

University of California, San Francisco
CURRICULUM VITAE

Name: Teresa M Darragh, MD

Position: Recalled Faculty
Pathology
School of Medicine

Address: University of California, San Francisco
Email: teresa.darragh@ucsf.edu
Web: <http://pathology.ucsf.edu/about/faculty/pathology-tdarragh.html>

EDUCATION

1976 - 1982	University of San Francisco	B.S	Summa Cum Laude, Biology & Psychology
1982 - 1986	Cornell University Medical College	M.D.	Alpha Omega Alpha
1986 - 1987	University of California, San Francisco	Resident	Pathology
1988 - 1988	San Francisco General Hospital	Chief Resident	Pathology
1988 - 1988	University of California, San Francisco	Chief Resident	Pathology
1989 - 1989	University of California, San Francisco	Visiting Postdoctoral Fellow	Pathology

LICENSES, CERTIFICATION

1987	Medical licensure, California (G61187)
1991	American Board of Pathology, Anatomic Pathology
1995	American Board of Pathology, Cytopathology
1998	ASCCP, Colposcopy Recognition Award

PRINCIPAL POSITIONS HELD

1989 - 1990	University of California, San Francisco	Clinical Instructor, Pathology Cytology
1990 - 1991	University of California, San Francisco	Clinical Instructor, Pathology Surgical Pathology

1991 - 1997	University of California, San Francisco	Assistant Clinical Professor	Pathology
1997 - 2003	University of California, San Francisco	Associate Clinical Professor	Pathology
2003 - 2024	University of California, San Francisco	Professor	Pathology (Clinical X)
2024 - present	University of California, San Francisco	Emeritus Professor	Pathology
2024 - present	University of California, San Francisco	Recalled Faculty	Pathology

OTHER POSITIONS HELD CONCURRENTLY

1990 - 2014	University of California, San Francisco	Attending Physician	UCSF Dysplasia Clinic
2001 - 2024	University of California, San Francisco	Joint appointment	Obstetrics & Gynecology

HONORS AND AWARDS

1981	Alpha Sigma Nu	National Jesuit Honor Society
1982	Summa Cum Laude	University of San Francisco
1985	Alpha Omega Alpha	Honor Medical Society
1998	Colposcopy Recognition Award	ASCCP
2006	Award of Merit	ASCCP
2008	Meritorious Award of Scientific Achievement, 2008 ASCCP Biennial	ASCCP
2010	Meritorious Award of Scientific Achievement, 2010 ASCCP Biennial	ASCCP
2012	Meritorious Award of Scientific Achievement, CAP-ASCCP LAST Project	ASCCP
2012	President's Honor Award, Certificate of Appreciation	College of American Pathologists
2013	CAP Outstanding Service Award	College of American Pathologists
2014	President's Award	ASCCP
2015	Honorary Member	Sociedad Paraguaya de Patologia del Tracto Genital Inferior y Colposcopia
2015	The Pathologist: Top 100 Power List 2015 https://thepathologist.com/the-power-list-2015/	thepathologist.com

2017	Board Service Award	ASCCP
2017	Papanicolaou Award Nomination	American Society for Cytopathology
2018	Papanicolaou Award Nomination	American Society for Cytopathology
2019	2019 Lifetime Achievement Award	Papanicolaou Society of Cytopathology
2019	Papanicolaou Award Nomination	American Society for Cytopathology
2020	Service Recognition Award for the Management Guidelines	ASCCP
2025	2025 Lifetime Achievement Award	ASCCP

KEYWORDS/AREAS OF INTEREST

Human papillomavirus, anogenital neoplasia, cervical cancer, anal cancer, cervical cytology, anal cytology, colposcopy.

CLINICAL ACTIVITIES

CLINICAL ACTIVITIES SUMMARY

As recall faculty, 17% of my paid effort is signing out cytology and biopsy specimens primarily from the UCSF Anal Neoplasia Clinic.

The additional 25% paid effort is working on research projects stemming from the ANCHOR study.

CLINICAL SERVICES

2017 - 2024	Surgical Pathology (Anal Neoplasia Clinic) and Cytopathology Services	Approximately 55% time
2024 - present	Sign-out of biopsy and cytology specimens primarily from the UCSF Anal Neoplasia Clinic.	17% time

PROFESSIONAL ACTIVITIES

MEMBERSHIPS

- 1989 - 2007 American Society of Clinical Pathologists
- 1993 - 2017 Papanicolaou Society of Cytopathology
- 1993 - 2024 American Society of Cytopathology
- 1995 - present American Society for Colposcopy and Cervical Pathology
- 2004 - 2024 College of American Pathologists
- 2005 - present International Papillomavirus Society
- 2010 - 2019 American Society of Clinical Pathologists
- 2012 - present International Anal Neoplasia Society

2013 - 2017 International Society for the Study of Vulvovaginal Disease

SERVICE TO PROFESSIONAL ORGANIZATIONS

1990 - 1994	WIHS (inter-institutional): Gyn Working Group, Colposcopy subgroup	Member
1990 - 2020	WIHS (inter-institutional): Cancer/Pathology Working Group	Member
1997 - 2002	California Department of Health Services: Breast and Cervical Cancer Control Program (BCCCP), Cytology Working Group	Member
1998 - 2016	ASCCP, Pathology Committee	Member
2000 - 2012	ASCCP, Program Committee	Member
2000 - 2001	ASCCP, Consensus Guidelines 2001	Member
2004 - 2017	ASCCP, Board of Directors	Member
2004 - 2010	ASCCP, Pathology Committee	Chair
2004 - 2006	ASCCP, Patient Education Committee	Member
2004 - 2006	ASCCP, Ad hoc Committee on Special Populations	Member
2005 - 2011	College of American Pathologists, Cytopathology Committee, GYN	Member
2006 - 2006	ASCCP, Consensus Guidelines 2006, member at large	Member
2006 - 2011	College of American Pathologists, Cytopathology Committee, NGC	Member
2006 - 2014	ASCCP, High Resolution Anoscopy course	Co-Director
2006 - 2008	ASCCP, 2008 Biennial Meeting	Co-Director
2007 - 2009	College of American Pathologists, Steering Committee, PT Legislation	ASCCP Representative
2007 - 2007	ASCCP Algorithms Speaker's Kit, 2006 Consensus Guidelines	Reviewer
2008 - 2010	ASCCP, 2010 Biennial Meeting	Co-Director
2009 - 2009	PICSM/ASCCP Adolescents & Young Women,	Steering Committee
2010 - 2011	ASCCP, Executive Committee	Secretary
2010 - 2011	ASCCP, Executive Committee	Treasurer
2010 - 2011	ASCCP, Finance Committee	Co-Chair
2010 - 2016	ASCCP, International Education & Humanitarian Outreach Committee	Member

2010 - 2012	American Cancer Society, Cervical Cancer Prevention Symposium, Working Group #4, Exiting from Screening	Member
2010 - 2012	CAP-ASCCP LAST Project: Standardization of HPV terminology	Co-Chair, Steering Committee
2012 - 2015	ASCCP, Executive Committee	President-elect
2012 - 2016	ASCCP, Nominating Committee	Member and Chair (2012)
2012 - 2013	ASCCP, Finance Committee	Member
2012 - 2016	ASCCP, Education Committee	Member
2012 - 2014	ASCCP, International Education & Humanitarian Outreach Committee	Member
2012 - 2014	ASCCP, Resident Education Committee	Member
2012 - 2014	ASCCP, Program Committee	Ex-Officio
2013 - 2013	18th International Congress of Cytology	Scientific abstract reviewer
2013 - 2014	ASCCP, Executive Committee	President
2014 - 2015	ASCCP, Executive Committee	Immediate Past-President
2015 - present	ASCCP	Past-President
2015 - 2018	International Anal Neoplasia Society	Board Member
2015 - 2017	ASCCP, Colposcopy Standards: Work Group 1 - Role of Colposcopy; Benefits and Harms; and Terminology.	Work Group Member
2016 - 2017	ASCCP, Practice Committee	Member
2016 - 2020	NCI-ASCCP Research Steering Committee	Member, Steering Committee
2016 - 2023	AIDS Malignancy Consortium (AMC) HPV Working Group	Member
2016 - 2018	AIDS Malignancy Consortium (AMC) Translational Sciences Working Group	Member
2016 - present	ANCHOR Laboratory Committee	Member
2016 - 2024	ANCHOR QA Committee	Member
2016 - 2024	ANCHOR Investigators' Committee	Member
2017 - 2020	ASCCP Risk Based Management	Member, Steering Committee
2019 - 2019	World Health Organization, Workshop of Cervical Cancer Screening Round Table; Minsk, Belarus February 7-8, 2019	Invited expert

2019 - 2019	FDA Microbiology Devices Panel for the Medical Advisory Committee: New or alternative approaches to the development and evaluation of devices detecting HPV nucleic acid. Washington DC, March 8, 2019	Panel Member
2019 - 2019	17th International Conference on Malignancies in HIV/AIDS. NIH Campus, Bethesda MA. October 21-22, 2019.	Planning Committee
2020 - 2022	World Health Organization (WHO) Guideline Development Group for Screening and Treatment (Screen and Treat) to Prevent Cervical Cancer	Group Member
2021 - 2021	American Cancer Society: Workshop on Identifying Priority Issues Related To Primary HPV Screening. Virtual February 24, 2021.	Panel Member
2021 - 2023	American Cancer Society: Cervical Cancer Screening Initiative -- Laboratory Infrastructure Workgroup	Steering committee member and Work Group Co-Chair
2021 - present	NCI's Enduring Consensus Cervical Cancer Screening and Management Guidelines	Content Expert Group
2022 - 2022	18th International Conference on Malignancies in HIV/AIDS. NIH Campus, Bethesda MA. October 24-25 2022.	Planning Committee
2022 - present	World Health Organization (WHO) Living Systematic Review Guideline Development Group for Screening and Treatment (Screen and Treat) to Prevent Cervical Cancer	Group and sub-group member
2022 - 2022	WHO Living Systematic Review Guideline Development Group for Screening and Treatment (Screen and Treat) to Prevent Cervical Cancer; Initial meeting, Geneva Switzerland, December 5-6, 2022.	Meeting Co-Chair
2023 - present	International Agency for Research on Cancer (IARC) EASTER Study: Data Safety Monitoring Board	DSMB Member and consultant
2023 - 2024	World Health Organization (WHO) HPV tests Target Product Profiles (TPPs) Working Group	Group Member
2023 - 2023	World Health Organization (WHO) HPV tests Target Product Profiles (TPPs) Working Group; In-person meeting, Herradura, Costa Rica	Meeting Co-Chair
2024 - present	International Agency for Research on Cancer (IARC) LAOS Study	Consultant
2024 - 2024	WHO Living Systematic Review Guideline Development Group for Screening and Treatment (Screen and Treat) to Prevent Cervical Cancer; Santander Spain, September 23-25, 2024.	Meeting Co-Chair

2024 - 2024 2024 International Papillomavirus Conference. Edinburgh Session Co-moderator
Scotland, November 11-15, 2024.

SERVICE TO PROFESSIONAL PUBLICATIONS

2002 - 2017 Editorial Board, Journal of Lower Genital Tract Disease (31 papers since 2016; 79 papers overall)

- Ad hoc referee:

2009 - 2023 Cancer Cytopathology (8 papers since 2010)

2009 - 2023 Journal of Cutaneous Pathology (12 papers since 2010; 15 papers overall)

2010 - 2011 Archives of Pathology and Laboratory Medicine (2 papers in last 5 years)

2010 - 2012 Sexual Health (3 papers in last 5 years)

2011 - 2011 Lancet Oncology (1 paper in last 5 years)

2011 - 2011 Acta Cytologica (1 paper in last 5 years)

2011 - 2012 Diagnostic Cytopathology (2 papers in last 5 years)

2012 - 2012 Cancer Epidemiology, Biomarkers & Prevention (1 paper in last 5 years)

2012 - 2012 Journal of Infectious Diseases (1 paper in last 5 years)

2013 - 2014 International Journal of Cancer (3 papers in last 5 years)

2014 - 2023 Journal of the American Society of Cytopathology (4 papers since 2014 including 1 paper in 2020)

2014 - 2014 Acta Medica Academica (1 paper in last 5 years)

2014 - 2014 Cancer Medicine (1 paper in last 5 years)

2016 - 2023 Papillomavirus Research (1 in 2016, 1 in 2017)

2016 - 2023 Expert Review of Anticancer Therapy (1 paper since 2016)

2017 - 2023 Journal of Lower Genital Tract Disease (4 papers since 2017)

2017 - 2023 American Journal of Obstetrics and Gynecology (1 paper 2017, 1 paper in 2021)

- Previous ad hoc reviews:

- AIDS

- American Journal of Dermatopathology

- Journal of AIDS

INVITED PRESENTATIONS - INTERNATIONAL

1998 International AIDS Meeting, Anal Disease Symposium, "Anal Cytology," Geneva, Switzerland, June 27.

- International Academy of Cytology, Tutorials in Cytopathology, "Symposia on New Technologies: Anal cytology", Vienna, Austria, December 6.
- 1999 International Academy of Cytology, Tutorials in Cytopathology, Expert Panel on New Technologies - ThinPrep, Burbank, CA, Feb 7.
- 2000 Eurogin 2000, 4th International Multidisciplinary Congress, Global Challenge of Cervical Cancer Prevention, Invited lecture: "The Anus and HPV: A Pathologist's Perspective", Paris, France, April 4.
- 2003 Eurogin 2003, 5th International Multidisciplinary Congress, Global Challenge of Cervical Cancer Prevention, Invited lecture: "The Anus: A look inside." Paris, France, April 13-16.
- Africa Calls, 2003, "Liquid-Based Cervical Cytology", Annenberg Center sponsored Teleconference Series, July 22.
- 2005 International HPV Meeting/ASCCP Comprehensive Colposcopy Course, Course Faculty, Vancouver BC, April 30-May 6.
- International HPV Meeting: Public Lecture, "Screening and treatment of cervical dysplasia"
- International HPV Meeting, Session Chair: Cytology and histology, Screening methods for cervical cancer.
- 2006 University of Zimbabwe College of Health Sciences, Dept. of Obstetrics & Gynaecology in collaboration with the Well Woman Clinic, "Cervical Cancer and the Precursors" with Dr. Karen Smith McCune, March 28.
- University of Zimbabwe College of Health Sciences, Dept. of Obstetrics & Gynaecology in collaboration with the Zimbabwe Medical Society, "HPV Biology, Pathogenesis, and Vaccine Development" with Dr. Karen Smith McCune, March 29.
- University of Zimbabwe College of Health Sciences, Depts. of Obstetrics & Gynaecology and Pathology, "Atypical Glandular Cells: Pathology and Management", March 30.
- 2010 Women's Wellness Centers, Tashkent, Uzbekistan; Faculty, Cytopathology and Colposcopy; multiple lectures. April 18-23, 2010.

- 2011
- Proyecto Epidemiologico Guanacaste and the U.S. National Cancer Institute: Anal cytology: collection technique: HPV-related anal disease: Overview; Anal Pathology; Liberia and San Jose, Costa Rica, May 30-June 3, 2011.
- 14th World Congress of Cervical Pathology and Colposcopy, ASCCP representative and Symposium Chair and faculty; HPV-related anal disease, Rio de Janeiro, Brazil, July 4-7.
- University of Ghana Medical School, Accra, Ghana; Faculty, Cytopathology and Colposcopy; multiple lectures. August 22-28, 2011.
- 36th European Congress of Cytology, Istanbul Turkey: Slide seminar: Anal Cytology. September 23, 2011.
- 2012
- Proyecto Epidemiologico Guanacaste and the U.S. National Cancer Institute: Cervical and anal cancer screening. Liberia, Costa Rica, Jan 30-Feb 2, 2012.
- University of Nicaragua Medical School, Managua, Nicaragua; Faculty, Cytopathology and Colposcopy; multiple lectures, February 10-14, 2012.
- 4to Congreso Colombiano de Patologia del Tracto Genital Inferior y Colposcopia, Anal Cancer: Epidemiology and Pathology, Miami, FL, August 17, 2012.
- University of Ghana Medical School, Accra, Ghana; Faculty, Cytopathology and Colposcopy; multiple lectures. August 20-24, 2012.
- XXIX Congress of the International Academy of Pathology, Anal Cytology, Cape Town, South Africa, September 30-October 5, 2012.
- 2013
- San Francisco de Quito University, Cervical pathology Conference, Quito, Multiple lectures, Ecuador, April 29-May 2, 2013.
- 18th International Congress of Cytology, Videomicroscopy Tutorial, The Last Project, Paris, France, May 30, 2013.
- International Agency for Cancer Research (IARC), the LAST Project, Lyon, France, June 4, 2013.
- Society of Obstetrics & Gynecologists of Canada, The LAST Project, Calgary, Canada, June 12, 2013.
- WHO/IARC ESTAMPA Project: Pathologist Training Seminar, Bogota Columbia, September 4-7, 2013.

Australian Society of Cytology, 4 lectures, Sydney
Australia, October 18-21, 2013.

Australasian Sexual Health Conference 2013, lectures: The
LAST Project; Anal cancer Screening, Darwin, Australia,
October 21-25.

Latin America Colposcopy Congress: The LAST Project,
Buenos Aires, Argentina, November 13-15, 2013.

2014 Association of Obstetrics and Gynecology of Bogota: Anal
cancer. Bogota, Columbia. February 27, 2014

International Federation for Cervical Pathology and
Colposcopy. The LAST Project. London England. May 27,
2014.

Proyecto Epidemiologico Guanacaste and the U.S.
National Cancer Institute: The LAST Project. Liberia,
Costa Rica. July 30, 2014.

WHO/IARC ESTAMPA Project. Investigator's Meeting at
the IPV. The LAST Project. Seattle, WA. August 22, 2014.

European Congress of Pathology, London, UK. The LAST
Project and p16. August 31, 2014

International Anal Neoplasia Society. IANS Advanced HRA
Course. Pathology for the non-pathologist. San Francisco,
CA. November 14, 2014.

2015 WHO/IARC ESTAMPA Project: Pathologist Training
Seminar, Institute of Public Health, Cuernavaca, Mexico,
February 10-12, 2015.

Asociation Colombiana de Patologia del Tracto Genital
Inferior y Colposcopia. Congreso de las Americas en
Colposcopia. Cartagena, Columbia. February 26-28, 2015.

XII International Workshop of Lower Genital Tract
Pathology. Multiple lectures and session chairs, Rome,
Italy. March 5-7 2015.

2015 Australian Society for Colposcopy and Cervical
Pathology. Multiple lectures. Cairns, Australia. May 28-31,
2015.

Instituto Nacional de Cancerología, Columbia. Multiple
lectures. Bogota, Columbia. July 13, 2015.

