installation of a 6-headed microscope, attached camera and high-definition large monitor, to be finalized in August 2018. This will allow for sign-out sessions with faculty, fellows and residents to take place in the CT screening area so the Cytotechnologists can be actively involved in teaching and learning in real time.

2013 - Present

Clinical teaching: Medical Students

Teaching and general supervision of activities for M3 and M4 medical students on Pathology elective at microscope during sign-out. Average of 4 students/year, 24 hours total.

08/2012 - Present

Clinical teaching: Pathology Residents

One-on-one teaching at microscope during sign-out, including reading assignments and follow-up questions. 5 hours/week.

08/2012 - Present

Clinical teaching: residents from other departments rotating in the Pathology department (Surgery, Urology, Pulmonary Medicine, etc)

Teaching and general supervision of activities for residents from other departments during elective rotation in Pathology. Teaching at microscope during sign-out. Average of 3 residents/year, 24 hours total

08/2012 - Present

Clinical teaching: Cytopathology Fellows

One-on-one teaching at microscope during sign-out, including reading assignments and follow-up questions. Teaching ultrasound-guided FNA skills. 5 hours/week.

08/2012 - Present

Lecturer, Respiratory and Foundations of Disease, Medical School Pathology Course Laboratory and Small Group Sessions, Annually, 12 hours total.

2017

Endocrinology Fellowship, VCUHS. Thyroid Ultrasound-guided Fine Needle Aspiration

workshop performed at the CytoDiagnosis Center in the VCUHS Pathology Department.
Course director. Annually, 8 hours
2017

VCUHS Cytology Laboratory Continuing Education conference; coordination and moderation, monthly 1 hour sessions.
2017

Lecturer, VCUHS Pathology Residency Program, Cytopathology and Surgical Pathology lecture series. Annually, 4 hours total.
2017

VCUHS ENT Department, Pathology Grand Rounds – Presenter - Annually, 3 sessions
2017

2016 - VCUHS ENT Department, Pathology Grand Rounds – Presenter - Annually, 3 sessions.
2016

Endocrinology Fellowship, VCUHS. Practice sessions in thyroid Ultrasound-guided Fine Needle Aspiration performed at the CytoDiagnosis Center in the VCUHS Pathology Department. Instructor. Annually, 8 hours
2016

Lecturer, Respiratory, Medical School Pathology Course Laboratory and Small Group Sessions, Annually, 12 hours total
2016

VCUHS Cytology Laboratory Continuing Education conference; coordination and moderation, monthly 1 hour sessions
2016

Lecturer, VCUHS Pathology Residency Program, Cytopathology and Surgical Pathology lecture series. Annually, 4 hours total
2016

Endocrinology Fellowship, VCUHS. Practice sessions in thyroid Ultrasound-guided Fine Needle Aspiration performed at the CytoDiagnosis Center in the VCUHS Pathology Department. Instructor. Annually, 8 hours
2015

VCUHS Cytology Laboratory Continuing Education conference; coordination and moderation, monthly 1 hour sessions.
2015

VCUHS ENT Department, Pathology Grand Rounds – Presenter - Annually, 3 sessions
2015

Lecturer, Respiratory, Medical School Pathology Course Laboratory Sessions, Annually, 8 hours total

2015

Lecturer, VCUHS Pathology Residency Program, Cytopathology and Surgical Pathology lecture series. Annually, 4 hours total

2015

VCUHS ENT Department, Pathology Grand Rounds – Presenter - Annually, 3 sessions

2014

Lecturer, Women's Health, Endocrinology and Respiratory, Medical School Pathology Course Laboratory Sessions, Annually, 8 hours total.

2014

Endocrinology Fellowship, VCUHS. Practice sessions in thyroid Ultrasound-guided Fine Needle Aspiration performed at the CytoDiagnosis Center in the VCUHS Pathology Department. Instructor. Annually, 8 hours

2014

Lecturer, VCUHS Pathology Residency Program, Cytopathology and Surgical Pathology lecture series. Annually, 4 hours total

2014

VCUHS Cytology Laboratory Continuing Education conference; implementation and coordination, monthly 1 hour sessions

2014

VCUHS ENT Department, Pathology Grand Rounds – Presenter - Annually, 3 sessions.