V Congreso Paraguayo de Patología del Tracto Genital
Inferior y Colposcopia, Multiple lectures. Asunción,
Paraguay. August 4-6, 2015

	Argentina Society of Cytology. Annual Meeting. Buenos Aires, Argentina.. September 10-12, 2015.	
	European Congress of Cytology. Annual Congress. Milan, Italy. September 20-23, 2015.	
	International Anal Neoplasia Society. IANS Advanced HRA Course. Pathology for the non-pathologist. San Francisco, CA. November 13, 2015.	
2016	Nicaraguan Ministry of Health. Conference: 1st International Cancer Congress: Cervical cancer control in the HPV era." Role of Cytology in the HPV era." Managua, Nicaragua April 22-23, 2016.	Invited Speaker
	Chinese Society for Colposcopy and Cervical Pathology (CSCCP). 2th CSCCP Annual Conference, Beijing, China. May 20-22, 2016.	Keynote speaker
	Educate the Educators, Course Faculty, Beijing, China, May 22, 2016	Course Faculty
	The 19th International Congress of Cytology. Yokohama, Japan. May 28-June 1 2016.	Session Chair and Invited Speaker
	Africa Calls. Audio Teleconference. The LAST Project. September 28, 2016	Invited Presenter
	European Federation of Cytology Societies. Liverpool, UK. October 2-5, 2016.	Session Chair and Invited Speaker
	International Anal Neoplasia Society. IANS Advanced Course. Pathology for the non-pathologist. San Francisco, CA. Nov 9-10, 2016.	Invited Speaker
	International Anal Neoplasia Society. Scientific Meeting 2016. San Francisco, CA. November 11-13, 2016.	Session Moderator
2017	International Agency for Research on Cancer. The LAST Project: Polishing the Gold Standard. Lyon, France, February 13, 2017.	Invited Presentation
	IFCPC World Congress. Orlando, FL. April 4-7, 2017.	Course Faculty, Session Chair, Invited Speaker
	International Anal Neoplasia Society. IANS Advanced Course. Pathology for the non-pathologist. Chicago, IL. November 9-12.	Invited Speaker and Session Moderator
2018	XXV Congresso Brasileiro de Citopatologia Balneario Camboriu, Brazil. May 2-4, 2018	Invited Speaker
	International Anal Neoplasia Society Scientific Meeting 2018, Montreal Quebec, Canada. June 1-3, 2018.	Invited Speaker, Session Moderator

	International Anal Neoplasia Society, High Resolution Anoscopy Course. San Francisco, CA. November 8-10, 2018.	Faculty Member
2019	WHO: EURO-IARC Workshop on Cancer Screening. The Pap Test: The good, the bad, and the ugly. January 16-17, 2019. Lyon, France	Invited Speaker
	World Health Organization (WHO), Workshop of Cervical Cancer Screening Round Table; Minsk, Belarus February 7-8, 2019	Invited Expert and Speaker
	International Academy of Cytology, 2019 International Cytology Congress, Sydney Australia. May 5-8, 2019.	Invited Speaker and Session Co-Chair
	International AIDS Malignancy Consortium, Pathology Meeting, Arlington, VA, March 15-16, 2019	Moderator HPV session, Invited Speaker
	International Anal Neoplasia Society, High Resolution Anoscopy, Standard and Advanced Courses. San Francisco, CA. July 26-28, 2019	Faculty Member
	IARC / WHO CESTA Study. Training for Pathologists, Dakar, Senegal. September 23-27, 2019	Invited Speaker and Session Coordinator
	17th International Conference on Malignancies in HIV/AIDS. National Library of Medicine, Bethesda, MA. October 21-22, 2019	Session Moderator
	IARC / WHO ESTAMPA Study Meeting. Liberia, Costa Rica. November 18-21, 2019	Invited Speaker and Session Chair
2020	International Anal Neoplasia Society, Standard High Resolution Anoscopy. Virtual Course 2020. December 3-6, 2020	Course Faculty
2021	Latin American Society of Pathology - SLAP Latin American Congress of Pathology - SLAP Costa Rica 2021. "The LAST Project and its Implications for Clinical Care". September 26, 2021.	Invited Speaker
	Latin American Course on Cervical Cancer and Human Papilloma Virus, 2021. Virtual Course. November 6 and December 11, 2021.	Invited Speaker
2022	Eurogin 2022. New Pathogenetic Classification for Invasive Adenocarcinoma of the Endocervix: Implications for the Clinician Dusseldorf, Germany. April 11, 2022.	Invited Speaker
	International Anal Neoplasia Society Scientific Meeting 2022. New York City, NY, June 3-5, 2022	Session Moderator

	WHO Guideline Development Group (GDG) for the Living Recommendations and Systematic Reviews (LSR) on Screening and Treatment to Prevent Cervical Cancer (LSR GDG). Geneva, Switzerland, December 6-7, 2022.	Meeting Co-chair
2023	WHO Human Papillomavirus Target Product Profiles □ HPV TPPs. Herradura, Costa Rica 7-9 November 2023.	Meeting Co-chair and invited speaker
2024	WHO Guideline Development Group (GDG) for the Living Recommendations and Systematic Reviews (LSR) on Screening and Treatment to Prevent Cervical Cancer (LSR GDG). Santander Spain, September 23-25, 2024	Meeting Co-chair and invited speaker
2025	International Gynecologic Cancer Society. Preinvasive Program, On-line program; Module lecture. Cytology and Histopathology of Cervical Preinvasive Disease and Cancer.	Invited Speaker
	International Anal Neoplasia Society, IANS 9th Scientific Meeting 2025. Anal cancer screening: A Pathologist's Perspective. London, England, June 6-8, 2025.	Invited Speaker

INVITED PRESENTATIONS - NATIONAL

1992	Teleconference Network of Texas, "Pathology of AIDS," April 13. Current Issues in Anatomic Pathology, "Epithelial Changes Induced by Papilloma Viruses," San Francisco, CA, May 22. 12th Annual Course in Fine Needle Aspiration Biopsy, "Cytology of Fine Needle Aspiration of Lung Lesions," Hawaii, August 9-15.
1993	14th Annual Fine Needle Biopsy Course, UCSF, "Cytology of Fine Needle Aspirates of Lung Lesions," Hawaii, August 7-14. UCSF Clinical Obstetrics and Gynecology and Gynecologic Histopathology, "Pathology of the Cervix," San Francisco, CA, Oct 25-29.
1994	15th Annual Fine Needle Biopsy Course, UCSF, "Lung FNA," Hawaii, August 13-20. UCSF Clinical Obstetrics and Gynecology and Gynecologic Histopathology, "Pathology of the Cervix," San Francisco, CA, Nov 3-4.
1995	16th Annual Fine Needle Biopsy Course, UCSF, "Cytology of Fine Needle Aspiration of Lung Lesions," San Francisco, CA, August 12-19.

- UCSF Clinical Obstetrics and Gynecology and Gynecologic Histopathology, "Pathology of the Cervix," San Francisco, CA, October 26-27.
- 1996 17th Annual Fine Needle Aspiration Course, UCSF, "Cytology of Fine Needle Aspiration of Lung Lesions," Hawaii, August 12-16.
- UCSF Clinical Obstetrics and Gynecology and Gynecologic Histopathology, "Updates in GYN Cytopathology: Automation," San Francisco, CA, October 21-25.
- 1997 18th Annual Fine Needle Aspiration Course, UCSF, "Cytology of Fine Needle Aspiration of Lung Lesions," Hawaii, August 9-16.
- UCSF, Department of Obstetrics, Gynecology, and Reproductive Sciences, Clinical Obstetrics and Gynecology and Gynecologic Histopathology, CME Course, "Gyn Cytology: AGUS Paps," San Francisco, CA, Oct 14.
- 1998 American Society for Colposcopy and Cervical Pathology, Biennial Meeting, "Papillary Lesions of the Anal Canal," Scottsdale, AZ, Mar 18-22.
- 19th Annual Fine Needle Aspiration Course, UCSF, "Cytology of Fine Needle Aspiration of Lung Lesions," Hawaii, August 9-16.
- 1999 20th Annual Fine Needle Aspiration Course, UCSF, "Cytology of Fine Needle Aspiration of Lung Lesions," Hawaii, August 9-16.
- UCSF Department of Obstetrics, Gynecology and Reproductive Sciences, CME Program: Obstetrics & Gynecology Update: What does the Evidence Tell Us? Faculty, "Managing Abnormal Paps: Clinical-Pathological Correlation," San Francisco, CA, November 4.
- 2000 ASCCP Biennial Meeting, Invited lecture: "HPV and Anal Cancer: Should We Screen and If So How?" Orlando, FL, March 15.
- ASCCP Comprehensive Colposcopy Training Course, Course Faculty, Tucson, AZ, May 11-14.
- 2001 ASCCP Comprehensive Colposcopy Training Course: Course Faculty, Santa Fe, NM, Jan 31-Feb 3.

- University of Arizona, 32nd Annual Tucson Seminar in Obstetrics and Gynecology, Tucson, Invited Lectures: "Conventional Cytology: Past Successes & Current Weaknesses" and "Liquid Based Screening for Chlamydia, HSV, GC: Multiple Screening Tests from Liquid Satisfying HEDIS Regulations," Tucson, AZ, Feb 19-21.
- Cytec Corporation and Digene Corporation "ThinPrep HC2 Faculty Consultants Program," Seminar Faculty, Keystone, CO, Aug 16-19.
- "Unresolved Patient Management Issues in HIV, " Keynote Address: "Anal Squamous Cell Carcinoma: A Hidden Epidemic," Scottsdale, AZ, Nov 2- 4.
- 2002 ASCCP Biennial Meeting, Invited lectures: "Colposcopy of the Normal Cervix," and "Anal Intraepithelial Neoplasia," Orlando, FL, March 17 and 20.
- ASCCP, Comprehensive Colposcopy, Course Faculty, Los Angeles, CA May 16-19.
- ASCCP, The "New" Vulvovaginal Diseases, Course Faculty, Manalapan, FL, Dec. 5-8.
- 2003 UCSF-Stanford, Current Issues in Pathology, "Glandular lesions of the cervix", San Francisco, CA, May 22-24.
- ASCCP, Comprehensive Colposcopy, Course Faculty, Seattle, WA, August 7-10.
- American Society for Cytopathology, Teleconference, Evaluating the significance of atypical glandular cells (AGC): Definition and detection, October 8.
- 2004 ASCCP Biennial Meeting, Invited lectures: "The Normal Cervix" Orlando, FL, March 15.
- UCSF-Stanford, Current Issues in Pathology, "Cytology Tutorial: Gyn Cytology" and "HPV and the cervix", Course Faculty, San Francisco, CA, May 27-29.
- ASCCP, Comprehensive Colposcopy, Course Faculty, Denver, CO, Aug 12-15.
- ASCCP, Advanced Colposcopy and Lower Genital Tract Dermatology, Course Faculty, Las Vegas, NV, Dec 2-5.
- 2005 ASCCP, Comprehensive Colposcopy, Course Faculty, Santa Fe, NM, Feb. 2-5.
- Indian Health Service, Dept. of Health and Human Services, Advanced/Refresher Colposcopy Workshop, Albuquerque, NM, March 30-April 1.

ASCCP, Comprehensive Colposcopy Course Faculty, San Francisco, CA, August 4-7.

ASCCP, High Resolution Anoscopy Workshop, Co-Director and Course Faculty, San Francisco, CA, August 6-7.

College of American Pathologists, CAP '05, Video microscopy tutorial: Anal Cytology, Chicago, Sept 11.

American College of Surgeons, Prevention and Diagnosis of Anal Cancer: Pathology of AIN and the Cervical Model, San Francisco, CA, October 19.

2006

ASCCP Biennial Meeting, Invited lecture: "HPV-related Anal Lesions" Las Vegas, NV March 15.

American Society of Colon and Rectal Surgeons, Annual Meeting, "Pathology of AIN and the Cervical Model", Seattle, WA June 3.

American Society for Cytopathology, Teleconference, Anal Cytology, June 27.

ASCCP, Comprehensive Colposcopy Course Faculty, San Diego, CA, August 3-6.

ASCCP, High Resolution Anoscopy Workshop, Co-Director and Course Faculty, San Diego, CA, August 4-6.

Educate the Educators: HPV Vaccines: Safety and Efficacy, San Diego, CA, August 5.

College of American Pathologists, CAP '06, Video microscopy tutorial: Anal Cytology, San Diego, Sept 11.

ASCCP Consensus Conference, member at large, Bethesda, MA, Sept 18-19.

2007

ASCCP, Comprehensive colposcopy Course Faculty, Santa Fe, NM, January 17-21.

ASCCP, Comprehensive Colposcopy Course Faculty, Charlotte, NC, May 17-20.

College of American Pathologists, CAP '07, HPV: The Virus and the Vaccines, Chicago, Sept 30.

College of American Pathologists, CAP '07, The 2006 ASCCP Management Guidelines of Women with Cervical Cytological Abnormalities: what's changed? Co-presenter with Dr. Terry Colgan, Chicago, October 3.

- American Society for Cytopathology, Annual Meeting, The 2006 ASCCP Management Guidelines of Women with Cervical Cytological Abnormalities: what's changed? Co-presenter with Dr. Terry Colgan and Diane Solomon, Houston, Nov 3.
- 2008 ASCCP Biennial 2008 Meeting, Co-Director, Orlando FL. March 16-22.
- American College of OB/Gyn (ACOG), Annual Clinical Meeting, Colposcopy Update: There's a lot that's new in 2008, Course Faculty, New Orleans, May3-4.
- UCSF-Stanford, Current Issues in Pathology, "Cytology Tutorial: Anal Cytology: The Basics", San Francisco, CA May 28.
- ASCCP, Comprehensive Colposcopy, Course Faculty, San Francisco, August 7-10.
- ASCCP, High Resolution Anoscopy Workshop, Co-Director and Course Faculty, San Francisco, August 8-10.
- 2008 UCSF Practical Diagnostic Update in Gynecologic & Breast Pathology: "Cervical Dysplasia Update: The New ASCCP Guidelines", San Francisco, CA, August 29-30, 2008.
- American College of OB/Gyn (ACOG), Update on Cervical Diseases, Course Faculty, Charleston, SC, September 18-20, 2008.
- College of American Pathologists, CAP '08, The 2006 ASCCP Management Guidelines of Women with Cervical Cytological Abnormalities: what's changed? Co-presenter with Dr. Terry Colgan, San Diego, September 25.
- College of American Pathologists, CAP '08, Testing for Human Papillomavirus in the Vaccine Era. Co-presenter with Dr. David Wilbur, San Diego, CA, September 26.
- 2009 American College of OB/Gyn (ACOG), Annual Clinical Meeting, Colposcopy Update: Colposcopy Update 2009, Course Faculty, Chicago, May 2-3.
- PICSM, Symposium on Progress in Cervical Cancer Screening and Management of Cervical Abnormalities in Adolescents and Young Women, Burdens & Challenges: Cytology, Colposcopy, and Histology in Adolescents, NCI Bethesda, Maryland June 19-20.

College of American Pathologists, CAP '09, The 2006 ASCCP Management Guidelines of Women with Cervical Cytological Abnormalities: what's changed? Co-presenter with Dr. Terry Colgan, Washington DC, October 11-14.

College of American Pathologists, CAP '09, Testing for Human Papillomavirus in the Vaccine Era. Co-presenter with Dr. David Wilbur, Washington DC, October 11-14.

American College of OB/Gyn (ACOG), Update on Cervical Diseases, Course Faculty, New York City, December 3-6, 2009.

ASCCP, High Resolution Anoscopy Workshop, Course Faculty, Naples, Florida; December 12.

2010

MeDC's 6th Annual Update Reproductive Health and Medical Leadership, (Planned Parenthood). What's New in the Laboratory? New Technologies: Screening and Diagnosis of Cervical Neoplasia; HPV and the Anus; Salt Lake City, February 26-28.

Society of Gynecologic Oncologists; Update: Cervical Cancer Screening and Prevention; San Francisco, CA, March 16.

ASCCP Biennial 2010 Meeting, Co-Director, Las Vegas, NV, March 24-27, 2010.

American College of OB/Gyn (ACOG), Annual Clinical Meeting, Colposcopy Update: Colposcopy Update 2010, Course Faculty, San Francisco, May 15-16.

UCSF Current Issues in Pathology, Cytology Seminar: Anal Cytology, San Francisco, CA, June 2.

ASCCP, High Resolution Anoscopy Workshop, Course Faculty, San Francisco, August 12-15, 2010.

ASCCP, Comprehensive Colposcopy, Course Faculty, San Francisco, August 12-15, 2010.

American College of OB/Gyn (ACOG), Update on Cervical Diseases, Course Faculty, Key Biscayne, FL, October 6-9.

American Osteopathic College of Pathologists, National Meeting, "Anal Cancer Screening", San Francisco, October 26.

American College of OB/Gyn (ACOG), Update on Cervical Diseases, Course Faculty, Las Vegas, November 3-6.

2011

ASCCP, High Resolution Anoscopy Workshop, Course Faculty, Atlanta, GA, April 8-10, 2011.

American College of OB/Gyn (ACOG), Annual Clinical Meeting, Colposcopy Update: Colposcopy Update 2011 and Interactive Case Session, Course Faculty, Washington DC, April 30-May2.

ASCCP, High Resolution Anoscopy Workshop, Course Faculty, San Francisco, August 12-13, 2011.

College of American Pathologist, CAP 11: The Last Project: Preliminary Findings. Grapevine, Texas. September 13, 2011.

ASCP Annual Meeting. Invited Speaker. "Wart's New". Las Vegas, NV, October 20, 2011.

American College of OB/Gyn (ACOG), Update on Cervical Diseases, Course Faculty, New York City, December 1-3, 2011.

2012

CAP-ASCCP LAST Project Consensus Conference: Steering committee Co-chair, March 12-14, San Francisco, CA.

ASCCP 2012 Biennial meeting, The LAST Project: Summary and recommendations, San Francisco, March 16, 2011.

ASCT Annual Meeting: Anal Cytology Video-microscopy Tutorial, April 13, Seattle, WA.

Indian Health Service, Colposcopy Update, Albuquerque, NM, April 18-20, 2012.

ASCCP, Comprehensive Colposcopy, Course Faculty, Providence RI, April 26-29, 2012.

ASCCP, High Resolution Anoscopy Workshop, Course Faculty, Providence RI, April 27-29, 2012.

American College of OB/Gyn (ACOG), Annual Clinical Meeting, Colposcopy Update: Colposcopy Update 2012. May 5-6, 2012 San Diego, CA.

American College of OB/Gyn (ACOG), Annual Clinical Meeting, Interactive Case Session: Contemporary Management of the Pap Test, May 8, 2012, San Diego, CA.

ASCP, High Resolution Anoscopy Workshop, Course Faculty, San Francisco, CA, August 9-12, 2012.

CAP 12, The LAST Project, San Diego, CA, September 10-12, 2012.

ASCCP advanced Colposcopy Course, Multiple lectures, Tampa, FL, Oct 26-28, 2012.

ASCP Annual Meeting, The LAST Project, Boston, MA, November 1, 2012.

American Society of Cytopathology Annual Meeting, Video-microscopy Tutorial and The LAST Project, Nov 4-5, 2012.

Meet the Experts: Anal Cytology Screening: Why? Who? How? Webinar with Dr. Joel Palefsky. Nov 8, 2012

American College of OB/Gyn (ACOG), Update on Cervical Diseases, Course Faculty, Las Vegas, NV, November 29-December 1, 2012.

2013

ASCCP, High Resolution Anoscopy Workshop, Course Faculty, Atlanta, GA April 18-20, 2013.

American College of OB/GYN (ACOG), Annual Clinical Meeting, Postgraduate Course: Colposcopy Update 2013: New Guidelines for Screening, Terminology, and Management, May 3, 2013, New Orleans, LA.

American College of OB/Gyn (ACOG), Annual Clinical Meeting, Clinical Seminar: New Pap test and Management Guidelines, May 6, 2013, New Orleans, LA.

ASCCP, High Resolution Anoscopy Workshop, Course Faculty, San Francisco, CA. August 14-17, 2013.

ASCP Annual Meeting, The LAST Project, Chicago, IL, September 20, 2012.

CAP 13, The LAST Project, Orlando, FL, October 13, 2013.

American Society of Cytopathology Annual Meeting, Video-microscopy Tutorial Anal cytology, Orlando, FL, Nov 8-12, 2012.

American College of OB/Gyn (ACOG), Update on Cervical Diseases, Course Faculty, Chicago, IL December 12-14, 2013.

2014

Massachusetts General Hospital. Anal cancer screening. Jan 27, 2014

ASCCP Biennial Meeting, The CAP-ASCCP LAST Project. Scottsdale, AZ April 10, 2014.

American College of OB/Gyn (ACOG), Annual Clinical Meeting, Postgraduate Course: Colposcopy Update 2014: New Guidelines for Screening, Terminology, and Management, Chicago II. Apr 26-27, 2014

American College of OB/Gyn (ACOG), Annual Clinical Meeting, Clinical Seminar: New Pap test and Management Guidelines. April 28, 2014

ASCCP, High Resolution Anoscopy Workshop, Course Faculty, Denver, CO. July 15-19, 2014.

CAP 14, The LAST Project - Polishing the Gold Standard. Chicago, IL. September 2014.

ASCP Annual Meeting, The LAST Project, Tampa, FL. October 2014

ASC Annual Meeting, Anal Cytology Videomicroscopy Tutorial and Advanced Multi-headed Microscope Tutorial, Dallas, TX Nov 14-16, 2014

American College of OB/Gyn (ACOG), Update on Cervical Diseases, Course Faculty, New York, NY. December 4-6, 2014.

American College of OB/Gyn (ACOG), Annual Clinical Meeting, Postgraduate Course: Colposcopy Update 2015: New Guidelines for Screening, Terminology, and Management, San Francisco, May 2-6, 2015

2015

USCAP Annual Meeting - CAP Companion Meeting. From Top to Bottom: Biomarkers and Human Papilloma Virus Associated Tumors of the Anogenital Region and Head and Neck. Boston, MA. March 23, 2015.

American College of OB/Gyn (ACOG), Update on Cervical Diseases, Course Faculty, Chicago, April 23-25, 2015

American College of OB/Gyn (ACOG), Annual Clinical Meeting, Postgraduate Course: Colposcopy Update 2015: New Guidelines for Screening, Terminology, and Management, San Francisco, CA. May 4, 2015

ASCCP, High Resolution Anoscopy Workshop, Course Faculty, San Diego, CA. July 22-26, 2015.

American Society of Dermatopathology, Annual Meeting. Invited speaker. San Francisco, CA. October 10, 2015

American Society for Cytopathology, Annual Meeting. Seminar Chair and Sign-out with the Professor. Chicago, IL. November 14-16, 2015.

2016	ASCCP Annual Meeting. Case-based course. New Orleans, LA. April 13, 2016	Faculty Member
	American College of OB/Gyn (ACOG), Annual Clinical Meeting, Postgraduate Course: Colposcopy Update 2016: New Guidelines for Screening, Terminology, and Management. Washington DC, May 16, 2016	Faculty Member
	UCSF Current Issues in Pathology. San Francisco, CA. May 26, 2016.	Faculty Member
	ASCCP, High Resolution Anoscopy Workshop, Course Faculty, Providence, RI. July 27-30, 2016.	Faculty Member
	Educate the Educators, Course Faculty, Providence, RI. July 28, 2016	Faculty Member
	ASCCP, Comprehensive Colposcopy, Course Faculty, Phoenix, AZ. October 26-29, 2016.	Faculty Member
2017	Lenox Hill Hospital, Norwell Health. Anal Cancer Screening: Why? Whom? How? New York City, NY. February 2, 2017.	Invited Speaker
	Memorial Sloan-Kettering Cancer Center. Anal Cancer: Another HPV-associated cancer. New York City, NY. April 26, 2017.	Visiting Professor 2017
	Indian Health Service, Colposcopy Update, Albuquerque, NM, May 15-16, 2017.	Faculty Member
	American Society of Colon and Rectal Surgeons, Annual Meeting, Seattle, WA June 10, 2017.	Faculty Member
	ASCCP, High Resolution Anoscopy Workshop, Course Faculty, San Diego, CA. July 26-29, 2017.	Faculty Member
	Southwestern Gynecologic Assembly 2017. Dallas, TX. December 1-2, 2017.	Invited Speaker
2018	American Society of Colon and Rectal Surgeons, Annual Meeting, Nashville, Tennessee. June 19, 2018.	Faculty Member
	UCSF Current Issues in Pathology. San Francisco, CA. May 25, 2018.	Faculty Member
	ASCCP, Comprehensive Colposcopy, Course Faculty, Denver, CO. July 25-28, 2018.	Faculty Member
2020	2020 Indian Health Review and Update on Colposcopy and HPV. Albuquerque, NM. February 18, 2020.	Faculty Member
	ASCCP Annual Scientific Meeting on Anogenital & HPV-Related Diseases March 31 - April 3, 2020 Orlando, Florida. Changed to virtual meeting.	Session Moderator

	ASC Cyto-econference. ASCCP Risk-Based Consensus Guidelines for Management of Abnormal Cervical Cancer Screening Results.. August 25, 2020.	Invited Speaker
2021	2021 Indian Health Service Basic and Refresher Colposcopy Courses. Virtual. February 10-12, 2021	Faculty Member
	2021 Annual Scientific Meeting, American Society of Colon & Rectal Surgeons.AIN & HRA: What the Colorectal Surgeon Needs to Know. Virtual. April 24, 2021	Faculty Member
	ASCCP, Comprehensive Colposcopy, Course Faculty, San Diego, CA. October 27-30, 2021.	Faculty Member
2022	2022 Indian Health Service. Virtual Colposcopy Course. March 11, 2022.	Faculty Member
	ASCCP Annual Scientific Meeting. San Diego, CA. March 31-April 3, 2022.	Session Moderator
	UCSF Current Issues Virtual Meeting May 26, 2022.	Faculty Member
2023	2023 Indian Health Service Basic and Refresher Colposcopy Courses. Albuquerque, NM. March 29-31, 2023	Faculty Member
2024	2024 Colposcopy & HPV Refresher and Update Course: IHS/Tribal/Urban. Albuquerque, NM. March 12, 2024	Faculty Member
	ASCCP Annual Scientific Meeting. New Orleans, LA. May 2-4, 2024	Invited Speaker

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

1988	California College of Podiatric Medicine, "Thyroid," "Bone Tumors I & II", San Francisco, CA. California Society for Histotechnology, Northern Chapter, "AIDS: An Overview," SF, CA, April 12. California Society of Cytotechnologists, "AIDS: Safety in the Laboratory," San Francisco, CA, Oct 1.
1989	California College of Podiatric Medicine, "Thyroid," "Pathology of AIDS," National Board Review, "Bone Tumors I & II," First Quarter Review, San Francisco, CA. California Society for Histotechnology, Annual Symposium/Convention, "AIDS: An Overview," San Mateo, CA, May 21.
1990	California College of Podiatric Medicine, "Thyroid," "Pathology of AIDS," Second Quarter Review, National Board Review, "Bone Tumors I & II," First Quarter Review, San Francisco, CA.

- California Society for Histotechnology, Northern Chapter, "Pathology of AIDS," Berkeley, CA, April 12.
- Tumor Registry Training Program, "Introduction to the Pathology of Neoplasia," San Francisco, CA, Aug 7 and Nov 6.
- 1991 Urology Resident Teaching Grand Rounds, "Testicular Pathology," UCSF, San Francisco, CA, Feb 27.
- Fine Needle Aspiration Tutorials, Advanced tutorial, UCSF, San Francisco, CA, Oct 12.
- California Society of Cytotechnologists, "Clinical Aspects of the Abnormal Pap Smear, SF, CA, Nov. 16.
- 1992 Education Programs Associates, "Introduction to Colposcopy and Slide Review," Campbell, CA, Jan 14.
- Education Programs Associates, "Pathology of the Uterine Cervix," Campbell, CA, Jan 14, May 12, Sept 15.
- UCSF Department of Pathology Grand Rounds, "Pathology of the Uterine Cervix," SF, CA, August 5.
- 1993 Education Program Associates, "Pathology of the Uterine Cervix," Campbell, CA, Jan 4, May 3, Oct 11.
- Bay Area Seminars in Cytopathology, "Epithelial Changes Induced by Papilloma Viruses," San Francisco, CA, January 14.
- UCSF Department of Ob/Gyn, Resident Core Lecture, "The Bethesda System," SF, CA, April 13.
- 1994 Education Program Associates, "Pathology of the Uterine Cervix," Campbell, CA, Jan 3; May 2; Santa Rosa, Sept 28.
- 1995 Education Program Associates, "Pathology of the Uterine Cervix," Campbell, CA, Feb 20, May 9, Oct 9.
- Bay Area Seminars in Cytopathology, "Gynecologic Cytology," San Francisco, CA, February 9.
- California Association of Cytotechnologists, "Colposcopy and HPV related lesions," SF, CA, April 1.
- Bay Springs Medical Group, "The Pap Smear," San Francisco, CA, May 1.
- 1996 Education Program Associates, "Pathology of the Uterine Cervix," Campbell, CA, January 8, May 6.
- 1997 Bay Area Seminars in Cytopathology, "AGUS"; "GYN Cytology: Thin-layer Preparation," San Francisco, CA, Feb 12-13.

- Education Program Assoc., "Pathology of the Uterine Cervix," Campbell, CA, Jan 28, May 18, 19.
- Women's Health 2000: "The Pap Smear," San Francisco, CA, March 8.
- UCSF, Fresno Campus, Dept. Ob/Gyn, Grand Rounds: "Gyn Pathology, What's New?" Fresno, CA, June 5.
- Basic Colposcopy Education Program, Education Program Associates, Inc., "Risk Factors"; "Pap Technique"; "Correlation of T-Zone and Pap Cyto/Pathology of the Cervix," Campbell, CA, October 6.
- UCSF, Department of Obstetrics, Gynecology, and Reproductive Sciences, Grand Rounds, "Gynecologic Cytology: What's New?" San Francisco, CA, October 21.
- UCSF Department of Obstetrics, Gynecology, and Reproductive Sciences, Grand Rounds, "GYN Pathology Conference: AGUS Paps," San Francisco, CA, October 28.
- 1998 Projects in Knowledge, "Controversies in Cervical Cancer Screening," San Francisco City Club, Apr 14.
- Summer Health Care, Northeastern Ohio Medical College, Department of Ob/Gyn Grand Rounds, "Gyn Cytology: What's New," May 15.
- California Society of Cytotechnologists, "Anal Neoplasia, San Francisco, June 7.
- 1999 Surgical and Gynecological Oncology: Symposia on ThinPrep Paps, March 22, San Francisco CA.
- UCSF GYN Resident's Core Lecture: Gyn Cytology, San Francisco, CA, May 18.
- Education Program Associates: Basic Colposcopy Education Program, Campbell, CA, Feb 22, Oct 11.
- Hutzel Hospital/Wayne State University: Ob/Gyn Grand Rounds, GYN Cytology: What's New? Detroit, MI, October 5.
- 2000 UCSF Departments of Pathology/Laboratory Medicine Grand Rounds, "What Does Squamous Carcinoma Look Like? A Diagnostic Perspective," San Francisco, CA, January 18.
- California Family Health Council, Basic Colposcopy Education Program, Campbell, CA, Feb 7, Oct 2.
- UCSF GYN Resident's Core Lecture: GYN Cytology: Atypical Glandular Cells, SF, CA, June 13.

- Local Education Lectures, "Improving Accuracy of Cervical Screening," Portland OR, Sept. 14.
- 2001 St. Luke's Hospital, San Francisco: Grand Rounds: "Improving Accuracy of Cervical Screening," San Francisco, CA, Feb 15.
- UCSF Departments of Pathology/Laboratory Medicine Grand Rounds, "Anal Dysplasia and Cancer: Charting the Course of a New Clinical Entity," San Francisco, CA, October 30.
- California Family Health Council, Basic Colposcopy Education Program, "Risk Factors, Pap Technique, Correlation of T-Zone and Pap Cyto/Pathology of the Cervix" Campbell, CA, Nov 5- 9.
- California Society of Pathologists 54th Annual Convention, Annual Symposium: Update in GYN Cytopathology, San Diego, CA, Nov 28.
- 2002 Medical Education Programs, "Recent Advances in Gyn Cytology," Los Angeles, CA, March 5.
- Medical Education Programs, "Update on Gyn Cytology," Long Beach, CA, March 26.
- Grand Rounds, Marin General Hospital, "Bethesda 2001 Update", San Rafael, CA, Nov 13.
- 2003 3M Teaching Series, Anal Cancer: An Emerging Problem, Fort Lauderdale, FL, September 18.
- California Society of Pathologists 55th Annual Convention, Gyn cytology - Glandular lesions, San Francisco, CA, December 3-6.
- 2004 UCSF GYN Resident's Core Lecture: Bethesda 2001, San Francisco, CA, Feb 10.
- Grand Rounds, Dominican Hospital, Bethesda 2001 Update: Glandular Lesions, Santa Cruz, CA, March 26.
- Baysprings Medical Group, Liquid-Based Cytology, San Francisco, CA, May 5.
- California Family Health Council, Basic Colposcopy Education Program, "Risk Factors, Pap Technique, Correlation of T-Zone and Pap Cyto/Pathology of the Cervix" Campbell, CA, May 21.
- California Society of Cytotechnologists, Annual Meeting. "Bethesda 2001 Updates: Glandular Cell Abnormalities" and "Anal Cytology Workshop," Santa Clara, CA, June 5.

- Grand Rounds, Sutter Warrack Hospital, "What's New in Cervical Cancer Screening", Santa Rosa, CA, June 15.
- 2005 UCSF GYN Resident's Core Lecture: "Atypical glandular cells: Diagnosis and management". San Francisco, CA, May 24.
- UCSF Pathology Residents, Teaching Conference, "Gynecologic Cytology", San Francisco, CA, May 25, June 1, June 8.
- UCSF Radiation Oncology Grand Rounds: "HPV-related disease of the Anus", San Francisco, CA, August 19.
- WIHS In-service: Glandular Diseases of the Cervix, San Francisco, August 25.
- California Pacific Medical Center, "Glandular Lesions of the Cervix", San Francisco, CA, November 4.
- 2006 Kaiser Regional Laboratory: "Glandular Lesions of the Cervix", Berkeley, CA, February 16.
- Northern California Kaiser, Pathology Meeting, "Updates: HPV-Related Disease of the Cervix", October 21.
- 2007 New York State Society of Pathologists: "Anal Cytology: The Basics", Syracuse, NY, May 5.
- WIHS In-service, HPV and the anus, San Francisco, August 23.
- 2008 Mt. Sinai Medical Center: "Anal Cytology: The Basics", New York City, February 22.
- Mt. Sinai Medical Center: "Anal Cytology and Histology: Microscopic Tutorial", New York City, February 22.
- Albert Einstein College of Medicine: "HPV and the Anus", New York City, February 22.
- UCSF Pathology Residents, Teaching Conference, "Gynecologic Cytology I and II" and microscopic unknown session, San Francisco, CA, April 23 and April 28.
- Santa Barbara Cottage Hospital, Grand Rounds, "HPV and the Anus" Santa Barbara, CA, October 23.
- 2009 UCSF Pathology Residents, Teaching Conference, "HPV-related Lower genital tract disease and more", San Francisco, CA, June 3, June 5 and June 12.
- 2010 UC Davis, Pathology Department Grand Rounds. "What's new in anal cancer screening?" HPV and the Anus. Sacramento, CA April 5.

- 2011 UCSF Pathology Residents, Teaching Conference, "Cervical cancer screening: What's new in the laboratory", "The Bethesda System: Squamous abnormalities", "The Bethesda System: Glandular abnormalities", San Francisco, CA, May 20,25, and 27, 2011.
- UCSF Pathology Residents, Teaching Conference, Gynecologic Cytology Part 1 and 2, San Francisco, CA, December 7 and 9, 2011.
- 2012 University of New Mexico, OB/GYN Grand Rounds, Anal Cancer Screening, Albuquerque, NM, April 20, 2012.
- Inland Northwest Academy of Family Physicians: Primary Care Update. Anal Cancer Screening:When, How and Who; Spokane, WA, May 4, 2012.
- 2013 Kaiser Santa Clara, Department of Ob/Gyn. Updated Cervical Screening and Management Guidelines. Santa Clara, CA July 25, 2014.
- 2015 UCSF Pathology Residents, Teaching Conference. Bethesda System Updates and the LAST Project. June 15-16, 2015.
- UCSF Gyn Oncology Fellows' Didactic Lecture. The LAST Project. August 25, 2015
- 2016 UCSF Pathology Residents, Teaching Conferences. and Glass Slide Review. November 21, November 23 and November 28, 2016.
- 2017 UCSF Pathology Residents, Teaching Conferences. October 30 and November 3, 2017.
- 2018 UCSF Pathology Residents, Teaching Conferences. Cervical Cancer Screening. October 12, 2018.
- 2019 UCSF Pathology Residents, Teaching Conferences. Anal Cancer Screening. February 11, 2019.
- UCSF Pathology Residents, Teaching Confereces. Cervical Cancer Prevention. October 14, 2019.
- UCSF Pathology Residents, Teaching Conferences. Anal Cancer Prevention. October 25, 2019.
- 2020 UCSF Cytopathology Fellows Didactic Talks: Anal Cancer Screening. August 14, 2020
- UCSF Pathology Residents, Teaching Conferences. HPV-associated anogenital lesions: Part 1 and 2. November 2 and 4, 2020.

2021	UCSF Pathology Residents, Teaching Conferences. HPV-associated anogenital lesions: Part 1 and 2. October 18 and 20 2021	
2022	Harborview-UCLA Pathology Department Virtual Grand Rounds. Anal Cancer Screening. April 22, 2022.	Invited speaker

GOVERNMENT AND OTHER PROFESSIONAL SERVICE

1999 - 1999	NAIAD Scientific Review Panel/Special Emphasis Panel (STDs)	Panel Member
2001 - 2001	National Cancer Institute, Bethesda 2001: Specimen Adequacy Forum	Co-moderator
2001 - 2001	NIH/ASCCP Consensus Conference on the Management of Cytologic Abnormalities and Cervical Cancer Prevention	Delegate-at-large
2004 - 2004	California State Assembly, Testimony in support of SB35, Re: Cytotechnologists' workload limits	Business and Professions Committee
2004 - 2005	22nd International HPV Conference	Planning Committee Member
2005 - 2006	2006 NIH/ASCCP Consensus Conference on the Management of Cytologic Abnormalities and Cervical Cancer Prevention	Delegate-at-large
2005 - 2020	Women's Interagency HIV Study: Cancer / Pathology Work Group	Member
2007 - 2009	College of American Pathologists, Steering Committee, Cytology Proficiency Testing Improvement Coalition, ASCCP Representative: HR 1237: and S.2510 Cytology Proficiency Testing Legislation	ASCCP Representative
2008 - present	California Department of Health Care Services, Cancer Detection Section, Cervical Expert Work Group	Member
2009 - 2009	Practice Improvements in Cervical Screening and Management (PICSM): Steering committee, Adolescent & Young Women sub-group	Member
2010 - 2011	ASCCP/PICSM: The Role of Molecular Testing Symposium. Working group #4: Exiting Women from Screening	Member
2010 - 2012	CAP-ASCCP LAST Project: Standardization of terminology for histopathology of HPV-related squamous ano-genital disease	Co-Chair, Steering Committee

2013 - present	International Agency for Research on Cancer (IARC) -- ESTAMPA study	Central Coordinating Group
2017 - 2023	NCI AIDS Malignancy Consortium, HPV Working Group	Member
2017 - 2023	NCI AIDS Malignancy Consortium, Translational Sciences Working Group	Member
2017 - present	NCI ANCHOR study: Laboratory, Quality Assurance, and Investigators' Committees	Member
2018 - 2019	International Conference on Malignancies in HIV/AIDS (ICMH)	Planning Committee, Member
2018 - 2019	FDA: Microbiology Devices Panel of the Medical Devices Advisory Committee, Center for Devices and Radiological Health	Consultant
2020 - present	World Health Organization (WHO) Guideline Development Group for Screening and Treatment (Screen and Treat) to Prevent Cervical Cancer	Group Member
2020 - present	National Cancer Institute: Enduring Consensus Cervical Cancer Screening and Management Guidelines Committee	Committee Member
2021 - 2022	American Cancer Society. Transitioning to Primary HPV Screening Project, Laboratory Infrastructure Work group	Work group Co-Chair
2022 - present	WHO Guideline Development Group (GDG) for the Living Recommendations and Systematic Reviews (LSR) on Screening and Treatment to Prevent Cervical Cancer (LSR GDG).	Member and Sub-group Member

UNIVERSITY AND PUBLIC SERVICE

SERVICE ACTIVITIES SUMMARY

As recall faculty, my professional pro bono activities have primarily been working with the Enduring Consensus Cervical Cancer Screening and Management Guidelines Committee under the auspices of the National Cancer Institute in the United States, the World Health Organization [WHO] and its cancer research arm, the International Agency for Research on Cancer [IARC].

For WHO, I remain actively involved with the Living Systematic Review Guideline Development Group for Screening and Treatment (Screen and Treat) to Prevent Cervical Cancer.

For IARC, I provide consultation for the EASTER and LAOS studies; I am also on the DSMB for the EASTER study.

UCSF CAMPUSWIDE

1999 - 2001 Chancellor's Advisory Committee on the Status of Women.

SCHOOL OF MEDICINE

1988 - 1989	Medical Student Admissions Committee	
1990 - 1991	Medical Student Admissions Committee, Emergency Interviewer	
1994 - 1997	UCSF Cancer Committee	
1997 - 2000	UCSF Practice Guidelines Committee: Management of Abnormal Cervical Cytology	
2017 - 2017	Department Chair Stewardship Review Committee, School of Medicine	Member

DEPARTMENTAL SERVICE

1990 - 2013	Colposcopy Training, Preceptor, UCSF Dysplasia Clinic	
1991 - 1994	Resident Selection Committee, Dept. of Pathology	Member
1998 - 2002	Medical Student Pathology Course	Gyn section leader
2002 - 2023	Cytopathology Attending Service Schedule	Administrative
2014 - 2023	Cytopathology Fellowship Program Evaluation Committee	Member
2014 - 2017	Search Committee for Director of Cytopathology, Department of Pathology	Member
2020 - 2020	Internal Search Committee for Cytopathology Fellowship Director, Department of Pathology	Member

COMMUNITY AND PUBLIC SERVICE

1997 - 2007	Plaza Veterinary Hospital, ½ day per week	Volunteer
2004 - 2004	California State Assembly, Testimony in support of SB35, Re Cytotechnologists' workload limits.	Business and Professions Committee
2004 - 2013	New Century Chamber Orchestra	Member, Board of Directors
2006 - 2008	New Century Chamber Orchestra	Chair, Development Committee
2007 - 2009	College of American Pathologists, Cytology Proficiency Testing Improvement Coalition, ASCCP Representative: HR 1234: and S.2510 Cytology Proficiency Testing Legislation.	Steering Committee
2009 - 2011	Supporting Network, a non-profit on-line support network for grieving parents	Member, Board of Directors

TEACHING AND MENTORING

TEACHING SUMMARY

As recall faculty, I continue to be invited to speak at national and international meetings of professional societies. My expertise is in the fields of HPV-associated cervical and anal cancer prevention, including screening, diagnosis and management.