2013

Lecturer, VCUHS Pathology Residency Program, Cytopathology and Surgical Pathology lecture series. Annually, 4 hours total

2013

Endocrinology Fellowship, VCUHS. Practice sessions in thyroid Ultrasound-guided Fine Needle Aspiration performed at the CytoDiagnosis Center in the VCUHS Pathology Department. Instructor. Annually, 8 hours

2013

Lecturer, Women's Health, Endocrinology and Respiratory, Medical School Pathology Course Laboratory Sessions, Annually, 8 hours total

2013

Lecturer, VCUHS Pathology Residency Program, Cytopathology and Surgical Pathology lecture series. Annually, 4 hours total

2012

Endocrinology Fellowship, VCUHS. Practice sessions in thyroid Ultrasound-guided Fine Needle Aspiration performed at the CytoDiagnosis Center in the VCUHS Pathology Department. Instructor. Annually, 8 hours

2012

Lecturer, VCUHS Pathology Residency Program, Cytopathology and Surgical Pathology lecture series. Annually, 4 hours total

2011

Invited Teacher for the Endocrinology Residency Program, Felicio Rocho Hospital, Belo Horizonte, MG, Brazil. Integral part of Residency Training. Activities developed at the CitoKraft Laboratory with Endocrinology PGY-2 residents, included discussion of pertinent literature, microscopic sessions and introduction to FNA methods – Annually, 12 hours total

05/2005 - 05/2011

Invited Teacher for the Endocrinology Residency Program, Israel Pinheiro IPSEMG Hospital, Belo Horizonte, MG, Brazil. Integral part of Residency Training. Activities developed at the CitoKraft Laboratory with Endocrinology PGY-2 residents, included discussion of pertinent literature, microscopic sessions and introduction to FNA methods - Annually, 12 hours total

05/2005 - 05/2011

Gynecologic Cytology Course for Residents, Residency Program, SUNY Syracuse. 4 one-hour weekly lectures.

03/1992 - 04/1992

Cytotechnology School, State University of New York, Syracuse, NY. Activities included lecturing, preparing examinations and microscopic sessions

01/1992 - 06/1992

Pathology 201, Medical School, State University of New York, Syracuse, NY. Activities comprised of lecturing and assisting during microscopic sessions.

09/1991 - 06/1992

Teaching Assistant, Cytology/General Histology, Morphology Department, Biological Sciences Institute, University Federal of Minas Gerais – Brazil.

02/1980 - 07/1980

Educational Innovations

Development of a task training program utilizing simulated thyroid "phantom"; "Evaluation of Needle Path in Ultrasound-guided Fine Needle Aspiration of the Thyroid", utilized for teaching Cytopathology and Endocrinology fellows in USFNA techniques.

03/2014

Just-in-time teaching module for Breast Cytopathology; applied to Pathology Residency teaching

2013

Service Activities

Clinical Service

Outpatient Activities

Examination of Cytopathology specimens in general. Surgical Pathology services with emphasis on Head and Neck and Thyroid pathology. Fine needle aspiration biopsies of superficial masses, guided by palpation or under ultrasound guidance.

Recognized by peers and colleagues from other departments as an expert in thyroid Cytopathology and Histopathology, providing consultation services to the institution as well as receiving referrals from outside of the health system.

08/2012 - Present

Inpatient Activities

Examination of Cytopathology specimens in general. Surgical Pathology services with emphasis on Head and Neck and Thyroid pathology. Fine needle aspiration biopsies of superficial masses, guided by palpation or under ultrasound guidance.