FORMAL TEACHING

	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2000 - 2021	ASCCP Comprehensive Colposcopy: 3-4 day CME course	Course faculty: multiple lectures and workshops		200-250
	2003 - 2017	Life Cycle/Epilogue! Ovarian and Endometrial Cancers	Co-Lecturer	Medicine	150
	2003 - 2016	Pathology 105: Common Diseases of the female genital tract	Lecturer	Medicine	150
	2006 - 2017	ASCCP High Resolution Anoscopy: 2-3 day CME course	Co-Director (through 2014), lectures and workshops		75
	2008 - 2015	American College of Ob/Gyn: 3 day free-standing CME course	Course faculty: multiple lectures and workshops		100
	2008 - 2016	American College of Ob/Gyn: 1-2 day CME course at Annual Clinical Meeting	Course faculty: multiple lectures		100
	2014 - 2023	International Anal Neoplasia Society Advanced High-resolution Anoscopy Course	Course faculty		~50
	2017 - 2024	Indian Health System Colposcopy Review and Update	Course Faculty		125
	2018 - 2023	International Anal Neoplasia Society Basic HRA Course	Course Faculty		75-100

INFORMAL TEACHING

2003 - 2024 When pathology residents are rotating on the cytology service, I give informal teaching sessions on gynecologic cytology including a quiz at the end of their rotation to document their progress. I also sign-out cytology and biopsy specimens from the UCSF Dysplasia and Anal Neoplasia Clinics with residents and/or fellows at a double-headed microscope on an ad hoc basis.

MENTORING SUMMARY

I have formally mentored three faculty members in the Department of Pathology. However, those that I have informally mentored include college students, medical students, resident, fellows, and physicians in multiple disciplines in clinical practice both nationally and abroad. It is extremely gratifying to have those that I have trained and collaborated with consider me a ☐mentor☐. It is an important part of the professional legacy that I hope to leave behind.

FACULTY MENTORING

Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
2011 - 2014	Anna Berry, MD	Associate Clinical Professor	Career Mentor	Faculty Mentor	Director of Molecular Pathology at CellNetix; Seattle, WA
2014 - 2023	Sarah Calkins, MD	Associate Clinical Professor	Career Mentor	Faculty Mentor	Private Practice
2015 - 2016	Tara Saunders, MD	Clinical Instructor	Career Mentor	Faculty Mentor	Private Practice

VISITING FACULTY MENTORED

2002 - 2002	Gabriele Medley, MBBS - Director Emeritus	Victorian Cytology Service, Melbourne, Australia
2010 - 2010	Jennifer Roberts, MBBS - Staff Pathologist	Douglas Hanly Moir Pathology, Sydney Australia
2012 - 2012	Francesco Feoli, MD - Chef de Service	Institut Bordet, Brussels, Belgium
2016 - 2016	Paul Jibrin, MD - Consultant Pathologist	The National Hospital, Abuja, Nigeria

RESEARCH AND CREATIVE ACTIVITIES**RESEARCH AND CREATIVE ACTIVITIES SUMMARY**

My primary research interest is in human papillomavirus (HPV)-associated anogenital neoplasia. For over 30 years, I have been actively involved with multiple clinical research projects investigating HPV-associated anogenital tract disease in men and women, both

immunocompetent and immunosuppressed. I collaborate with researchers in multiple disciplines -- here at UCSF and nationally and internationally. At UCSF, I have been co-investigator on multiple research projects collaborations with Drs. Joel Palefsky (Medicine, Laboratory Medicine and Stomatology), Barbara Moscicki (formerly Pediatrics □ Adolescent Medicine), Ruth Greenblatt (Medicine, Epidemiology), Karen Smith-McCune (Obstetrics and Gynecology) and their teams. In all of these studies, we have investigated HPV-associated anogenital disease in a variety of patient populations.

I have several current collaborations with the National Institutes of Health. For the cervical cancer projects with the National Cancer Institutes in Guanacaste, Costa Rica, I am the QI pathologist for the cervical and anal cancer studies. On a separate NIH project, I am the pathology coordinator for the centralized review of cervical cancers for the HTMCP project for whole genome sequencing of cervical cancer in African women, both HIV-infected and uninfected. With Dr. Nico Wentzensen at the NCI, I am involved a project investigating the role of automated analysis of p16 immunostaining for improved diagnosis of cervical precancers.

In addition, I am continuing with very exciting collaborations with the International Agency for Cancer Research (IARC), the cancer research arm of the World Health Organization. The ESTAMPA study is evaluating cervical cancer screening strategies in fifty thousand women in Latin America. I have provided two 4-day training sessions for ESTAMPA pathologists in Bogota, Columbia (September, 2014) and Cuernavaca, Mexico (February, 2015). I am providing ongoing pathology QI and education for the project. As central pathology reviewer for the study, I have been spending approximately 4 weeks a year at IARC headquarters in Lyon, France reviewing study slides and providing feedback to the sites. More recently, I have contributed my pathology expertise to additional cervical and anal cancer prevention projects with IARC including those in sub-saharan Africa, Bhutan, and France. In January 2019, I was also part of a cervical cancer advisory panel for the WHO in Minsk, Belarus.

In collaboration with Dr. Joel Palefsky, who received a large multi-site award from the NCI, I am the central pathology reviewer for the Anal Cancer/HSIL Outcomes Research Study (ANCHOR). A main study goal is to clarify whether or not treatment of anal HSIL changes the natural history and rate of progression of high-grade lesions to invasive disease. Over 5000 subjects with HIV disease and biopsy-proven anal HSIL will be followed for 5 or more years. The two study arms are treatment of anal HSIL and active observation. I am also the designated central pathology reviewer for HPV studies in the AIDS Malignancy Consortium (AMC). I have also been the study pathologist for national multi-site studies funded by the NIH (WIHS) and the CDC (SUN Study, completed) and others.

These ongoing projects, as well as completed studies, have resulted in multiple publications that continue to elucidate the role of HPV in anogenital neoplasia and plan optimal prevention, screening, and management strategies for patients worldwide.

RESEARCH STUDIES

Research Studies, major, ongoing:

ANCHOR: NCI Anal cancer study - Central Pathologist

AIDS Malignancy Consortium (AMC): HPV working group - Multiple studies, Study pathologist and QC pathologist for multiple studies

ESTAMPA: WHO/IARC Cervical cancer screening in Latin America - Central pathologist and Coordinating group

NIH/NCI Guanacaste Costa Rica: Consultant and QC pathologist, cervical and anal cancer studies

Research Studies, major, completed:

ACTG 293 (AIDS Clinical Trial Group): Protocol group, study pathologist

CIN2 in young women, Northern CA Kaiser/UCSF: Study pathologist

GRACE Study (Yale University): Study pathologist

Kaiser Anal Screening Study, Consultant Pathologist

MIRA, HPV substudy, Zimbabwe: (Bill and Melinda Gates Foundation) Consulting Pathologist

New York/Washington DC Gay Men's Study: Consulting pathologist

Paris HPV Study: Study pathologist

REACH Adolescent HIV Study (inter-institutional): Study pathologist

HIV Net Explore Study (multi-site): Study pathologist

SMART (NIH sponsored, multi-site): Study Pathologist

SUN (CDC sponsored): Multi-site: Study pathologist (Ended September 2012)

Teen HPV Natural History Study: Study pathologist (1990-2013)

WIHS (inter-institutional), Anal sub-studies: Study pathologist

HTMCP: Cervical cancer genome sequencing project - Study pathologist and coordinator.

WIHS (Women's Interagency HIV Study), UCSF site: Study pathologist

UCSF Anal Neoplasia Studies: Multiple studies, Study pathologist

RESEARCH AWARDS - CURRENT

- | | | | |
|--------------------------------------|-----------------|---|---------------|
| 1. 3U01CA121947-07S1 | Co-Investigator | 3.6 calendar; 30 % effort | Palefsky (PI) |
| NIH/NCI -- Montefiore Medical Center | | 2013-09-01 | 2025-08-31 |
| ANCHOR Study | | \$ 686,170 (subcontract only) direct/yr 1 | |

The primary objective of this project is to determine the effectiveness of treating anal high-grade intraepithelial neoplasia (HSIL) to reduce the incidence of anal cancer in HIV-infected men and women. Secondary objectives are 1) determine safety of infrared coagulation, electrocautery, iniquimod, 85% trichloroacetic acid and 5-fluorouracil treatments for anal HSIL and 2) collect clinical specimens and data to create a bank of well-annotated specimens that will enable: a) studies of the molecular pathogenesis of progression from precancer to cancer.

Central Pathologist and UCSF Site Pathologist Dr. Darragh will review all pathology slides used to qualify a participant in the ANCHOR study, all biopsies suspicious for or diagnostic of squamous cell carcinoma and will organize an adjudication review should there be a discrepancy between her review and that of the local pathologist.

RESEARCH AWARDS - PAST

- | | | | |
|--|---------|------------|------------|
| 1. R01 CA085178 | (Prime) | | |
| NIH/Nat'l Cancer Institute Albert Einstein College 9-526-4875 Subcontract | | 2012-05-01 | 2014-04-30 |
| HPV & Cervix Neoplasia in Large Long Term HIV | | | |
| Evaluate all CIN biopsy H&Es in this study and provide input regarding cervical pathology. | | | |
| Role: PI | | | |

-
- | | | | |
|----------------|--|--|------------|
| 2. 14-NIH-1105 | | | Hwang (PI) |
|----------------|--|--|------------|

Duke University subcontract	2014-03-01	2015-02-28
Novel coherence imaging to evaluate the health of the cervical epithelium NIH		\$ 311,875 total
Will test the clinical feasibility and performance of several novel low coherence interferometry (LCI) tools that will be developed at Duke Universtiy's Department of Bioengineering, to include the multiplex-LCI, a/LCI point probe, wide-area a/LCI, and multimodal LCI. Role: Will provide expert pathology evaluation of all biopsy samples collected at both UCSF and Duke.		
3. R01 CA51323-07		Moscicki (PI)
NIH/NCI	1990-07-01	2014-03-30
"Natural History of HPV in Teens--Infection to Neoplasia"		\$ 1,016,404 total
Aims: Examine the natural history of HPV in a cohort of young women aged 13-22 years and the association between specific risk factors (high level viral persistence, Chlamydia trachomatis, herpes simplex virus, oral contraceptive use, cigarette use, biologic cervical immaturity) and immune response associated with the development of high grade squamous intraepithelial lesion (CIN 2/3)		
4. RC1 A186051-01		Moscicki (PI)
NIH/NIAID	2010-09-23	2011-08-31
"Mucosal immune response of the anus in women to HPV, intercourse, smoking and OCs"		
The goal of this application is to examine mucosal immune profiles in the anus of women to specific environmental exposures, specifically human papillomavirus (HPV), anal intercourse, tobacco and oral contraceptives (OC). Role: Co-Investigator		
5. 1 U01 A1052748-01A1		Stock (PI)
NIH/NIAID	2003-08-15	2012-08-31
"Solid Organ Transplantation in HIV: Multi-Site Study"		
National multi-center trial to assess safety and efficacy of solid organ transplantation in HIV positive patients. Role: Co-Investigator		
6. P-07-020		
Gateway for Cancer Research. Phase II Study for Prevention of Anal Cancer through Use of a Chinese Herbal Topical Cream		

The specific aims of this project are to conduct a Phase II randomized blinded cancer integrative medicine Chinese herb efficacy trial for treatment of anal HSIL in HIV-positive people; identify potential biologic pathways and mechanisms by which the Chinese traditional medicine intervention may have an effect. Role: Co-Investigator

7.	RO1 CA88739 NCI/NIAID Anal HPV Infection and ASIL in HIV+ and HIV-Women"	Co-investigator	2001-05-01	Palefsky (PI) 2008-04-30 \$ 602,927 total
Aims: 1) Study the natural history of anal HPV and ASIL infection among HIV-positive and high risk HIV-negative women in the highly active antiretroviral therapy (HAART) era; 2) Compare these to cervical HPV infection and CSIL; and 3) Analyze genetic changes in ASIL women and compare these to CSIL in the same subjects.				
8.	HHSN261200800590P NIH/NCI A Study Investigating the Association of HPV-Related Biomarkers with the Detection of Anal Precancer and Cancer in HIV-Positive Men Who Have Sex with Men (MSM)	Co-investigator	2008-09-01	Castle (PI) 2009-07-15 \$ 17,290 total
Aims: Evaluate the clinical performance of a variety of biomarkers for identifying anal precancer and cancer in HIV-positive MSM				
9.	FND#21082 Bill & Melinda Gates FND#21082 Preventing HIV by protecting the cervix	Co-investigator	2002-10-01	Padian (PI) 2007-09-30 \$ 13,539,226 total
This Multi-site randomized, controlled trial will measure the effectiveness of the diaphragm in preventing heterosexual acquisition of HIV infection among women.				
10.	U01 A134989 03 NIH/NIAID "Bay Area Women's HIV Study"	Co-Investigator	2 % effort 01/1/2013 \$ 482,444 direct/yr 1	Greenblatt (PI) 12/31/2018
Aims: Study of the natural history of HIV infection and related conditions among women. Role: Co-Investigator Site Pathologist				
11.	P30 Supplement Subcontract NIH/NCI University of Maryland Greenebaum Cancer Center Support Grant Nigerian Anal Cancer	Co-Investigator	2 % effort 8/1/2015	Palefsky (PI) 7/31/2016
To provide training and mentoring to Nigerian trainees on high resolution anoscopy.				

Pathology training for Nigerian pathologist; advisory.			
12. R01CA217715	Co-Investigator	2 % effort	Palefsky (PI)
NIH/NCI		06/01/2017	05/31/2020
New therapeutic HPV vaccines for HIV-infected men \$ 125,000 direct/yr 1 and women			
The aims of this project is to compare the distribution of HPV genotypes and sequence variation of HPV 16 oncogenes in cervical and anal cancers in Russian and American HIV-infected and uninfected men and women, compare expression of PD-L1 and PD-1 in HPV-associated cancers, HSIL and in immune cells, in HIV-infected and HIV-uninfected men and women, characterize HIV-related factors that modulate PD-L1 expression in HPV 16-transformed epithelial cells, characterize HIV-related factors influencing the transformation phenotype of HPV 16-immortalized epithelial cells and Measure the immunogenicity and efficacy of HPV therapeutic vaccine candidates in murine models, and measure the effects of HIV PI and PD-1/PD-L1 binding inhibition on immune response and efficacy.			
Study Pathologist			
13. R01CA232887	Co-Investigator	3 % effort	Tugizov (PI)
NIH/NCI		12/1/2018	12/01/2020
Role of HIV in acceleration of HPV malignancy			
The goal of this project is to investigate the role of HIV in development of HPV-associated cervical and anal cancer.			
Pathology review; advisory			
14. U01 HL146242	Co-investigator	2 % effort	Tien, Aouizerat, Greenblatt (PI)
NIH/NHLBI		4/1/2019	06/30/2020
SF Bay Area MACS/WIHS Combined Cohort Study (MWCCS)			\$ 2,699,911 total
This study will recruit, enroll, and follow 380 men and women with and at risk for HIV over a 7 year study period to study the progression of HIV with specific focus on aging outcomes (cardiac, lung, neurocognitive, and physical function, and cancer), HIV pathogenesis, and health disparities.			
Site Pathologist			
15. 2UM1CA121947	Principle Invertigator	1.6 calendar; 13.3 % effort	Darragh (PI)
NIH/NCI -- Montefiore Medical Center		09/01/2020	08/31/2025
AIDS Malignancy Consortium / Network Research Laboratory			\$ 282,625 total
HPV Work Group studies for the AIDS Malignancy Consortium			
Dr. Teresa Darragh is the primary Central Pathology Reviewer for the AMC HPV studies. She will review lower anogenital biopsy and cytology slides from study subjects at all AMC sites participating in the studies.			
16. R01CA232890	Co-Investigator	0.54 calendar; 4.5 % effort	Chiao, E. (PI)

NIH/NCI -- Baylor College of Medicine (sub) 12/18/2018 11/30/2021
The Effectiveness of High Resolution
Microendoscopy (HRME) in High Grade
intraepithelial Lesions (HSIL) Diagnosis for People Living with HIV \$ 49,147 (including
Indirect Costs)
direct/yr 1

Evaluation of the effectiveness of High Resolution Microendoscopy (HRME) in High Grade
intraepithelial Lesions (HSIL) Diagnosis for People Living with HIV

Dr. Darragh will be providing expert review of gynecologic and anal cytology and histology
slides.

PEER REVIEWED PUBLICATIONS

1. 1985 Darragh TM, Simon RP. Nucleus tractus solitarius lesions elevate pulmonary arterial pressure and lymph flow. Ann Neurol 17:565-569, 1985
2. 1989 Simon RP, Graham B, Bayne LL, Darragh TM. Effect of pulmonary vascular pressure on lung lymph flow following seizures. Chest 93:386-389, 1989
3. 1989 Cao M, Xiao X, Egbert B, Darragh TM, Yen TSB. Rapid detection of cutaneous herpes simplex virus infection with the polymerase chain reaction. J Invest Dermatol 82:391-392, 1989
4. 1990 Wilcox CM, Forsmark CE, Grendell JH, Darragh TM, Cello JP. Cytomegalovirus-associated acute pancreatic disease in patients with acquired immunodeficiency syndrome. Gastroenterology 99:263-267, 1990
5. 1990 Forsmark CE, Wilcox CM, Darragh TM, Cello JP. Disseminated histoplasmosis in AIDS: An unusual case of esophageal involvement and gastrointestinal bleeding. Gastrointest Endosc 36:604-605, 1990
6. 1991 Darragh TM, Egbert BM, Berger TG, Yen TSB. Identification of herpes simplex virus DNA in lesions of erythema multiforme by the polymerase chain reaction. J Am Acad Dermatol 24:23-26, 1991
7. 1991 Wilcox CM, Forsmark CE, Darragh TM, Yen TSB, Cello JP. High-protein ascites in patients with the acquired immunodeficiency syndrome. Gastroenterology 100:745-748, 1991
8. 1992 Wilcox CM, Forsmark CE, Darragh TM, Yen TSB, Cello JP. Cytomegalovirus peritonitis in a patient with the acquired immunodeficiency syndrome. Digest Dis & Sci 37:1288-1291, 1992

9. 1992 PePOSE JS, Buerger DG, Paul DA, Quinn TC, Darragh TM, Donegan E. New developments in sero-logic screening of corneal donors for HIV-1 and hepatitis B virus infections. Ophthalmology 99:879-888, 1992
10. 1993 Moscicki AB, Broering J, Powell K, Klein J, Clayton L, Smith G, Boero S, Darragh TM, Brescia RJ, Palefsky J. Comparison between colposcopic, cytologic, and histologic findings in women positive and negative for human papillomavirus DNA. J Adolescent Health 14(2):74-79, 1993
11. 1994 Williams AB, Darragh TM, Vranizan K, Ochia C, Moss AR, Palefsky JM. Anal and cervical human papillomavirus infection and risk of anal and cervical epithelial abnormalities in HIV-1 infected women. Obstet Gynecol 83:205-211, 1994
12. 1996 Johnston SC, Darragh TM, Simon RP. Postictal pulmonary edema requires pulmonary vascular pressure increases. Epilepsia 37:428-432, 1996
13. 1996 Melbye M, Smith E, Wohlfahrt J, Osterlind A, Orholm M, Bergmann O, Mathiesen L, Darragh TM, Palefsky JM. Anal and cervical abnormalities in women: Prediction by human papillomavirus tests. Int J Cancer 68:559-564, 1996
14. 1997 Darragh TM, Jay N, Tupkelewicz BA, Hogeboom CJ, Holly EA, Palefsky JM. Comparison of conventional cytologic smears and ThinPrep^a preparations of the anal canal. Acta Cytol 41:1167-1170, 1997
15. 1997 Palefsky JR, Holly EA, Ralston ML, Arthur SP, Hogeboom CJ, Darragh TM. Anal cytological abnormalities and anal HPV infection in men with Centers for Disease Control Group IV HIV Disease. Genitourinary Med 73:174-180, 1997
16. 1997 Palefsky JM, Holly EA, Hogeboom CJ, Jay N, Berry M, Darragh TM. Anal cytology as a screening tool for anal squamous intraepithelial lesions. J AIDS Hum Retrovir 14:415-422, 1997
17. 1997 Jay N, Berry M, Hogeboom CJ, Holly EA, Darragh TM, Palefsky JM. Colposcopic appearance of anal squamous intraepithelial lesions: relationship to histopathology. Dis Colon Rectum 40:919-28, 1997