08/2012 - Present

Service to the Profession

American Society of Cytopathology, Public Affairs&Advocacy Committee member, 11/2015 to 11/2019. Initial appointment 2015 to 2017, reappointed 2017 to 2019.
11/2015 - 11/2019

Founding member, Minas Gerais Thyroid Multidisciplinary Study Group, Belo Horizonte, MG, Brazil

02/2011 - Present

Appointed Member, Anatomic Pathology Technical Committee, Minas Gerais State Medical Board, Brazil. Appointed to initial biennium 2007-2009, reappointed 2009-2011
05/2007 - 05/2011

Service to the School of Medicine

Member, Clinical Competency Committee, Cytopathology Fellowship Program, VCU Medical Center, Richmond, VA
2015 - Present

Member, Faculty Search Committee, GYN Pathology/Cytopathology, Department of Pathology, VCU Medical Center, Richmond, VA
2016 - 2016

Member, Unique Pathogen Group, Department of Pathology, VCU Medical Center, Richmond, VA
2014 - 2015

Member, Faculty Search Committee, Dermatopathology, Department of Pathology, VCU Medical Center, Richmond, VA
2015 - 2015

Publications

Papers Published in Peer Reviewed Journals

1. Puthanpurayil SK, Francis GL, Kraft AO, Prasad U, Petersson, RS. (2018). Papillary thyroid carcinoma presenting as acute suppurative thyroiditis: A case report and review of the literature. *International Journal of Pediatric Otorhinolaryngology*, 105, 12-15.
2. Ren R, Mueller S, **Kraft AO**, Powers CN. (2017) Giant cell tumor of temporomandibular joint presenting as a parotid tumor: Challenges in the Accurate Subclassification of Giant Cell Tumors in an Unusual Location. *Diagnostic Cytopathology*. 00:1–5. PMID:29193882
3. Penna G, Mendes HG, **Kraft AO**, Berenstein CK, Fonseca B, Martorina WJ, de Souza AL, Meyer de Moraes G, Rajão KM, Sousa BÉ. (2017) Simultaneous Papillary Carcinoma in Thyroglossal Duct Cyst and Thyroid. *Case Reports in Endocrinology*. 8541078. DOI:10.1155/2017/8541078. PMID: 28270939
4. Jakowski JD, **Kraft AO**, Powers, CNP (2013). Lymph Node Ultrasound-Guided Fine-Needle Aspiration: Two Case Reports Addressing the Approach to Nonpalpable Targets for Biopsy and Factors That Affect Sonographic Image Quality. *Pathology Case Reviews*, 18 (1), 31-34. DOI: 10.1097/PCR.0b013e318281c91e
5. Jensen PE, **Kraft AO** (1990) TCells from Nonresponder Mice - MHC Restricted and Unrestricted Recognition of Insulin. *Journal of Immunology* - 145:3985-3991. PMID: 2258605

Editorials, Reviews, Commentaries, Proceedings, Invited Published Papers in Peer Reviewed Journals

1. Heller HT, Cibas ES, **Kraft AO**, Jiang XS, Foo W, Sanchez MA, Powers CN (2018). Ultrasound-Guided Fine Needle Aspiration Biopsy Practice Patterns. *American Journal of Surgical Pathology Reviews and Reports* 23(4): 159-164.
2. Wiles A, **Kraft AO**, Powers CN (2018). Ultrasound guided fine needle biopsy of salivary glands: a review. *American Journal of Surgical Pathology Reviews and Reports* 23(4): 170-175.
3. Powers CN, **Kraft AO** (2018). Ultrasound Guided Fine Needle Aspiration: Embracing the Black and White. *American Journal of Surgical Pathology Reviews and Reports*, 23 (4): 157-158.
4. **Kraft AO**, Wiles A, Doern C (2018). AFB in Disguise: Mycobacterium avium complex in Purulent Exudate; Ultrasound Correlation. *American Journal of Surgical Pathology Reviews and Reports*, 23(4): 194-196.
5. **Kraft AO**, Prasad U (2018). Extensive Intravascular Extension in Follicular Thyroid Carcinoma: Ultrasound Clues. *American Journal of Surgical Pathology Reviews and Reports*, 23(4):183-185. (**Article images selected for the journal issue cover**)
6. **Kraft AO** (2017). Specimen Acquisition: ROSEs, Gardeners, and Gatekeepers. *Cancer Cytopathology*, 125(S6), 449-454. PMID: 28608999

7. Dumur CI, **Kraft AO** (2015). Next-Generation Sequencing and the Cytopathologist. *Cancer Cytopathology*, 123: 69–70. PMID: 25557465

Books, Book Chapters and Monographs

1. **Kraft AO**: Neoplasia Folicular da Tireoide: Adenoma e Carcinoma (Thyroid Follicular Neoplasia: Adenoma and Carcinoma), pg 527-529 - In: Coronho, V (ed.): *Tratado de Endocrinologia e Cirurgia Endócrina (Treaty of Endocrinology and Endocrine Surgery)*, 1st edition, 2001, Guanabara

Published Abstracts or Proceedings

1. Howell JB, Sheth S, **Kraft AO**, Nord R. Unilateral Hyposmia: A Case of Sinonasal Glomangiopericytoma. Presented at the 2018 Combined Otolaryngology Spring Meetings in Washington, DC.

2. **Kraft AO**, Sayeed S, Powers CN. Improving Adequacy of Endobronchial Ultrasound-Guided Fine Needle Aspiration (EBUS-FNA) Biopsy Material for Molecular Studies: an Institutional Experience. Presented at the 2018 USCAP Annual Meeting in Vancouver, Canada.

3. Kidd C, Ferreira-Gonzalez A, Uram-Tuculescu C, **Kraft AO**. Making Inroads Into the Molecular Characterization of Noninvasive Follicular Thyroid Neoplasm with Papillary-Like Nuclear Features (NIFTP): Previously Unreported Mutations. Accepted for presentation at the 2018 USCAP Annual Meeting in Vancouver, Canada.

4. Martin EE, Lindsey KG, **Kraft AO**, Amin MB, Smith SC. Renal Medullary Carcinoma (RMC), and Renal Cell Carcinoma, Unclassified, with Medullary Phenotype (RCCU-MP): Findings in 14 Cytologic Samples. Presented at the 2018 USCAP Annual Meeting in Vancouver, Canada.

5. Encarnacion R, **Kraft AO**. Optimizing Whole Slide Imaging of Fine Needle Aspiration Smears: Ideal Z-axis Scanning Parameters. Selected for platform presentation at the 2018 American Society of Cytopathology Annual Scientific Meeting in Washington, D.C.

6. Ren R, Ashraf N, Dumur CI, Almenara JA, Idowu MO, Powers CN, **Kraft AO** (2017). Successful Utilization of Pre-Stained Cytology Smears as a Source of Material for Targeted Next Generation Sequencing (NGS) in Clinical Practice: An Institutional Experience. *LABORATORY INVESTIGATION*, vol. 97, pp. 112A-112A. Selected for platform presentation at the 2017 United States and Canadian Academy of Pathology (USCAP) Annual Meeting in San Antonio, TX.

7. Encarnacion R, **Kraft AO**, Ashraf N. Effectiveness of Cell Block Preparation Using The Thromboplastin Method: An Institutional Experience. *Journal of the American Society of Cytopathology*, Volume 6 , Issue 5 , S61. Presented at the 2017 ASC meeting in Phoenix, AZ.

8. Mousavi-Nasab N, **Kraft AO**. Evolving Roles: a Look at the Paths Travelled by Seven Cytotechnologists at one Academic Institution. *Journal of the American Society of Cytopathology*, Volume 6 , Issue 5 , S7 - S8. Presented at the 2017 ASC meeting in

Phoenix, AZ.

9. Encarnacion R, Cheng C, Ashraf N, **Kraft AO**. Reassessing the clinical usefulness of preliminary/STAT evaluation for *Pneumocystis jirovecii* pneumonia on DiffQuikR smears. Journal of the American Society of Cytopathology , Volume 6 , Issue 5 , S39. Presented at the 2017 ASC meeting in Phoenix, AZ.

10. **Kraft AO**, Almenara JA. A ROSE From Afar: 3 Years of Telecytology at an Academic Institution. Presented at the 2017 3rd Global Engage Digital Pathology Congress USA, Chicago, IL.

11. Lee, PM, Sayeed S, Sweatt A, **Kraft AO**, Kong C, Sung AW, Shepherd RW (2017) PET-CT Scan Standard Uptake Value Correlation With EBUS-TBNA Tumor Load In Primary Adenocarcinoma Of The Lung. In A110. ADVANCES IN THORACIC ONCOLOGIC DIAGNOSTICS (pp. A2864-A2864). Presented at the 2017 American Thoracic Society (ATS) International meeting in Washington, DC.