18. 1997 Koss LG, Sherman ME, Cohen MB, Anes AR, Darragh TM, Lemos LB, McCellan BJ, Rosenthal DL, Keyhani-Rofagha S, Schreiber K, Valente PT. Significant reduction in the rate of false negative cervical smears with neural network-based technology (PAPNET Testing System). Hum Pathol 28:1196-1203, 1997
19. 1997 Darragh T, Miller TR. Cytopathology of serous tumors of borderline malignancy. Pathol Case Rev 2:160-164, 1997
20. 1997 Turner MA, Darragh T, M, Palefsky JM. Epithelial-stromal interactions modulating penetration of Matrigel membranes by HPV 16-immortalized keratinocytes. J Invest Dermatol 109:619-625, 1997
21. 1997 Mathur VS, Olson J, Darragh TM, Yen B. Polyoma virus-induced interstitial nephritis in two renal transplant recipients: Case reports and review of the literature. Am J Kid Dis 29:754-758, 1997
22. 1998 Suh-Burgmann E, Darragh TM, Smith-McCune K. Atypical squamous cells of undetermined significance: management patterns at an academic medical center. Am J Obstet Gynecol 178:991-995, 1998
23. 1998 Palefsky JM, Holly EA, Ralston ML, Arthur SP, Jay N, Berry JM, DaCosta MM, Botts R, Darragh TM, Anal squamous intraepithelial lesions in HIV-positive and HIV-negative homosexual and bisexual men: Prevalence and risk factors. J AIDS & Hum Retrovirol 17:320-326, 1998
24. 1998 Palefsky JM, Holly EA, Hogeboom CJ, Ralston ML, DaCosta MM, Botts R, Berry JM, Jay N, Darragh TM. Virologic, immunologic, and clinical parameters in the incidence and progression of anal squamous intraepithelial lesions in HIV-positive and HIV-negative homosexual men. J AIDS & Hum Retrovirol 17:314-319, 1998
25. 1998 Palefsky JM, Holly EA, Ralston ML, Jay N, Berry JM, Darragh TM. High incidence of anal high-grade squamous intraepithelial lesions among HIV-positive and HIV-negative homosexual and bisexual men. AIDS 12:495-503, 1998
26. 1998 Moscicki AB, Shiboski S, Broering J, Powell K, Clayton L, Jay N, Darragh TM, Brescia R, Karowitz S, Miller S, Stone J, Hanson E, Palefsky J. The natural history of human papillomavirus infection as measured by repeated DNA testing in adolescent and young women. J Pediatr 132:277-284, 1998

27. 1998 Smith-McCune KK, Zhu Y, Darragh T, Angiogenesis in histologically benign squamous mucosa is a sensitive marker for nearby cervical intraepithelial neoplasia. *Angiogenesis* 2:135-142, 1998
28. 1999 Moscicki A, Hills NK, Shiboski S, Darragh TM, Jay N, Powell K, Hanson E, Miller SB, Farhat S, Palefsky J. Risk factors for abnormal anal cytology in young heterosexual women. *Cancer Epidemiol, Biomarkers & Prevention* 8:173-8, 1999
29. 1999 Moscicki AB, Burt VG, Kanowitz S, Darragh TM, Shiboski S. The significance of squamous metaplasia in the development of low grade squamous intraepithelial lesions in young women. *Cancer* 85(5):1139-1144, 1999
30. 2000 Moscicki AB, Ellenberg JH, Vermund SH, Holland CA, Darragh TM, Crowley-Nowick PA, Levin L, Wilson CM. Prevalence and risks for cervical human papillomavirus infection and squamous intraepithelial lesions in adolescent girls: Impact of infection with human immunodeficiency virus. *Arch Pediatr Adolescent Med* 154(2):127-134, 2000
31. 2000 Little VR, Leavenworth JD, Darragh TM, Kosinski LA, Moore DH II, Smith-McCune KK, Warren RS, Palefsky JM, Welton ML. Angiogenesis, proliferation and apoptosis in anal high-grade squamous intraepithelial lesions (HSIL). *Dis Colon Rectum* 43(3):346-352, 2000
32. 2000 Massad LS, KIRSTEIN L, Darragh TM, Bitterman, P, Sidawy M, Munderspach L, Abulafia O, Salzer E, Watts H, Melnick S. Interobserver variability in diagnosis of cervical biopsies from women with HIV-1: Results from the Women's Interagency HIV Study. *J Lower Genital Tract Dis* 4:190-194, 2000
33. 2000 Ancheta E, Perry J, Bernard-Pearl L, Darragh T, Smith-McCune K. Participant of the ASCCP 2000 Biennial Meeting adhere to published guidelines in their management of atypia on Pap test. *J Lower Genital Tract Dis*, 7:279-284, 2003. PMID: 17051084
34. 2001 Haga T, Kim, SH, Jensen R, Darragh TM, Palefsky JM. Detection of genetic changes in anal intraepithelial neoplasia (AIN) of HIV-positive and HIV-negative men. *J Acquir Immune Defic Syndr* 26(3):256-262, 2001
35. 2001 Holly EA, Ralston ML, Darragh TM, Greenblatt RM, Jay N, Palefsky JM. Prevalence and risk factors for anal squamous intraepithelial lesions women. *J Natl Cancer Inst* 93(11):843-849, 2001

36. 2001 Moscicki AB, Hills N, Shiboski S, Powell K, Jay N, Hanson E, Miller S, Clayton L, Farhat S, Broering J, Darragh TM, Palefsky J. Risks for incident human papillomavirus infection and low grade squamous intraepithelial lesion development in young females. JAMA 285(23):2995-3002, 2001
37. 2001 Palefsky JM, Holly EA, Ralston ML, Da Costa M, Bonner H, Jay N, Berry JM, Darragh TM. Effect of highly active antiretroviral therapy on the natural history of anal squamous intraepithelial lesions and anal human papillomavirus infection. J Acquir Immune Defic Syndr 28(5):422-428, 2001
38. 2001 Massad LS, Schneider M, Watts H, DARRAGH TM, Abulafia O, Salzer E, Munderspach L, Melnick S. Correlating Papanicolaou smear, colposcopic impression, and biopsy among women with HIV-1: Results from the Women's Interagency HIV Study. J Lower Genital Tract Dis 5(4):212-218, 2001
39. 2002 Kobayashi A, Darragh TM, Herndier B, Anastos K, Minkoff H, Cohen M, Young M, Levine A, Ahdieh Grand LA, Hyun W, Weinberg V, Greenblatt R, Smith-McCune K. Lymphoid follicles are generated in high-grade cervical dysplasia and have differing characteristics depending on HIV status. Am J Pathol, 2002 Jan;160(1):151-164. PMID: 11786409
40. 2002 Lee KR, Darragh TM, Joset NE, Krane JF, Sherman ME, Hurley LB, Allred EM, Manos MM. Atypical glandular cells of undetermined significance (AGUS). Interobserver reproducibility in cervical smears and corresponding thin-layer preparations. Am J Clin Pathol 2002 Jan;117(1):96-102. PMID: 11789738
41. 2002 Davey DD, Austin RM, Birdsong G, Buck H, Cox JT, Darragh TM, Elgert PA, Hanson V, Henry M, Waldman J. ASCCP patient management guidelines: Pap test specimen adequacy and quality indicators. J Lower Genital Tract Dis 6(3):195-199, 2002. PMID: 17051020
42. 2002 Klencke B, Matijevic M, Urban RG, Lathey JL, Hedley ML, Berry M, Thatcher J, Weinberg V, Wilson J, Darragh TM, Jay N, Da Costa M, Palefsky JM. Encapsulated plasmid DNA treatment for human papillomavirus-16 associated anal dysplasia: a phase I study of ZYC101. Clin Cancer Res 2002 May;8(5):1028-1037. PMID: 12006515

43. 2002 Davey DD, Austin RM, Birdsong G, Buck HW, Cox JT, Darragh TM, Elgert PA, Hanson V, Henry MR, Waldman J. American Society for Colposcopy and Cervical Pathology: ASCCP patient management guidelines: Pap test specimen adequacy and quality indicators. AM J Clin Pathol. 2002 Nov;118(5):714-8. PMID: 12428791
44. 2002 Robinson WR, Andersen J, Darragh TM, Kendall MA, Clark R, Maiman M. Isotretinoin for low-grade cervical dysplasia in human immunodeficiency virus-infected women. Obstet Gynecol 2002 May;99(5 Pt 1):777-784. PMID: 11978287
45. 2003 Moscicki, AB, Durako, SJ, Ma Y, Darragh, TM, Vermund SH. Utility of cervicography in HIV- infected and uninfected adolescents. J Adolesc Health, 2003 Mar;32(3):204-213. PMID: 12606114
46. 2003 Piketty C, Darragh TM, Da Costa M, Bruneval P, Heard I, Kazatchkine MD, Palefsky JM. High prevalence of anal human papillomavirus infection and anal cancer precursors among HIV-infected individuals in the absence of anal intercourse. Ann Int Med, 2003 Mar 18;138(6):453-459. PMID: 12639077
47. 2003 Moscicki AB, Durako, SJ, Houser J, Ma Y, Murphy DA, Darragh TM, Farhat S, Wilson CM. Human papillomavirus infection and abnormal cytology of the anus in HIV- infected and uninfected adolescents. AIDS, 2003 Feb 14;17(3):311-320, 2003. PMID: 12556684
48. 2003 Robinson WR, Luck MB, Kendall MA, DARRAGH TM. The predictive value of cytologic testing in women with the human immunodeficiency virus who have low-grade squamous cervical lesions: a sub-study of a randomized, phase III chemoprevention trial. Am J Obstet Gynecol, 2003 Apr;188(4):896-900. PMID: 12712082
49. 2003 Durante AJ, Williams AB, Da Costa M, Darragh TM, Khoshnood K, Palefsky JM. Incidence of anal cytologic abnormalities in a cohort of human immunodeficiency virus-infected women. Cancer Epidemiol Biomarkers Prev 2003 Jul;12(7):638-642. PMID: 12869403
50. 2004 Piketty C, Darragh TM, Heard I, Da Costa M, Bruneval P, Kazatchkine MD, Palefsky JM. High prevalence of anal squamous intraepithelial lesions in HIV-positive men despite use of highly active antiretroviral therapy. Sex Transm Dis, 31(2):96-99, 2004. PMID: 14743072
51. 2004 Darragh, TM, Anal cytology for anal cancer screening: Is it time yet? Diagn Cytopathol 30(6):371-374, 2004. PMID: 15176021

52. 2004 Cranston RD, Darragh TM, Holly EA, Jay N, Berry JM, Costa MD, Efird JT, Palefsky JM. Self-collected versus clinician-collected anal cytology specimens to diagnose anal intraepithelial neoplasia in HIV-positive men. J Acquir Immune Defic Syndr 36(4):915-920, 2004. PMID: 15220697
53. 2004 Kobayashi A, Greenblatt RM, Anastos K, Minkoff H, Massad LS, Young M, Levine AM, Darragh TM, Weinberg V, Smith-McCune KK: Functional attributes of mucosal immunity in cervical intraepithelial neoplasia and effects of HIV infection. Cancer Res, 64:6766-6774, 2004. PMID: 15374995
54. 2004 Moscicki AB, Ellenberg JH, Crowley-Nowick P, Darragh TM, Xu J, Fahrat S. Risk of high grade squamous intraepithelial lesions in HIV-infected adolescents. J Infect Dis, 190:1413-21. Epub 2004 Sep 13. PMID: 15378433
55. 2004 Massad LS, Evans CT, Minkoff H, Watts DH, Strickler HD, Darragh T, Levine A, Anastos K, Moxley M, Passaro DJ. Natural history of grade 1 cervical intraepithelial neoplasia in women with human immunodeficiency virus. Obstet Gynecol, 104:1077-85, 2004. PMID: 15516404
56. 2004 Hatch KD, Sheets E, Kennedy A, Ferris D, Darragh TM, Twiggs L. Multicenter direct to vial evaluation of a liquid-based Pap test. J Lower Genital Tract Disease, 8:308-312, 2004.
57. 2004 Moscicki AB, Shiboski S, Hills NK, Powell KJ, Jay N, Hanson EN, Miller S, Canjura-Clayton LK, Farhat S, Broering JM, Darragh TM. Regression of low grade squamous intra-epithelial lesions in young women. Lancet, 2004 Nov 6-12;364(9446):1678-83. PMID: 15530628
58. 2004 Chin-Hong PV, Vittinghoff E, Cranston RD, Buchbinder S, Cohen D, Colfax G, Da Costa M, Darragh T, Hess E, Judson F, Koblin B, Madison M, Palefsky JM. Age-specific prevalence of anal human papillomavirus in HIV-negative sexually active men who have sex with men: the Explore Study. J Infect Dis, 190:2070-2076. Epub 2004 Nov 10 PMID: 15551204
59. 2004 Welton ML, Winkler B, Darragh T. Anal-Rectal Cytology and Anal Cancer Screening. Semin Colon Rectal Surg, 15:196-200, 2004
60. 2005 Lytwyn A, Salit IE, Raboud J, Chapman W, Darragh TM, Winkler B, Timmouth J, Mahony JB, Sano M. Interobserver agreement in the interpretation of anal intraepithelial neoplasia. Cancer, 103(7):1447-1456, 2005. PMID: 15726546

61. 2005 Chin-Hong PV, Vittinghoff E, Cranston RD, Browne L, Buchbinder S, Colfax G, Da Costa M, Darragj T, Benet D, Judson F, Koblin B, Mayer K, Palefsky JM. Age-related prevalence of anal cancer precursors in homosexual men: the Explore Study. J Natl Cancer Inst, 97(12):896-905, 2005. PMID: 15956651
62. 2005 Biscotti CV, Dawson AE, Dziura B, Galup L, Darragh T, Rahmetulla A, Wills-Frank L. Assisted primary screening using the automated ThinPrep imaging system. Am J Clin Pathol, 123(2):281-7, 2005. PMID: 15842055
63. 2005 Gagne SE, Jensen R, Polvi A, DaCosta M, Ginsinger D, Efird JT, Holly EA, Darragh T, Palefsky J. High-resolution analysis of genomic alterations and human papillomavirus integration in anal intraepithelial neoplasia. J Acquir Immune Defic Syndr. 40(2):182-9, 2005. PMID: 16186736
64. 2005 Berry JM, Darragh TM. Home study course: Summer 2005. J Low Genit Tract Dis; 9(3):182-7, 2005. PMID: 16044060
65. 2005 Palefsky JM, Holly EA, Efird JT, Da Costa M, Jay N, Berry JM, Darragh TM. Anal intraepithelial neoplasia in the HAART era among HIV-positive men who have sex with men. AIDS. 2;19(13):1407-14, 2005. PMID: 16135582
66. 2005 Massad LS, Evans CT, Strickler HD, Burk RD, Watts H, Cashin L, Darragh T, Gange S, Lee Y-C, Moxley M, Levine A, Passaro DJ. Outcome after negative colposcopy among HIV infected women with borderline cytologic abnormalities. Obstet Gynecol. 106(3):525-32, 2005. PMID: 16135582
67. 2006 Palefsky JM, Berry JM, Jay N, Krogstad M, DaCosta M, Darragh TM, Lee JY: AMC 035. A Trial of SGN-00101 (HSP E7) for treatment of high grade anal intraepithelial neoplasia in HIV-positive individuals. AIDS. 2006 May 12;20(8):1151-5. PMID: 16691066
68. 2006 Smith-McCune KK, Tuveson JL, Rubin MM, DaCosta M, Darragh TM, Van Der Pol B, Moscicki AB, Palefsky J, Sawaya GF. Effect of Replens® gel used with a diaphragm on tests for human papillomavirus and other lower genital tract infections. J Low Genit Tract Dis; 10(4):213-218, 2006. PMID: 17012985

69. 2006 Vogel JG, Darragh TM, Julian TM, Edwards L, Davis G, Guijon FB. Postmenopausal presentation of painful vulvar vesicles and ulcers. Ask the experts. J Low Genit Tract Dis; 10(4):264-265, 2006. PMID: 17012995
70. 2007 Sha BE, Gawel SH, Hershov RC, Passaro D, Augenbraun M, Darragh TM, Stek A, Golub ET, Cashin L, Moxly MD, Weber KM, Watts DH. Analysis of standard methods for diagnosing vaginitis: HIV infection does not complicate the diagnosis of vaginitis. J Low Genit Tract Dis; 11(4):240-250, 2007. PMID: 17917568
71. 2008 Davey DD, Cox JT, Austin RM, Birdsong G, Colgan TJ, Howell LP, Husain M, Darragh TM. Cervical cytology specimen adequacy: Patient management guidelines and optimizing specimen collection. J Low Genit Tract Dis; 12(2):71-81, 2008. doi: 10.1097/LGT.0b013e3181585b9b. Review. PMID: 18369299
72. 2008 Massad LS, Seaberg EC, Wright RL, Darragh T, Lee YC, Colie C, Burk R, Strickler H, Watts DH. Squamous cervical lesions in women with HIV: Long term follow-up in the Women's' Interagency HIV Study. Obstet and Gynecol 111:1388-1393, 2008. doi: 10.1097/AOG.0b013e3181744619. PMID: 18515523
73. 2008 Massad LS, Evans CT, D'Souza G, Darragh T, Minkoff H, Henry D, Goparaju L, Munderspach LI, Watts DH. High-grade Cervical Disease in adolescents with HIV. J Low Genit Tract Dis; 12(3):199-203, 2008. doi: 10.1097/LGT.0b013e318160b9a5. PMID: 18596461
74. 2008 Chin-Hong PV, Berry JM, Cheng SC, Catania JA, DaCosta M, Darragh TM, Fishman F, Jay N, Pollack LM, Palefsky JM. Comparison of Patient and Clinician Collected Anal Cytology Samples to Screen Men Who Have Sex with Men for Human-Papillomavirus-associated Anal Neoplasia. Ann Intern Med; 149:300-306, 2008. PMID: 18765699
75. 2008 Kobayashi A, Weinberg V, Darragh TM, Smith-McCune K. Evolving immunosuppressive microenvironment during human cervical carcinogenesis. Mucosal Immunol. 2008 Sep;1(5):412-20. doi: 10.1038/mi.2008.33. Epub 2008 Jul 2. PMID: 19079205
76. 2008 Moscicki AB, Ma Y, Wibbelsman C, Powers A, Darragh TM, Farhat S, Shaber R, Shiboski S. Risks for cervical intraepithelial neoplasia 3 among adolescents and young women with abnormal cytology. Obstet Gynecol. Dec;112(6):1335-42, 2008. doi: 10.1097/AOG.0b013e31818c9222. PMID: 19037044