12. **Kraft AO**. Just-in-Time Teaching (JiTT) applied to Pathology Residency Training. Presented at the 2017 1st Graduate Medical Education Symposium, VCU School of Medicine in Richmond, VA.

13. Ashraf N, Ren R, Uram-Tuculescu C, Powers CN, **Kraft AO**. Non-Invasive Follicular Thyroid Neoplasm with Papillary-Like Nuclear Features (NIFTP): A Single Institutional Review with Emphasis on Tumor Prevalence. LABORATORY INVESTIGATION, vol. 97, pp. 321A-321A. Presented at the 2017 USCAP Annual Meeting in San Antonio, TX.

14. Ren R, Ashraf N, Dumur CI, Almenara JA, Idowu M, **Kraft AO**, Powers CN. Correlation of Thyroid Transcription Factor (TTF-1) immunostaining status with somatic mutations in lung adenocarcinomas detected by targeted Next Generation Sequencing (NGS). LABORATORY INVESTIGATION, vol. 97, pp. 491A-491A. Presented at the 2017 USCAP Meeting in San Antonio, TX.

15. Whitlow V, **Kraft AO**, Cassano A, Celi F, Fratkin M, Grover A, Phan G. Mediastinal Mass Causing Dysphonia, Facial Edema and Orthopnea 30 Years After Radioactive Iodine Therapy for Graves' Disease. Presented at the 2016 Annual Meeting of the American Thyroid Association – ATA Denver, CO

16. Mousavi-Nasab N, **Kraft AO**. Anal Cytology: Test Utilization Patterns and Outcomes, an Institutional Experience. Journal of the American Society of Cytopathology Vol.5, Issue 5 (2016 ASC meeting abstracts): S20-S21. Presented at the 2016 ASC meeting in New Orleans, LA.

17. Phan G, **Kraft AO**. Papillary Thyroid Microcarcinoma (2mm) Presenting As a Cystic Lateral Cervical Lymph Node Metastasis in a Patient with Merkel Cell Carcinoma and Extramammary Paget's Disease. Presented at the 2016 Endocrine Society Annual Meeting – ENDO2016, Boston, MA.

18. Warmke L, Sayeed S, **Kraft AO**, Idowu M, Powers CN. Tumor Area Measurement as a Parameter for Determination of Specimen Adequacy in the Selection of EBUS-FNA Specimens for Oncogenomic DX, Next-Generation Sequencing Analysis. Presented at

the 2016 USCAP Annual Meeting in Seattle, WA

19. **Kraft AO**, Clark ME, Powers CN. Proficiency Timeline for Pathologist-Performed Ultrasound-Guided Fine Needle Aspiration Biopsy (USFNAB) in a Recently Established Service: A Personal Experience. Journal of the American Society of Cytopathology Vol.4, Issue 6 (2015 ASC Meeting Abstracts): S7-S8. Presented at the 2015 ASC meeting in Chicago, IL.
20. Cahill LA, Uram-Tuculescu CG, Powers CN, **Kraft AO**. Impact of the 2014 Bethesda System for Cervicovaginal Cytology on Reporting Endometrial Cells: An Institutional Experience. Journal of the American Society of Cytopathology Vol.4, Issue 6 (2015 ASC Meeting Abstracts): S39. Presented at the 2015 ASC meeting in Chicago, IL
21. Mousavi-Nasab N, Clark ME, Almenara JA, Simmons C, **Kraft AO**. Turning the Rapidly Changed Cytology World Around by Cross Training Cytotechnologists in More Marketable Skills. Journal of the American Society of Cytopathology Vol.4, Issue 6 (2015 ASC Meeting Abstracts): S8. Presented at the 2015 ASC meeting in Chicago, IL
22. Mousavi-Nasab N, Almenara JA, Powers CN, Tran L, Forbes E, Doern C, **Kraft AO**. HPV/Cytology Co-Collection Implementation: Lessons Learned. Journal of the American Society of Cytopathology Vol.4, Issue 6 (2015 ASC Meeting Abstracts): S8. Presented at the 2015 ASC meeting in Chicago, IL
23. **Kraft AO**, Carter TJ. Just-in-Time Teaching (JiTT) Applied to Pathology Residency Training. Laboratory Investigation Vol. 95, 2015. Presented at the 2015 USCAP Annual Meeting in Boston, MA
24. Shipe T, Sayeed S, **Kraft AO**, Cahill LA. Utility of Histochemical Stains for Infectious Organisms in Fine Needle Aspiration Cytology Specimens of Patients with Clinical Suspicion of Sarcoidosis; A Single Institution Study. Laboratory Investigation vol. 95, pp. 508A-508A, 2015. Presented at the 2015 USCAP Annual Meeting in Boston, MA
25. Weng B, Mayes D, King AL, **Kraft AO**, Powers CN. Human Papillomavirus Infection, BK Virus Infection and Cervical Intraepithelial Lesions in Female Renal Transplant Recipients: An Institutional Review. LABORATORY INVESTIGATION, vol. 95, pp. 112A-112A, 2015. Selected for platform presentation at the 2015 USCAP Annual Meeting in Boston, MA.
26. **Kraft AO**, Dumur CI, Almenara JA, Mousavi N, Powers CN. Targeted Next Generation Sequencing (NGS) of Material Obtained from DiffQuik-stained Thyroid Fine Needle Aspiration (FNA) Smears: Parallel Evaluation of Matched Benign and Malignant Cytological and Surgical Specimens. Journal of the American Society of Cytopathology, Vol. 3, Issue 5, Supplement (2014 ASC Meeting Abstracts), Page S7. Selected for platform presentation at the 2014 American Society of Cytopathology Annual Meeting.
27. Young J, Yelverton J, **Kraft AO**, Powers CN, Reiter E. Osteoblastoma of the Frontal Sinus: A Rare Benign Neoplasm. Presented at the 2014 Combined Otolaryngology Spring Meeting/ American Rhinologic Society Meeting in Las Vegas, NE, Las Vegas, NE.

28. Sayeed S, **Kraft AO**, Massey HD, Grimes MM, Idowu MO, Powers CN. The Value of Focused Peer Review in Reducing Ambiguous Terminology in Surgical Pathology: A Pilot Study. Abstracts and Case Studies From the College of American Pathologists 2013 Annual Meeting - Archives of Pathology & Laboratory Medicine: October 2013, Vol. 137, No. 10, 1343-1526.
29. Yelverton J, DeHart A, **Kraft AO**, Reiter ER. Plasmablastic Lymphoma of the Maxillary Sinus. Presented at the 2013 Combined Otolaryngology Spring Meeting/American Rhinologic Society Meeting in Orlando, FL.
30. Clark ME, Idowu M, Dumur CI, Powers DN, **Kraft AO**. Tumor Area Measurement as a Parameter for Determination of Specimen Adequacy in the Selection of EBUS-FNA (Endobronchial-ultrasound with Fine Needle Aspiration) Specimens for EGFR and KRAS Mutation Analysis. Journal of the American Society of Cytopathology, Vol. 2, Issue 1, Supplement (2013 ASC Meeting Abstracts), Page S7. Selected for platform presentation at the 2013 American Society of Cytopathology Annual Meeting.
31. Cahill LA, **Kraft AO**, Powers CN. Pancreatic Cyst Cytology Utilizing the Papanicolaou Society of Cytopathology's Proposed Terminology Scheme for Pancreatobiliary Cytology: A Single Institution's Experience. Journal of the American Society of Cytopathology Vol. 2, Issue 1, Supplement (2013 ASC Meeting Abstracts), Page S67. Presented at the 2013 ASC meeting in Orlando, FL
32. Sentz J, Lee H, Malhotra R, Idowu M, **Kraft AO**, Shepherd R. Endobronchial Ultrasound with Transbronchial Needle Aspiration (EBUS-TBNA) for Concurrent Diagnosis and Molecular Analysis: A Single-Center Experience. Selected for platform presentation at the CHEST 2012 Annual Meeting. 2012;142 (2012 Chest Meeting Abstracts):557A-557
33. **Kraft AO**, Siddiqui A, Pedigo M, Powers CN, Idowu MM. Six-month Histological Correlation for Cervical HSIL: Does it Overestimate False-positive Rates? Journal of the American Society of Cytopathology Vol. 1, Supplement, p. S116. Presented at the 2012 ASC meeting.