77. 2009 Hessol NA, Holly EA, , Efrid JT, Minkoff H, Schowalter K, Darragh TM, Burk RD, Strickler HD, Greenblatt RM, Palefsky JM. Anal intraepithelial neoplasia in a multisite study of HIV-infected and high-risk HIV-uninfected women. AIDS; 2009 Jan 2;23(1):59-70. doi: 10.1097/QAD.0b013e32831cc101. PMID: 19050387
78. 2009 Massad LS, Seaberg EC, Darragh TM, Hessol N, Colie C, Minkoff H, Levine A, Henry D, Watts H. Long-term incidence of cervical cancer in women with HIV: WIHS. Cancer, Feb 1;115(3):524-30, 2009. doi: 10.1002/cncr.24067. PMID: 19127538
79. 2009 Berry JM, Palefsky JM, Jay N, Cheng SC, Darragh TM, Chin-Hong PV. Performance characteristics of anal cytology and human papillomavirus (HPV) testing in subjects with high-resolution anoscopy (HRA) guided biopsy of high-grade anal intraepithelial neoplasia (HGAIN). Dis Colon Rectum. Feb;52(2):239-47, 2009. doi: 10.1007/DCR.0b013e31819793d9. PMID: 19279418
80. 2009 Chin-Hong PV, Husnik M, Cranston RD, Colfax G, Buchbinder S, Da Costa M, Darragh T, Jones D, Judson F, Koblin B, Mayer KH, Palefsky JM. Anal human papillomavirus infection is associated with HIV acquisition in men who have sex with men. AIDS. Jun 1;23(9):1135-42, 2009. doi: 10.097/QAD.0b013e32832b4449. PMID: 19390418
81. 2009 Mirkovic J, Lau C, McGee S, Yu CC, Nazemi J, Galindo L, Feng V, Darragh T, de Las Morenas A, Crum C, Stier E, Feld M, Badizadegan K. Effect of anatomy on spectroscopic detection of cervical dysplasia. J Biomed Opt. 2009 Jul-Aug;14(4):044021. doi: 10.1117/1.3194142. PMID: 19725732
82. 2009 Moriarity AT, Darragh TM, Fatheree LA, Souers R, Wilbur DC. Performance of Candida: Fungal induced atypia and proficiency testing: Observations from the College of American Pathologists (CAP) Proficiency testing (PT) Program. Arch Pathol Lab Med. Aug;133(8):1272-5, 2009. doi: 10.1043/1543-2165-133.8.1272. PMID: 19653724
83. 2009 Rahangdale L, Greenblatt RM, Perry J, Darragh TM, Kobayashi A, Smith-McCune KK. In vivo effects of nonoxynol-9 on endometrial immune cell populations. J Acquir Immune Defic Syndr. 2009 Sep 1;52(1):137-9. doi: 10.1097/QAI.0b013e3181b05d3c. PMID: 19704265

84. 2009 Moriarty AT, Darragh TM, Souers R, Fatheree LA, Wilbur DC. Performance of Herpes simplex challenges in proficiency testing: Observations from the College of American Pathologists (CAP) Proficiency testing (PT) Program. Arch Pathol Lab Med. 2009 Sep;133(9):1379-82. doi: 10.1043/1543-2165-133.9.1379. PMID: 19722743
85. 2009 Massad LS, Xie X, Darragh TM, Minkoff H, Levine A, D'Souza G, Cajigas A, Colie Christine C, Watts DH, Strickler H. Histologic correlates of glandular abnormalities in cervical cytology among women with HIV. Obstet & Gynecol. 2009 Nov;114(5):1063-1068. doi: 10.1097/AOG.0b013e3181bc6ce0. PMID: 20168108
86. 2010 Conley L, Bush T, Darragh TM, Palefsky J, Unger E, Patel P, Kojic E, Cu-Uvin S, Martin H, Overton ET, Hammer J, Henry K, Vellozzi C, Wood K, Brooks JT. The SUN Study Investigators. Factors Associated with Prevalent Abnormal Anal Cytology in a Large Cohort of HIV-infected Adults in the United States. J Infect Dis 2010 Nov 15;202(10):1567-76. Epub 2010 Oct 6. doi: 10.1086/656775. PMID: 20925532
87. 2010 Moscicki AB, Ma Y, Wibbelsman C, Darragh TM, Powers A, Farhat S, Shiboski S. Rate of and risks for regression of cervical intraepithelial neoplasia 2 in adolescents and young women. Obstet Gynecol. 2010 Dec;116(6):1373-80. doi: 10.1097/AOG.0b013e3181fe777f. PMID: 21099605
88. 2011 Kojic EM Cu-Uvin S, Conley L, Bust T, Onyekwuluje J, Swan DC, Unger E, Henry K, Hammer J, Overton ET, Darragh TM, Palefsy J, Vellozzi C, Patel P, Brooks JT. Human Papillomavirus (HPV) infection and Cytologic Abnormalities of the Anus and Cervix among HIV-Infected Women in the Study to Understand the Natural History of HIV/AIDS in the Era of Effective Therapy (SUN). Sex Trans Dis. 2011 Apr;38(4):253-9. doi: 10.1097/OLQ.0b013e3181f70253. PMID: 20966828
89. 2011 Massad LS, Agniel D, Minkoff H, Watts DH, D'Souza G, Levine AM, Darragh TM, Young M, Cajigas A, Weber K. Effect of stress and depression on the frequency of squamous intraepithelial lesions. J Low Genit Tract Dis. 2011 Jan;15(1):42-7. doi: 10.1097/LGT.0b013e3181e66a82. PMID: 21192176
90. 2011 Darragh TM, Winkler B. Anal Cancer and Cervical Cancer Screening: Key Differences. Cancer Cytopathol. 2011 Feb 25;119(1):5-19. doi: 10.1002/cncy.20126. Epub 2010 Dec 17. Review. PMID: 21319310

91. 2011 Massad LS, Xie X, Darragh T, Minkoff H, Levine AM, Watts H, Wright RL, RL, D'Souza G, Colie C, Strickler HD. Women's Intergency HIV Study Collaborative Study Group.: Genital warts and vulvar intraepithelial neoplasia: Natural history and effects of treatment and HIV infection. *Obstet Gynecol.* 2011 Oct; 118(4):831-9. doi: 10.1097/AOG.0b013e31821a0f4d. PMID: 21934446
92. 2011 Diouf K, Sawaya GF, Shiboski S, Magure T, Makunike-Mutasa R, Darragh TM, Tuveson J, Chipato T, Palefsky JM, Moscicki AB, Chirenje M, Smith-McCune K. Investigating Potential Associations between Cervical Procedures and HIV Acquisition. *ISRN Obstet Gynecol.* 2011;2011:789106. Epub 2011 Nov 28. PMID: 22191049
93. 2012 Saslow D, Solomon D, Lawson HW, Killackey M, Kulasingam SL, Cain J, Garcia FA, Moriarty AT, Waxman AG, Wilbur DC, Wentzensen N, Downs LS Jr, Spitzer M, Moscicki AB, Franco EL, Stoler MH, Schiffman M, Castle PE, Myers ER. ACS-ASCCP-ASCP Cervical Cancer Guideline Committee (Darragh, TM, member). American Cancer Society, American Society for Colposcopy and Cervical Pathology, and American Society for Clinical Pathology screening guidelines for the prevention and early detection of cervical cancer. *CA Cancer J Clin.* 2012 May-Jun;62(3):147-72. Epub 2012 Mar 14. doi: 10.5402/2011/789106. PMID: 22191049
94. 2012 Saslow D, Solomon D, Lawson HW, Killackey M, Kulasingam SL, Cain J, Garcia FA, Moriarty AT, Waxman AG, Wilbur DC, Wentzensen N, Downs LS Jr, Spitzer M, Moscicki AB, Franco EL, Stoler MH, Schiffman M, Castle PE, Myers ER; ACS-ASCCP-ASCP Cervical Cancer Guideline Committee (Darragh TM, member). American Cancer Society, American Society for Colposcopy and Cervical Pathology, and American Society for Clinical Pathology screening guidelines for the prevention and early detection of cervical cancer. *CA Cancer J Clin.* 2012 May-Jun;62(3):147-72. doi: 10.3322/caac.21139. Epub 2012 Mar 14. PMID: 22422631 PMCID: PMC3801360
95. 2012 Saslow D, Solomon D, Lawson HW, Killackey M, Kulasingam SL, Cain J, Garcia FA, Moriarty AT, Wasman AG, Wilbur DC, Wentzensen N, Downs LS Jr, Spitzer M, Moscicki AB, Franco EL, Stoler MH, Schiffman M, Castle PE, Myers ER; ACS-ASCCP-ASCP Cervical Cancer Guideline Committee (Darragh TM, member). American Cancer Society, American Society for Colposcopy and Cervical Pathology, and American Society for Clinical Pathology screening guidelines for the prevention and early detection of cervical cancer. *AM J Clin Pathol.* 137:516-542, July 2012. PMID: 22422631 PMCID: PMC3801360

96. 2012 Darragh TM, Colgan TJ, Cox JT, Heller DS, Henry MR, Nayar R, Palefsky JM, Stoler MH, Wilkinson EJ, Zaino RJ, Wilbur DC. The Lower Anogenital Squamous Terminology Standardization Project for HPV-associated Lesions: Background and Consensus Recommendations from the College of American Pathologists and the American Society for Colposcopy and Cervical Pathology. Arch Pathol Lab Med. 2012 Oct;136(10):1266-97. Epub 2012 Jun 28. Erratum in: Arch Pathol Lab Med. 2013 Jun;137(6):738. PMID: 22742517
97. 2012 Darragh TM, Colgan TJ, Cox JT, Heller DS, Henry MR, Nayar R, Palefsky JM, Stoler MH, Wilkinson EJ, Zaino RJ, Wilbur DC, Wilbur DC. Members of LAST Project Work Groups. The Lower Anogenital Squamous Terminology Standardization Project for HPV-associated Lesions: Background and Consensus Recommendations from the College of American Pathologists and the American Society for Colposcopy and Cervical Pathology. J Low Genit Tract Dis. 2012 Jul;16(3):205-42. Review. Erratum in: J Low Genit Tract Dis. 2013 Jul;17(3):368./> PMID: 22820980
98. 2012 Darragh TM, Tokugawa D, Castle PE, Follansbee S, Borgonovo S, Lamere BJ, Schwartz L, Gage JC, Fetterman B, Lorey T, Wetzensen N. Inter-rater agreement of anal cytology. Cancer Cytopathol. 2013 Feb;121(2):72-8. doi: 10.1002/cncy.21218. Epub 2012 Jul 18. PMID: 22811048
99. 2012 Yang YS, Smith-McCune K, Darragh TM, Lai Y, Lin JH, Chang TC, Guo HY, Kesler T, Carter A, Castle PE, Cheng S. Direct human papillomavirus e6 whole-cell enzyme-linked immunosorbent assay for objective measurement of e6 oncoproteins in cytology samples. Clin Vaccine Immunol. 2012 Sep;19(9):1474-9. doi: 10.1128/CVI.00388-12. Epub 2012 Jul 18. PMID: 22815148
100. 2012 Crothers B, Darragh TM, Booth C, Means M, Ma L, Thomas N, Sours R. Atrophic vaginitis: concordance and interpretation of slides in the College of American Pathologists' Cervicovaginal Interlaboratory Comparison Program in Gynecologic Cytopathology. Arch Pathol Lab Med. 2012 Nov;136(11):1332-8
101. 2012 Waxman AG, Chelmow D, Darragh T, Lawson H, Moscicki AB. The Lower Anogenital Squamous Terminology Standardization (LAST) project: New recommendations for histopathology terminology of HPV-associated squamous lesions and their implications for management of HSIL of the cervix. Obstet Gynecol. 2012 Dec;120(6):1465-71

102. 2012 Wentzensen N, Follansbee S, Borgonovo S, Tokugawa D, Schwartz L, Lorey TS, Sahasrabudde VV, Lamere B, Gage JC, Fetterman B, Darragh TM, Castle PE. Human papillomavirus genotyping, human papillomavirus mRNA expression, and p16/Ki-67 cytology to detect anal cancer precursors in HIV-infected MSM. AIDS. 2012 Nov 13;26(17):2185-92. doi: 10.1097/QAD.0b013e328359f255. PMID: 23018436 [PubMed - indexed for MEDLINE]
103. 2012 Crothers BA, Booth CN, Darragh TM, Means MM, Souers RJ, Thomas N, Moriarty AT. Atrophic vaginitis: concordance and interpretation of slides in the College of American Pathologists Cervicovaginal Interlaboratory Comparison Program in Gynecologic Cytopathology. Arch Pathol Lab Med. 2012 Nov;136(11):1332-8. doi: 10.5858/arpa.2011-0411-CP. PMID: 23106578 [PubMed - indexed for MEDLINE]
104. 2012 Darragh TM, Winkler B. Screening for anal neoplasia: Anal cytology - sampling, processing and reporting. Sex Health. 2012; Dec;9:556-561. doi: 10.1071/SH12003.> PMID: 22950982
105. 2012 Waxman AG, Chelmow D, Darragh TM, Lawson H, Moscicki AB. Revised terminology for cervical histopathology and its implications for management of high-grade squamous intraepithelial lesions of the cervix. Obstet Gynecol. 2012 Dec;120(6):1465-71. doi: http://10.1097/AOG.0b013e31827001d5. PMID: 23168774
106. 2013 Schwartz LM, Castle PE, Follansbee S, Borgonovo S, Fetterman B, Tokugawa D, Lorey TS, Sahasrabudde VV, Luhn P, Gage JC, Darragh TM, Wentzensen N. Risk factors for anal HPV infection and anal precancer in HIV-infected men who have sex with men. J Infect Dis. 2013 Dec 1;208(11):1768-75. doi: 10.1093/infdis/jit374. Epub 2013 Aug 1. PMID: 23908478
107. 2013 Sharma R, Efird JT, Chein A, Holly EA, Kraiden M, Berry JM, Darragh TM, Jay N, Palefsky JM. Prevalence and Risk Factors for Neutralizing Antibodies to Human Papillomavirus Types 16 and 18 in HIV-Positive Men Who Have Sex with Men. J Acquir Immune Defic Syndr. 2013 Dec 15;64(5):479-87. doi: 10.1097/QAI.0b013e3182a7acd2. PMID: 24231786
108. 2013 Massad LS, Pierce CB, Minkoff H, Watts DH, Darragh TM, Sanchez-Keeland L, Wright RL, Colie C, D'Souza G. Long Term cumulative incidence of cervical intraepithelial neoplasia grade 3 or worse after abnormal cytology: Impact of HIV infection. Int J Cancer. 2013 Oct 8. doi: 10.1002/ijc.28523. [Epub ahead of print] PMID: 24170366

109. 2013 Massad LS, Xie X, Minkoff H, Darragh TM, D'Souza G, Sanchez-Keeland L, Watts DH, Colie C, Strickler HD. Abnormal Pap Tests and Human Papillomavirus infections Among HIV-infected and Uninfected Women Who Have Sex With Women. J Low Genit Tract Dis. 2014 Jan;18(1):50-6. doi: 10.1097/LGT.0b013e3182942733. PMID: 23959300
110. 2013 Howell LP, Darragh TM, Souers RJ, Thomas N, Moriarty AT. Identification of Trichomonas vaginalis in different Papanicolaou test preparations: trends over time in the College of American Pathologists educational interlaboratory Comparison Program. Arch Pathol Lab Med. 2013 Aug;137(8):1043-6. doi: 10.5858/arpa.2012-0036-CP. PMID: 23899059
111. 2013 Darragh TM, Wilbur DC. Why LAST? Polishing the Gold Standard. Pathology Case Reviews. 2013 July/August;18(4):152-153. DOI: 10.1097/PCR.0b013e3182990d77
112. 2013 Palefsky JM, Darragh TM. Classification of Anal Squamous Intraepithelial Lesions: 2-Tiered Terminology and the Quest to Reduce the Incidence of Anal Cancer Among At-Risk Individuals. Pathology Case Reviews. 2013 July/August;18(4):200-208. DOI: 10.1097/PCR.0b013e318298dfa0
113. 2013 Hessol NA, Holly EA, Efird JT, Minkoff H, Weber KM, Darragh TM, Burk RD, Strickler HD, Greenblatt RM, Palefsky JM. Concomitant anal and cervical human papillomavirusV infections and intraepithelial neoplasia in HIV-infected and uninfected women. AIDS. 2013 Jul 17;27(11):1743-51. doi: 10.1097/QAD.0b013e3283601b09. PMID: 23803793
114. 2013 Moscicki AB, Ma Y, Farhat S, Darragh TM, Pawlita M, Galloway DA, Shiboski S. Redetection of cervical human papillomavirus type 16 (HPV 16) in women with a history of HPV16. J infect Dis. 2013 Aug 1;208(3):403-12. doi: 10.1093/infdis/jit175. Epub 2013 Apr 18. PMID: 23599313
115. 2013 Wilbur DC, Darragh TM. Harmony at LAST. Cancer Cytopathol. 2013 Mar;121(3):111-5. doi: 10.1002/cncy.21275. Epub 2013 Feb 13. No abstract available. PMID: 23408704

116. 2013 Darragh TM, Colgan TJ, Thomas Cox J, Heller DS, Henry MR, Luff RD, McCalmont T, Nayar R, Palefsky JM, Stoler MH, Wilkinson EJ, Zaino RJ, Wilbur DC. Members of the LAST Project Work Groups. The Lower Anogenital Squamous Terminology Standardization project for HPV-associated lesions: background and consensus recommendations from the College of American Pathologists and the American Society for Colposcopy and Cervical Pathology. Int J Gynecol Pathol. 2013 Jan;32(1):76-115. doi: 10.1097/PGP.0b013e31826916c7. Erratum in: Int J Gynecol Pathol. 2013 Jul;32(4):432. Int J Gynecol Pathol. 2013 Mar;32(2):241. PMID: 23202792
117. 2013 Sahasrabuddhe VV, Castle PE, Follansbee S, Borgonovo S, Tokugawa D, Schwartz LM, Lorey TS, LaMere BJ, Gage JC, Fetterman B, Boyle S, Sadorra M, Tang SD, Darragh TM, Wentzensen N. Human papillomavirus genotype attribution and estimation of preventable fraction of anal intraepithelial neoplasia cases among HIV-infected men who have sex with men. J Infect Dis. 2013 Feb 1;207(3):392-401. doi: 10.1093/infdis/jis694. Epub 2012 Nov 16. PMID: 23162133
118. 2013 Castle PE, Follansbee S, Borgonovo S, Tokugawa D, Schwartz LM, Lorey TS, LaMere B, Gage JC, Fetterman B, Darragh TM, Rodriguez AC, Wentzensen N. A comparison of human papillomavirus genotype-specific DNA and E6/E7 mRNA detection to identify anal precancer among HIV-infected men who have sex with men. Cancer Epidemiol Biomarkers Prev. 2013 Jan;22(1):42-9. doi: 10.1158/1055-9965.EP1-12-0984. Epub 2012 Nov 15. PMID: 23155136
119. 2013 Stier EA, Goldstone SE, Einstein MH, Jay N, Berry JM, Wilkin T, Lee JY, Darragh TM, Da Costa M, Panther L, Aboulaflia D, Palefsky JM. Safety and efficacy of topical cidofovir to treat high-grade perianal and vulvar intraepithelial neoplasia in HIV-positive men and women. AIDS. 2013 Feb 20;27(4):545-51. doi: 10.1097/QAD.0b013e32835a9b16. PMID: 23032420
120. 2013 Palefsky J, Da Costa M, Darragh TM, Jay N, Berry JM. 32. HPV type and strain variant concordance between anal cancers and their preceding high-grade squamous intraepithelial lesions. Sex Health. 2013 Nov; 10(6):585-6. PMID: 24262252
121. 2013 Berry JM, Jay N, Hernandez A, Darragh TM, Palefsky JM. 3. Outcome of excision of early invasive squamous carcinomas of the anal canal and perianus. Sex Health. 2013 Nov; 10(6):571. PMID: 24262223

122. 2013 Darragh TM, Winkler B, Souers RJ, Laucirica R, Zhao C, Moriarty AT. College of American Pathologists Cytopathology Committee. Room for improvement: initial experience with anal cytology: observations from the College of American Pathologists interlaboratory comparison program in nongynecologic cytology. Arch Pathol Lab Med. 2013 Nov;137(11):1550-4. doi: 10.5858/arpa.2012-0574-CP. PMID: 24168493
123. 2014 Massad LS, Xie X, Minkoff H, Darragh TM, D'Souza G, Sanchez-Keeland L, Watts DH, Colie C, Strickler HD. Abnormal pap tests and human papillomavirus infections among HIV-infected and uninfected women who have sex with women. J Low Genit Tract Dis. 2014 Jan;18(1):50-6. doi: 10.1097/LGT.0b013e3182942733. PMID: 23959300
124. 2014 Massad LS, Pierce CB, Minkoff H, Watts DH, Darragh TM, Sanchez-Keeland L, Wright RL, Colie C, D'Souza G. Long-term cumulative incidence of cervical intraepithelial neoplasia grade 3 or worse after abnormal cytology: impact of HIV infection. Int J Cancer. 2014 Apr 15; 134(8):1854-61. doi: 10.1002/ijc.28523. Epub 2013 Oct 29. PMID: 24170366.
125. 2014 Berry JM, Jay N, Cranston RD, Darragh TM, Holly EA, Welton ML, Palefsky JM. Progression of anal high-grade squamous intraepithelial lesions to invasive anal cancer among HIV-infected men who have sex with men. Int J Cancer. 2014 Mar 1; 134(5):1147-55. doi: 10.1002/ijc.28431. Epub 2013 Sep 14. PMID: 23934991
126. 2014 Darragh TM, Wilbur DC. Letter to the editor-reply. J Low Genit Tract Dis. 2014 Apr;18(2):E64-5. doi: 10.1097/LGT.0b013e3182976077. No abstract available. PMID: 24670379
127. 2014 Davey DD, Goulart R, Nayar R, Darragh, TM. 2013 statement on human papillomavirus DNA test utilization. Cytopathology Education and Technology Consortium (CETC). Am J Clin Pathol. 2014 Apr;141(4):459-61. doi: 10.1309/AJCPKXBQLWOJ4ZUB. Review. No abstract available. PMID: 24619744
128. 2014 Massad LS, Pierce CB, Minkoff H, Watts DH, Darragh TM, Sanchez-Keeland L, Wright RL, Colie C, D'Souza G. Long-term cumulative incidence of cervical intraepithelial neoplasia grade 3 or worse after abnormal cytology: impact of HIV infection. Int J Cancer. 2014 Apr 15;134(8):1854-61. doi: 10.1002/ijc.28523. Epub 2013 Oct 29. PMID: 24170366