Scholarly Work Published in other Media

Non-Peer Reviewed

Kraft AO: Becoming a Pathologist. Video presented at the 2016 American Society of Cytopathology State of the Society Address by president Dr. Eva Wojcik. (<https://youtu.be/4lo47UMFHku>)
2016

Sayeed S, **Kraft AO**: Cervical Cancer Screening: Rules and Regulations. American Society of Cytopathology "Cell Talk" online didactic module, published on the American Society of Cytopathology website in 2016.
2016

Personal Statement

I received my medical degree from the Federal University of Minas Gerais School of Medicine, Brazil and completed residency training in Anatomic Pathology at the State University of New York, Syracuse. My professional career started in 1992, when I returned to my native city of Belo Horizonte, Brazil, a major medical center with 2.5 million population. There I founded and directed a private solo practice laboratory, providing Anatomic Pathology and Cytopathology services to hospitals and clinics. After 18 years of a successful practice I decided to undergo further training and join the revolution brought on by recent technological advances in Pathology. In 2012, at the completion of a Cytopathology Fellowship at the Virginia Commonwealth University (VCU) I was offered a position at that institution as a staff pathologist and Associate Director of the Pathology Department Ultrasound-Guided Fine Needle Aspiration (USFNA) service. In 2013 I was appointed Medical Director of FNA services. Since 2014 I have served as Medical Director for Cytopathology. In 2018 I will begin my 7th year as assistant professor of the VCU Department of Pathology. The following sections will summarize my accomplishments while on staff at VCU, as guided by my lifelong goals of providing outstanding patient care, becoming actively involved in clinically relevant research projects and at the same time fulfilling my passion for teaching in a variety of settings and engaging with diverse learners.

The scope of my clinical work is Thyroid and Head and Neck Surgical Pathology and Cytopathology with emphasis on USFNA, utilization of cytology materials for molecular testing, telecytopathology and digital pathology. I joined VCU with already several years of experience in thyroid FNAs, having examined in excess of ten thousand thyroid specimens. I frequently act as a consultant for diagnostically challenging cases in thyroid FNA or surgical specimens, both internally and to colleagues of the Richmond Holmes McGuire VA Medical Center and to other institutions that send materials for consultation. I work very closely with the Endocrinology colleagues, having collaborated in the establishment of a weekly multidisciplinary Endocrine tumor board which I regularly attend, providing assistance in the management of challenging patients.

In addition to a full time clinical service load I have also taken on significant administrative responsibilities as Medical Director for Cytopathology. Working very closely with the technical staff, faculty, trainees and colleagues from other laboratory sections I have been able to implement several innovative approaches to the Cytopathology practice. Examples of significantly positive impacts in patient care are: a) routine utilization of the material from previously stained FNA smears for molecular testing, avoiding repeat procedures, sparing the patients potential complications and associated costs; b) utilization of telepathology for rapid-on-site evaluation of FNAs by interventional radiology, providing faculty support for fellows in training and cytotechnologists and consequently excellent patient care by assuring adequate material for diagnosis and testing; c) training the cytotechnology staff to assist in ultrasound-guided FNAs with excellent results for both the patients and the laboratory.

In 2014 and 2015 I served in the VCU Unique Pathogen Pathology Committee, assisting in the development of specimen handling policies, as VCU was one of the nationally designated medical centers being prepared to receive patients suspected of

harboring the Ebola virus. I have also served on departmental faculty search committees and participated in Endocrinology department faculty recruiting interviews.

Since joining VCU I have written or contributed to 11 publications in peer-reviewed journals and had 33 abstracts presented at various national meetings, 6 of which were selected for platform presentation. My research efforts comprise molecular testing on cytology materials, technological innovations in Cytopathology practice, USFNA, Cytotechnology education and training, quality assurance and thyroid surgical pathology. Several projects involve interdepartmental collaborations. I am currently involved in a multi-institutional study on breast FNAs with the University of California San Francisco and the Englewood Hospital, Englewood, NJ.