129. 2014 Crothers BA, Booth CN, Darragh TM, Zhao C, Souers RJ, Thomas N, Moriarty AT. False-Positive Papanicolaou (PAP) Test Rates in the College of American Pathologists PAP Education and PAP Proficiency Test Programs: Evaluation of False-Positive Responses of High-Grade Squamous Intraepithelial Lesion or Cancer to a Negative Reference Diagnosis. Arch Pathol Lab Med, 2014 May;138(5):613-9. doi: 10.5858/arpa.2013-0083-CP. PMID: 24786119
130. 2014 D'Souza G, Burk RD, Palefsky JM, Massad LS, Strickler HD. WIHS HPV Working Group. Cervical human papillomavirus testing to triage borderline abnormal pap tests in HIV-coinfected women. AIDS. 2014 Jul 17;28(11):1696-8. doi: 10.1097/QAD.0000000000000285. No abstract available. PMID: 25232904
131. 2014 Wentzensen N, Follansbee S, Borgonovo S, Tokugawa D, Sahasrabudde VV, Chen J, Lorey TS, Gage JC, Fetterman B, Boyle S, Sadorra M, Tang SD, Darragh TM, Castle PE. Analytic and clinical performance of cobas HPV testing in anal specimens from HIV-positive men who have sex with men. J Clin Microbiol. 2014 Aug;52(8):2892-7. doi: 10.1128/JCM.03517-13. Epub 2014 Jun 4. PMID: 24899025
132. 2014 Massad LS, D'Souza G, Darragh TM, Minkoff H, Wright R, Kassaye S, Sanchez-Keeland L, Evans CT. Accuracy of colposcopy in HIV seropositive and seronegative women with abnormal Pap tests. Gynecol Oncol. 2014 Dec;135(3):481-6. doi: 10.1016/j.ygyno.2014.08.007. Epub 2014 Aug 13. PMID: 25127986
133. 2014 Massad LS, Xie X, D'Souza G, Darragh TM, Minkoff H, Wright R, Colie C, Sanchez-Keeland L, Strickler HD. Incidence of cervical precancers among HIV-seropositive women. Am J Obstet Gynecol. 2015 May;212(5):606.e1-8. doi: 10.1016/j.ajog.2014.12.003. Epub 2014 Dec 10. PMID: 25499260
134. 2015 Heard I, Etienney I, Potard V, Poizot-Martin I, Moore C, Lesage AC, Ressiot E, Crenn-Hebert C, Flejou JF, Cubie H, Costagliola D, Darragh TM; for the ANRS-C017 VIHGY Study Group. High prevalence of Anal Human Papillomavirus-associated cancer precursors in a contemporary cohort of asymptomatic HIV-infected women. Clin Infect Dis. 2015 Feb 2. pii: civ049. [Epub ahead of print] PMID: 25645213
135. 2015 Moscicki AB, Darragh TM, Berry-Lawhorn JM, Roberts JM, Khan MJ, Boardman LA, Chiao E, Einstein MH, Goldstone SE, Jay N, Likes WM, Stier EA, Welton ML, Wiley DJ, Palefsky JM. Screening for Anal Cancer in Women. J Low Genit Tract Dis. 2015 Jul; 19(3 Suppl 1):S26-41. PMID: 26103446.

136. 2015 Gonzalez P, Hildesheim A, Herrero R, Katki H, Wacholder S, Porras C, Safaeian M, Jimenez S, Darragh TM, Cortes B, Befano B, Schiffman M, Carvajal L, Palefsky J, Schiller J, Ocampo R, Schussler J, Lowy D, Guillen D, Stoler MH, Quint W, Morales J, Avila C, Rodriguez AC, Kreimer AR. Rationale and design of a long term follow-up study of women who did and did not receive HPV 16/18 vaccination in Guanacaste, Costa Rica. **Vaccine**. 2015 Apr 27; 33(18):2141-51. doi: 10.1016/j.vaccine.2015.03.015. Epub 2015 Mar 18. PMID: 25796338.
137. 2015 Shiels MS, Kreimer AR, Coghill AE, Darragh TM, Devesa SS. Anal Cancer Incidence in the United States, 1977-2011: Distinct Patterns by Histology and Behavior. **Cancer Epidemiol Biomarkers Prev**. 2015 Oct; 24(10):1548-56. PMID: 26224796.
138. 2015 Moscicki AB, Darragh TM, Berry-Lawhorn JM, Roberts JM, Khan MJ, Boardman LA, Chiao E, Einstein MH, Goldstone SE, Jay N, Likes WM, Stier EA, Welton ML, Wiley DJ, Palefsky JM. Screening for Anal Cancer in Women. **J Lower Genit Tract Dis**. 2015 Jul;19(3 Suppl 1):S26-41. doi: 10.1097/LGT.000000000000117. PMID: 26103446
139. 2015 D'Souza G, Wentz A, Wiley D, Shah N, Barrington F, Darragh TM, Joste N, Plankey M, Reddy S, Breen EC, Young S, Cranston RD. Anal Cancer Screening in Men Who Have Sex with men in the Multicenter AIDS Cohort Study. **J Acquir Immune Defic Syndr**. 2015 Dec 8. [Epub ahead of print]. PMID: 26656784
140. 2015 Harari A, Chen Z, Rodriguez AC, Hildesheim A, Porras C, Herrero R, Wacholder S, Panagiotou OA, Befano B, Burk RD, Schiffman M. Costa Rica HPV Vaccine Trial Group; Costa Rica HPV Vaccine Trial CVT group. Cross-protection of the Bivalent Human Papillomavirus (HPV) Vaccine Against Variants of Genetically Related High Risk HPV Infections. **J Infect Dis**. 2016 Mar 15;213(6):939-47. doi: 10.1093/infdis/jiv519. Epub 2015 Oct 30. PMID: 26518044
141. 2015 Jay N, Berry JM, Miaskowski C, Cohen M, Holly E, Darragh TM, Palefsky JM. Colposcopic Characteristics and Lugol's Staining Differentiate Anal High-Grade and Low-Grade Squamous Intraepithelial Lesions During High Resolution Anoscopy. **Papillomavirus Res**. 2015 Dec;1:101-108. Epub 2015 Jul 3. PMID: 26640825

142. 2015 Panagiotou OA, Befano BL, Gonzalez P, Rodriguez AC, Herrero R, Schiller JT, Kreimer AR, Schiffman M, Hildesheim A, Wilcox AJ, Wacholder S. Costa Rica HPV Vaccine Trial (CVT) Group (see end of manuscript for full list of investigators). Effect of bivalent human papillomavirus vaccination on pregnancy outcomes: long term observational follow-up in the Costa Rica HPV Vaccine Trial. *BMJ*. 2015 Sep 7;351:h4358. doi: 10.1136/bmj.h4358. PMID: 26346155
143. 2015 Massad LS, Xie X, Burk RD, D'Sourza G, Darragh TM, Minkoff H, Colie C, Burian P, Palefsky J, Atrio J, Strickler HD. Association of cervical precancer with human papillomavirus types other than 16 among HIV co-infected women. *Am J Obstet Gynecol*. 2016 Mar;214(3):354.e1-6. doi: 10.1016/j.ajog.2015.09.086. Epub 2015 Nov 14. PMID: 26433170
144. 2015 Darragh TM. The LAST Project and the Diagnostic Bottom Line. Cytopathology. 2015 Dec;26(6):343-5. doi: 10.1111/cyt.12299. Review. PMID:26767600
145. 2015 Beachler DC, Kreimer AR, Schiffman M, Herrero R, Wacholder S, Rodriguez AC, Lowy DR, Porras C, Schiller JT, Quint W, Jimenez S, Safaeian M, Struijk L, Schussler J, Hildesheim A, Gonzalez P. Costa Rica HPV Vaccine Trial (CVT) Group. Multisite HPV16/18 Vaccine Efficacy Against Cervical, Anal, and Oral HPV Infection. *J Natl Cancer Inst*. 2015 Oct 14;108(1). pii: djv302. doi: 10.1093/jnci/djv302. Print 2016 Jan. PMID: 26467666
146. 2016 Crothers BA, Darragh TM, Tambouret RH, Nayar R, Barkan GA, Zhao C, Booth CN, Padmanabhan V, Tabatabai ZL, Souers RJ, Thomas N, Wilbur DC, Moriarty AT. Trends in Cervical Cytology Screening and Reporting Practices: Results From the College of American Pathologists 2011 PAP Education Supplemental Questionnaire. *Arch Pathol Lab Med*. 2016 Jan;140(1):13-21. doi: 10.5858/arpa.2015-0004-CP. Epub 2015 Jun 5. PMID: 26046490
147. 2016 Conley LJ, Bush TJ, Darragh TM, Palefsky JM, Unger ER, Patel P, Steinau M, Kojic EM, Martin H, Overton ET, Cu-Uvin S, Hammer J, Henry K, Wood K, Brooks JT; SUN Study Group. Incidence and Predictors of Abnormal Anal Cytology Findings Among HIV-Infected Adults Receiving Contemporary Antiretroviral Therapy. *J Infect Dis*. 2016 Feb 1;213(3):351-60. doi: 10.1093/infdis/jiv408. Epub 2015 Aug 12. PMID: 26268855

148. 2016 Khan MJ, Massad LS, Kinney W, Gold MA, Mayeaux EJ, Darragh TM, Castle PE, Chelmow D, Lawson HW, Huh WK. A common clinical dilemma: Management of abnormal vaginal cytology and human papillomavirus test results. *Gynecol ncol*. 2016 May;141(2):364-70. doi: 10.1016/j.ygyno.2015.11.023. Epub 2016 Feb 22. Review. PMID: 26915529
149. 2016 Khan MJ, Massad LS, Kinney W, Gold MA, Mayeaux EJ Jr, Darragh TM, Castle PE, Chelmow D, Lawson HW, Huh WK. A common clinical dilemma: Management of abnormal vaginal cytology and human papillomavirus test results. *J Low Genit Tract Dis*. 2016 Apr;20(2):119-25. doi:10.1097/LGT.000000000000185. Review. PMID: 26901279
150. 2016 Hildesheim A, Gonzalez P, Kreimer AR, Wacholder S, Schussler J, Rodriguez AC, Porras C, Schiffman M, Sidawy M, Schiller JT, Lowy DR, Herrero R. Impact of Human Papillomavirus (HPV) 16 and 18 vaccination on prevalent infections and rates of cervical lesions after excisional treatment. *Am J Obstet Gynecol*. 2016 Aug;215(2):212.e1-212.e15.doi: 10. 1016/j.ajog2016.02.021. Epub 2016 Feb 16. PMID: 26892991
151. 2016 Hillman RJ, Cuming T, Darragh T, Nathan M, Berry-Lawhorn M, Goldstone S, Law C, Palefsky J, Barroso LF, Stier EA, Bouchard C, Almada J, Jay N. 2016 IANS International Guidelines for Practice Standards in the Detection of Anal Cancer Precursors. *J Low Genit Tract Dis*. 2016 Oct;20(4):283-91. doi: 10.1097/LGT.000000000000256. PMID: 27561134
152. 2017 Goldstone RN, Hasan SR, Drury S, Darragh TM, Van Zante A, Goldstone SE. A trial of radiofrequency ablation for anal intraepithelial neoplasia. *Int J Colorectal Dis*. 2017 March;32(3):357-365. doi:10.1007/s00385-016-2679-2. Epub 2016 Oct 21. PMID: 27770248
153. 2017 Ho D, Drake TK, Smith-McCune KK, Darragh TM, Hwang LY, Wax A. Feasibility of clinical detection of cervical dysplasia using angle-resolved low coherence interferometry measurements of depth-resolved nuclear morphology. *Int J Cancer*. 2017 Mar 15;140(6):1447-1456. doi: 10.1002/ijc.30539. PMID: 27883177
154. 2017 Robbins HA, Strickler H, Massad LS, Pierce CB, Darragh TM, Minkoff H, Keller MJ, Fischl M, Palefsky J, Flowers L, Rahangdale L, Milam J, Shrestha S, Colie C, D'Souza G. Cervical cancer screening intervals and management for women living with HIV: A risk benchmarking approach. *AIDS* 2017 Apr 24;311(7):1035-1044. doi: 10.1097/QAD.0000000000001450. PMID: 28323758

155. 2017 Schiffman M, Wentzensen N, Khan MJ, Castle PE, Chelmow D, Huh WK, Moscicki AB, Stockdale CK, Darragh TM, Silver M, Guido RS. Preparing for the Next Round of ASCCP-Sponsored Cervical Screening and Management Guidelines. J Low Genit Tract dis. 2017 Apr;21(2):87-90.doi: 10.1097/LGT0000000000000300. No abstract available. PMID: 28244885
156. 2017 Massad LS, Hessol NA, Darragh TM, Minkoff H, Colie C, Wright RL, Cohen M, Seaberg EC. Cervical cancer incidence after up to 20 years of observation among women with HIV. Int J Cancer. 2017 Oct 15;141(8):1561-1565. doi: 10.1002/ijc.30866. Epub 2017 Jul 17. PMID: 28670714
157. 2017 Wentzensen L, Massad LS, Mayeaux EJ, Khan MJ, Waxman AG, Einstein MH, Conageski C, Schiffman MH, Gold MA, Apgar BS, Chelmow DP, Choma KK, Darragh TM, Gage JC, Garcia FAR, Guido RS, Jeronimo JA, Liu A, Mathews CA, Mitchell MM, Moscicki AB, Novetsky A, Papasozomenos T, Perkins R, Silver M, Smith KM, Stier EA , Tedeschi CA, Werner CL, Huh WK. Evidence-based consensus recommendations for colposcopy practice for cervical cancer prevention in the United States. J Low Genit Tract Dis. 2017 Oct;21(4) :216-222. doi: 10.1097/LGT.0000000000000322 PMID: 28953109
158. 2017 Khan MJ, Werner CL, Darragh TM, Guido RS, Mathews C, Moscicki AB, Mitchell MM, Schiffman M, Wentzensen N, Massad LS, Mayeaux EJ Jr, Waxman AG, Conageski C, Einstein MH, Huh WK. ASCCP Colposcopy Standards: Role of Colposcopy, Benefits, Potential Harms, and Terminology for Colposcopic Practice. J Low Genit Tract Dis. 2017 Oct;21(4):223-229. doi: 10.1097/LGT.0000000000000338/> PMID: 28953110
159. 2017 Darragh TM. HPV-associated Disease of the Anal Canal: A Pathology Primer. Seminars in Colon and Rectal Surgery. 2017 28(2):63-68. <https://doi.org/10.1053/j.scrs.2017.04.002>
160. 2018 Patel P, Bush T, Kojic EM, Conley L, Unger ER, Darragh TM, Henry K, Hammer J, Escota G, Palefsky JM, Brooks JT. Prevalence, incidence, and clearance of anal high-risk human papillomavirus (HPV) infection among HIV-infected men in the SUN Study. J Infect Dis. J Infect Dis. 2018 Mar 5;217(6):953-963. doi: 10.1093/infdis/jix607. PMID: 29211874

161. 2018 Kojic EM, Conley L, Bush T, Cu-Uvin S, Unger ER, Henry K, Hammer J, Escota G, Darragh TM, Palefsky JM, Brooks JT, Patel P. Prevalence and Incidence of Anal and Cervical High-Risk Human Papillomavirus (HPV) Types covered by Current HPV Vaccines among HIV-Infected Women in the Study to Understand the Natural History of HIV/AIDS in the Era of Effective Therapy (The SUN Study). *J Infect Dis*. 2018 Apr 23;217(10):1544-1552. doi: 10.1093/infdis/jiy087. PMID: 29452366
162. 2018 Robbins HA, Wiley DJ, Ho K, Plankey M, Reddy S, Joste N, Darragh TM, Breen EC, Young S, D'Souza G. Patterns of repeated anal cytology results among HIV-positive and HIV-negative men who have sex with men. *Papillomavirus Res*. 2018 Apr 4;5:143-149. doi: 10.1016/j.pvr.2018.04.001. [Epub ahead of print] PMID: 29626643
163. 2018 Umulisa MC, Franceschi S, Baussano J, Tenet V, Uwimbabazi M, Rugwizangoga B, Heideman D, Uyterlinde AM, Darragh T, Snijders P, Sayinzoga F, Clifford G. Evaluation of human-papillomavirus testing and visual inspection for cervical cancer screening in Rwanda. *BMC Womens Health*. 2018 Apr 24;18(1):59. doi: 10.1186/s12905-018-0549-5. PMID: 29699549
164. 2018 Halec G, Scott ME, Farhat S, Darragh TM, Moscicki AB. Toll-like receptors: Important immune checkpoints in the regression of cervical intra-epithelial neoplasia 2. *Int J Cancer*. 2018 Aug 19. doi: 10.1002/ijc.31814. [Epub ahead of print] PMID: 30121951
165. 2018 Goldstone SE, Lensing SY, Stier EA, Darragh T, Lee JY, van Zante A, Jay N, Berry-Lawhorn JM, Cranston RD, Mitsuyasu R, Aboulafia D, Palefsky JM, Wilkin T. A randomized clinical trial of infrared coagulation ablation versus active monitoring of intra-anal high-grade dysplasia in HIV-infected adults: An AIDS Malignancy Consortium trial. *Clin Infect Dis*. 2018 Jul 27. doi: 10.1093/cid/ciy615. [Epub ahead of print] PMID: 30060087
166. 2018 Clarke MA, Cheung LC, Lorey T, Hare B, Landy R, Tokugawa D, Gage JC, Darragh TM, Castle PE, Wentzensen N. Five-year prospective evaluation of cytology, HPV testing, and biomarkers for detection of anal precancer in HIV+ MSM. *Clin Infect Dis*. 2018 Nov 12. doi: 10.1093/cid/ciy970. [Epub ahead of print] PMID: 30418518
167. 2019 Ferris DG, Darragh TM, Kavuri S, Patel N, Waller JL, Goebel A. Improved anal Cytology Sampling: Tush Brush Compared With Dacron Swab. *J Low Genit Tract Dis*. 2019 Jan;23(1):48-53. doi: 10.1097/LGT.0000000000000447. PMID: 30407936