I have presented 9 sessions at 5 national pathology meetings from 2012 to 2016, have been invited to lecture as guest faculty in a United States and Canadian Academy of Pathology (USCAP) course and have been invited 7 times to present international lectures. I will be leading a new workshop at the 2018 American Society of Cytopathology annual meeting. I have served in the Editorial Board of the prestigious Cancer Cytopathology journal since 2013, initially as ad hoc reviewer, then as member of the editorial board and since 2018 as member of the advisory board, a recognition of my Cytopathology expertise.

I am an active member of the Head and Neck Cancer interest group of the VCU Philips Institute for Oral Health Research. With the institute's researchers I am co-investigator on 2 grants, one sponsored by the National Health Institute (NIH) and the other by the American Cancer Society. My role is providing pathology support including selecting and reviewing tissues from patients and experimental animal models. Two other NIH grant proposals are currently under evaluation. I was also awarded a Pathology Department Faculty Development grant to pursue a project in the molecular characterization of non-invasive follicular thyroid neoplasm with papillary-like nuclear features (NIFTP).

Teaching has always been a passion I have pursued throughout my professional career. Even though in Brazil I was not directly linked to an academic institution I welcomed and actively sought teaching and mentoring opportunities, becoming an invited faculty for two Endocrinology residency programs and lecturing at local and regional meetings. Joining VCU greatly expanded my teaching role and I have been very active in several educational venues. Every year I teach several small group and laboratory sessions to medical students. I greatly enjoy teaching residents and fellows at the microscope and through lectures and slide sessions. Since 2014 I have been assigned a resident mentee for every academic year. My mentee for 2014 and 2015 went on to present multiple abstracts at national meetings, become chief resident and will soon be a fellow at the prestigious M.D. Anderson Cancer Center. My mentee for 2016 and 2017 has been awarded the VCU Pathology Department Lyman Research Resident Award as co-investigator in a project where I am the principal investigator. As Assistant Director of the Cytopathology Fellowship I have been responsible for USFNA training, developing and implementing a curriculum that includes lectures, practicum sessions and active mentoring. I also provide USFNA training for the Endocrinology

fellowship. I have developed a thyroid USFNA simulation-based task trainer now part of the fellowship curriculum.

The last 5 years have brought major changes to the Cytotechnology profession with a sharply decreased demand for Pap smears and the consequent need for new skills. I have implemented training of CTs in basic ultrasound skills with the successful participation as assistants in USFNA. Under my guidance staff members have also taken up roles in in-situ hybridization assays, laboratory information system testing and whole slide digitalization. In 2014 I instituted and moderate a monthly CT continuing education session. I have mentored the CTs in several projects with a total of 3 workshops and 12 abstracts, including 2 platforms presented by Cytotechnologists at American Society of Cytopathology national meetings as well as an invited webinar presentation by the American Society of Cytotechnologists.

To make my teaching even more effective I enrolled in the VCU Teaching in Medical Education (TiME) post-baccalaureate program, graduating in August 2017. I have incorporated active methods, simulation and digital media into my teaching, generating excellent feedback from my learners in all settings. As a former TiME fellow I have served as proposal reviewed for the 2018 VCU Graduate Medical Education Symposium.

I care deeply about educating the public and future physicians. Since 2015 I have been a member of the Public Affairs and Advocacy committee of the American Society of Cytopathology. One of my contributions was the production of the video "Becoming a Pathologist", presented at the 2016 American Society of Cytopathology State of the Society Address by then president Eva Wojcik MD.

I also enjoy teaching my Pathology peers and clinical colleagues. I am frequently invited to present lectures to my other departments at VCU. I have present several workshops, courses and lectures at national Pathology meetings. I have also been invited to lecture in Brazil and Nepal. One of my present goals is to develop educational collaboration programs.

In summary, I am a firm believer in the "3-pillars" of academic medicine: Clinical Care, Teaching and Research. Since my appointment as Assistant Professor at VCU I have strived to provide excellent patient care and pursue scholarly and teaching activities. I look forward to continue to be a productive member of the VCU School of Medicine and to further contribute to the institution.

Generated by ePortfolio