168. 2019 Ferrera A, Valladares W, Cabrera Y, de la Luz Hernandez M, Darragh T, Baena A, Almonte M, Herrero R. Performance of an HPV 16/18 E6 oncoprotein test for detection of cervical precancer and cancer. *Int J Cancer*. 2019 Jan 26. doi: 10.1002/ijc.32156. [Epub ahead of print] PMID: 30684396
169. 2019 Wiley DJ, Hsu HK, Ganser MA, Brook J, Elashoff DA, Moran MG, Young SA, Joste NE, Mitsuyasu R, Darragh TM, Morris DH, Martínez-Maza OM, Detels R, Rao JY, Bolan RK, Shigeno ET, Rodriguez E. Comparison of nylon-flocked swab and Dacron swab cytology for anal HSIL detection in transgender women and gay, bisexual, and other men who have sex with men. *Cancer Cytopathol*. 2019 Apr;127(4):247-257. doi: 10.1002/cncy.22114. Epub 2019 Mar 26. PMID: 30913381
170. 2019 Hillman RJ, Berry-Lawhorn JM, Ong JJ, Cuming T, Nathan M, Goldstone S, Richel O, Barrosso LF, Darragh TM, Law C, Bouchard C, Stier EA, Palefsky JM, Jay N; International Anal Neoplasia Society. International Anal Neoplasia Society Guidelines for the Practice of Digital Anal Rectal Examination. *J Low Genit Tract Dis*. 2019 Apr;23(2):138-146. doi: 10.1097/LGT.0000000000000458. Review. PMID: 30907777
171. 2019 Nowak RG, Ndembi N, Dauda W, Jibrin P, Bentzen SM, Nnaji CH, Olaomi O, Darragh TM, Madukwe J, Crowell TA, Baral SD, Blattner WA, Charurat ME, Palefsky JM, Cullen KJ. Implementation of and Early Outcomes From Anal Cancer Screening at a Community-Engaged Health Care Facility. Providing care to Nigerian Men Who Have Sex With Men. TRUST/RV368 Study Group. *J Glob Oncol*. 2019 Jul;5:1-11. doi: 10.1200/JGO.19.00102. PMID: 31322994
172. 2019 Tota JE, Struyf F, Sampson JN, Gonzalez P, Ryser M, Herrero R, Schussler J, Karkada N, Rodriguez AC, Folschweiller N, Porras C, Schiffman M, Schiller JT, Quint W, Kreimer AR, Wheeler CM, Hildesheim A. Efficacy of the AS04- adjuvanted HPV-16/18 vaccine: Pooled analysis of the Costa Rica Vaccine and PATRICIA randomized controlled trials. *Costa Rica Vaccine Trial; PATRICIA study*. *J Natl Cancer Inst* 2019 Nov 7. pii: djz222. doi: 10.1093/jnci/djz 222. [Epub ahead of print] PMID: 31697384

173. 2019 Wagner S, Roberson D, Boland J, Kreimer AR, Yeager M, Cullen M, Mirabella L, Dunn ST, Walker J, Zuna R, Porras C, Cortes B, Sampson J, Herrero R, Rodriguez AC, Quint W, Van Doorn LJ; CVT Group, Hildesheim A, Schiffman M, Wentzensen N. Evaluation of TypeSeg, a Novel High-Throughput, Low-Cost, Next-Generation Sequencing-Based Assay for Detection of 51 Human Papillomavirus Genotypes. *J Infect Dis.* 2019 Oct 8;220(10):1609-1619. doi: 10.1093/infdis/jiz324 . PMID: 31536132
174. 2019 Castle PE, Adcock R, Cuzick J, Wentzensen N, Torrez-Martinez NE, Torres SM, Stoler MH, Ronnett BM, Joste NE, Darragh TM, Gravitt PE, Schiffman M, Hunt WC, Kinney WK, Wheeler CM. Relationships of p16 Immunohistochemistry and Other Biomarkers With Diagnoses of Cervical Abnormalities: Implications for LAST Terminology. New Mexico HPV Pap Registry Steering Committee: p16 IHC Study Panel. *Arch Pathol Lab Med.* 2019 Nov 13. doi: 10.5858/arpa.2019-0241-OA [Epub ahead of print] PMID: 3171823-3
175. 2020 Massad LS, Xie X, Minkoff H, Kassaye S, Karim R, Darragh TM, Golub ET, Adimora A, Wingood G, Fischl M, Konkle-Parker D, Strickler HD. Longitudinal assessment of abnormal Papanicolaou test rates among women with HIV. *AIDS.* 2020 Jan 1;34(1):73-80. doi: 10.1097/QAD.00000000000023.88. PMID: 31789890
176. 2020 Stier EA, Lensing SY, Darragh TM, Deshmukh AA, Einstein MH, Palefsky JM, Jay N, Berry-Lawhorn JM, Wilkin T, Wiley DJ, Barroso LF, Cranston RD, Levine R, Guiot HM, French AL, Citron D, Rezaei MK, Goldstone SE, Chiao E. Prevalence of and Risk Factors for Anal High-grade Squamous Intraepithelial Lesions in Women Living with Human Immunodeficiency Virus. *Clin Infect Dis.* 2020 Apr 10;70(8):1701-1707. doi: 10.1093/cid/ciz408. PMID: 31292602
177. 2020 Alberts CJ, Heard I, Canestri A, Marchand L, Flejou JF, Piroth L, Ferry T, Didelot JM, Siproudhis L, Henno S, Poizot-Martin I, Darragh TM, Clifford GM, Combes JD, Etienney I, ANRS EP57 APACHES Study group. Incidence and clearance of anal HPV-16 and HPV-18 infection, and their determinants, among HIV-infected men who have sex with men in France. *J Infect Dis.* 2020 Apr 7;221(9):1488-1493. doi: 10.1093/infdis/jiz623.

178. 2020 Clarke MA, Massad LS, Khan MJ, Smith KM, Guido RS, Mayeaux EJ Jr, Darragh TM, Huh WK, Johnson AL, Gold MA, Schiffman M, Wentzensen N. Challenges Associated With Cervical Cancer Screening and Management in Obese Women: A Provider Perspective. *J Low Genit Tract Dis.* 2020 Apr;24(2):184-191. doi: 10.1097/LGT.0000000000000506. PMID: 32243314
179. 2020 Clarke MA, Darragh TM, Nelson E, Unger ER, Zuna R, Cremer M, Stockdale CK, Einstein MH, Wentzensen N. Reporting and Assessing the Quality of Diagnostic Accuracy Studies for Cervical Cancer Screening and Management. *J Low Genit Tract Dis.* 2020 Apr;24(2):157-166. doi: 10.1097/LGT.0000000000000527. PMID: 32243311
180. 2020 Clarke MA, Unger ER, Zuna R, Nelson E, Darragh TM, Cremer M, Stockdale CK, Einstein MH, Wentzensen N. A Systematic Review of Tests for Postcolposcopy and Posttreatment Surveillance. *J Low Genit Tract Dis.* 2020 Apr;24(2):148-156. doi: 10.1097/LGT.0000000000000526. PMID: 32243310
181. 2020 Perkins RB, Guido RS, Castle PE, Chelmow D, Einstein MH, Garcia F, Huh WK, Kim JJ, Moscicki AB, Nayar R, Saraiya M, Sawaya GF, Wentzensen N, Schiffman M; 2019 ASCCP Risk-Based Management Consensus Guidelines Committee. 2019 ASCCP Risk-Based Management Consensus Guidelines for Abnormal Cervical Cancer Screening Tests and Cancer Precursors. *J Low Genit Tract Dis.* 2020 Apr;24(2):102-131. doi: 10.1097/LGT.0000000000000525. PMID: 32243307

182. 2020 Almonte M, Murillo R, Sánchez GI, González P, Ferrera A, Picconi MA, Wiesner C, Cruz-Valdez A, Lazcano-Ponce E, Jerónimo J, Ferreccio C, Kasamatsu E, Mendoza L, Rodríguez G, Calderón A, Venegas G, Villagra V, Tatti S, Fleider L, Terán C, Baena A, Hernández ML, Rol ML, Lucas E, Barbier S, Ramírez AT, Arrossi S, Rodríguez MI, González E, Celis M, Martínez S, Salgado Y, Ortega M, Beracochea AV, Pérez N, Rodríguez de la Peña M, Ramón M, Hernández-Nevarez P, Arboleda-Naranjo M, Cabrera Y, Salgado B, García L, Retana MA, Colucci MC, Arias-Stella J, Bellido-Fuentes Y, Bobadilla ML, Olmedo G, Brito-García I, Méndez-Herrera A, Cardinal L, Flores B, Peñaranda J, Martínez-Better J, Soilán A, Figueroa J, Caserta B, Sosa C, Moreno A, Mural J, Doimi F, Giménez D, Rodríguez H, Lora O, Luciani S, Broutet N, Darragh T, Herrero R. Multicentric study of cervical cancer screening with human papillomavirus testing and assessment of triage methods in Latin America: the ESTAMPA screening study protocol. *BMJ Open*. 2020 May 24;10(5):e035796. doi: 10.1136/bmjopen-2019-035796. PMID: 32448795
183. 2020 Nowak RG, Schumaker LM, Ambulos NP, Ndembi N, Dauda W, Nnaji CH, Mitchell A, Mathias TJ, Jibrin P, Darragh TM, Olaomi O, Crowell TA, Baral SD, Charurat ME, Bentzen SM, Palefsky JM, Cullen KJ; TRUST/RV368 Study Group. Multiple HPV infections among men who have sex with men engaged in anal cancer screening in Abuja, Nigeria. *Papillomavirus Res*. 2020 May 31;10:100200. doi: 10.1016/j.pvr.2020.100200. Online ahead of print. PMID: 32492573
184. 2020 Patel P, Bush T, Conley L, Unger ER, Darragh TM, Henry K, Escota G, Brooks JT, Kojic EM. Prevalence, Incidence, and Clearance of Human Papillomavirus Types Covered by current Vaccines in Men With Human Immunodeficiency Virus in the SUN Study. *J Infect Dis*. 2020 Jun 29;222(2):234-242. doi: 10.1093/infdis/jiz425. PMID: 31536120
185. 2020 Nayar R, Chhieng DC, Crothers B, Darragh TM, Davey DD, Eisenhut C, Goulart R, Huang EC, Tabbara SO. Moving forward-the 2019 ASCCP Risk-Based Management Consensus Guidelines for Abnormal Cervical Cancer Screening Tests and Cancer Precursors and beyond: implications and suggestions for laboratories. *J Am Soc Cytopathol*. 2020;9(4):291-303. doi:10.1016/j.jasc.2020.05.002

186. 2020 Gagliardi A, Porter VL, Zong Z, Bowlby R, Titmuss E, Namirembe C, Griner NB, Petrello H, Bowen J, Chan SK, Culibrk L, Darragh TM, Stoler MH, Wright TC, Gesuwan P, Dyer MA, Ma Y, Mungall KL, Jones SJM, Nakisige C, Novik K, Orem J, Origa M, Gastier-Foster JM, Yarchoan R, Casper C, Mills GB, Rader JS, Ojesina AI, Gerhard DS, Mungall AJ, Marra MA. Analysis of Ugandan cervical carcinomas identifies human papillomavirus clade-specific epigenome and transcriptome landscapes. *Nat Genet.* 2020 Aug;52(8):800-810. doi: 10.1038/s41588-020-0673-7. Epub 2020 Aug 3. PMID: 32747824
187. 2020 Chiao E, Lensing SY, Wiley DJ, Deshmukh AA, Lee J, Darragh TM, Einstein MH, Jay N, Berry-Lawhorn JM, Palefsky JM, Wilkin T, Barroso LF, Cranston RD, Levine R, Guiot HM, French AL, Citron D, Rezaei MK, Goldstone SE, Stier EA. Screening strategies for the detection of anal high-grade squamous intraepithelial lesions in women living with HIV. *AIDS.* 2020 Sep 17. doi: 10.1097/QAD.0000000000002694. Online ahead of print. PMID: 32947592
188. 2020 Porras C, Tsang SH, Herrero R, Guillén D, Darragh TM, Stoler MH, Hildesheim A, Wagner S, Boland J, Lowy DR, Schiller JT, Schiffman M, Schussler J, Gail MH, Quint W, Ocampo R, Morales J, Rodríguez AC, Hu S, Sampson JN, Kreimer AR; Costa Rica Vaccine Trial Group. Efficacy of the bivalent HPV vaccine against HPV 16/18-associated precancer: long-term follow-up results from the Costa Rica Vaccine Trial. *Lancet Oncol.* 2020 Dec;21(12):1643-1652. doi: 10.1016/S1470-2045(20)30524-6. PMID: 33271093
189. 2021 Greenland NY, Wolsky RJ, Darragh TM, Vohra P. Cytopathology. Gastric-type endocervical adenocarcinoma and cervical cytology: Experience at a general hospital and review of the literature. *Cytopathology.* 2021 Jan;32(1):75-83. doi: 10.1111/cyt.12907. Epub 2020 Oct 5. PMID: 32851700
190. 2021 Liu Y, McCluggage WG, Darragh TM, Zheng W, Roberts JM, Park KJ, Hui P, Blakely M, Sigel K, Gaisa MM. Classifying Anal Intraepithelial Neoplasia 2 Based on LAST Recommendations. *Am J Clin Pathol.* 2021 May 18;155(6):845-852. doi: 10.1093/ajcp/aqaa188. PMID: 33210115

191. 2021 Ellsworth GB, Stier EA, Chiao EY, Lensing SY, Darragh T, Jay N, Berry-Lawhorn JM, Einstein M, Barroso LF, Cranston RD, Levine R, Guiot HM, French AL, Goldstone SE, Preiser W, Claassen M, Palefsky JM, Wilkin TJ; AIDS Malignancy Consortium. Xpert HPV as a Screening Tool for Anal Histologic High-Grade Squamous Intraepithelial Lesions in Women Living With HIV. *J Acquir Immune Defic Syndr*. 2021 Jul 1;87(3):978-984. doi: 10.1097/QAI.0000000000002672. PMID: 34110312
192. 2021 Liu Y, McCluggage WG, Darragh TM, Farhat N, Blakely M, Sigel K, Zheng W, Westra WH, Gaisa MM. p16 Immunoreactivity Correlates with Morphologic Diagnosis of HPV-associated Anal Intraepithelial Neoplasia: A Study of 1000 Biopsies. *Am J Surg Pathol*. 2021 Nov 1;45(11):1573-1578. doi: 10.1097/PAS.0000000000001769. PMID: 34231547
193. 2021 Palefsky JM, Lensing SY, Belzer M, Lee J, Gaur AH, Mayer K, Futterman D, Stier EA, Paul ME, Chiao EY, Reirden D, Goldstone SE, Tirado M, Cachay ER, Barroso LF, Da Costa M, Darragh TM, Rudy BJ, Wilson CM, Kahn JA; AIDS Malignancy Consortium and Adolescent Medicine Trials Network for HIV/AIDS Interventions. High prevalence of anal high-grade squamous intraepithelial lesions, and prevention through human papillomavirus vaccination, in young men who have sex with men living with HIV. *Clin Infect Dis*. 2021 May 15:ciab434. doi: 10.1093/cid/ciab434. Online ahead of print. PMID: 33991185
194. 2021 Sierra MS, Tsang SH, Hu S, Porras C, Herrero R, Kreimer AR, Schussler J, Boland J, Wagner S, Cortes B, Rodríguez AC, Quint W, van Doorn LJ, Schiffman M, Sampson JN, Hildesheim A; Costa Rica Human Papillomavirus Vaccine Trial (CVT) Group. Risk Factors for Non-Human Papillomavirus (HPV) Type 16/18 Cervical Infections and Associated Lesions Among HPV DNA-Negative Women Vaccinated Against HPV-16/18 in the Costa Rica Vaccine Trial. *J Infect Dis*. 2021 Aug 2;224(3):503-516. doi: 10.1093/infdis/jiaa768. PMID: 33326576
195. 2022 Lee JY, Lensing SY, Berry-Lawhorn JM, Jay N, Darragh TM, Goldstone SE, Wilkin TJ, Stier EA, Einstein M, Pugliese JC, Palefsky JM; ANCHOR Investigators. Design of the anal cancer/HSIL outcomes research study (ANCHOR study): A randomized study to prevent anal cancer among persons living with HIV. *Contemp Clin Trials*. 2022 Jan 8:106679. doi: 10.1016/j.cct.2022.106679. Online ahead of print. PMID: 35017115

196. 2022 Usyk M, Schlecht NF, Pickering S, Williams L, Sollecito CC, Gradissimo A, Porras C, Safaeian M, Pinto L, Herrero R, Strickler HD, Viswanathan S, Nucci-Sack A, Diaz A; Costa Rica HPV Vaccine Trial (CVT) Group, Burk RD. molBV reveals immune landscape of bacterial vaginosis and predicts human papillomavirus infection natural history. *Nat Commun.* 2022 Jan 11;13(1):233. doi: 10.1038/s41467-021-27628-3. PMID: 35017496
197. 2022 Tsang SH, Schiller JT, Porras C, Kemp TJ, Herrero R, Schussler J, Sierra MS, Cortes B, Hildesheim A, Lowy DR, Rodríguez AC, Romero B, Çuburu N, Shing JZ, Pinto LA, Sampson JN, Kreimer AR; Costa Rica HPV Vaccine Trial Group. HPV16 infection decreases vaccine-induced HPV16 antibody avidity: the CVT trial. *NPJ Vaccines.* 2022 Mar 29;7(1):40. doi: 10.1038/s41541-022-00431-x. PMID: 35351898
198. 2022 Cohen CM, Wentzensen N, Lahrmann B, Tokugawa D, Poitras N, Bartels L, Krauthoff A, Keil A, Miranda F, Castle PE, Lorey T, Hare B, Darragh TM, Grabe N, Clarke MA. Automated evaluation of p16/Ki-67 dual stain cytology as a biomarker for detection of anal precancer in MSM living with HIV. *Clin Infect Dis.* 2022 Mar 24:ciac211. doi: 10.1093/cid/ciac211. Online ahead of print. PMID: 35325073
199. 2022 Hu SY, Kreimer AR, Porras C, Guillén D, Alfaro M, Darragh TM, Stoler MH, Villegas LF, Ocampo R, Rodriguez AC, Schiffman M, Tsang SH, Lowy DR, Schiller JT, Schussler J, Quint W, Gail MH, Sampson JN, Hildesheim A, Herrero R; Costa Rica HPV Vaccine Trial (CVT) Group Bernal. Performance of cervical screening a decade following HPV vaccination: The Costa Rica Vaccine Trial. *J Natl Cancer Inst.* 2022 May 31:djac107. doi: 10.1093/jnci/djac107. Online ahead of print. PMID: 35640980
200. 2022 Palefsky JM, Lee JY, Jay N, Goldstone SE, Darragh TM, Dunlevy HA, Rosa-Cunha I, Arons A, Pugliese JC, Vena D, Sparano JA, Wilkin TJ, Bucher G, Stier EA, Tirado Gomez M, Flowers L, Barroso LF, Mitsuyasu RT, Lensing SY, Logan J, Aboulafia DM, Schouten JT, de la Ossa J, Levine R, Korman JD, Hagensee M, Atkinson TM, Einstein MH, Cracchiolo BM, Wiley D, Ellsworth GB, Brickman C, Berry-Lawhorn JM; ANCHOR Investigators Group. Treatment of Anal High-Grade Squamous Intraepithelial Lesions to Prevent Anal Cancer. *N Engl J Med.* 2022 Jun 16;386(24):2273-2282. doi: 10.1056/NEJMoa2201048. PMID: 35704479

201. 2022 Shing JZ, Hu S, Herrero R, Hildesheim A, Porras C, Sampson JN, Schussler J, Schiller JT, Lowy DR, Sierra MS, Carvajal L, Kreimer AR; Costa Rica HPV Vaccine Trial Group. Precancerous cervical lesions caused by non-vaccine-preventable HPV types after vaccination with the bivalent AS04-adjuvanted HPV vaccine: an analysis of the long-term follow-up study from the randomised Costa Rica HPV Vaccine Trial. *Lancet Oncol.* 2022 Jun 13:S1470-2045(22)00291-1. doi: 10.1016/S1470-2045(22)00291-1. Online ahead of print. PMID: 35709811
202. 2023 Chowdhury S, Darragh TM, Berry-Lawhorn JM, Isaguliant MG, Vonsky MS, Hilton JF, Lazar AA, Palefsky JM. HPV Type Distribution in Benign, High-Grade Squamous Intraepithelial Lesions and Squamous Cell Cancers of the Anus by HIV Status. *Cancers (Basel).* 2023 Jan 20;15(3):660. doi: 10.3390/cancers15030660. PMID: 36765617
203. 2023 Valls J, Baena A, Venegas G, Celis M, González M, Sosa C, Santin JL, Ortega M, Soilán A, Turcios E, Figueroa J, Rodríguez de la Peña M, Figueredo A, Beracochea AV, Pérez N, Martínez-Better J, Lora O, Jiménez JY, Giménez D, Fleider L, Salgado Y, Martínez S, Bellido-Fuentes Y, Flores B, Tatti S, Villagra V, Cruz-Valdez A, Terán C, Sánchez GI, Rodríguez G, Picconi MA, Ferrera A, Mendoza L, Calderón A, Murillo R, Wiesner C, Broutet N, Luciani S, Pérez C, Darragh TM, Jerónimo J, Herrero R, Almonte M; ESTAMPA study group. Performance of standardised colposcopy to detect cervical precancer and cancer for triage of women testing positive for human papillomavirus: results from the ESTAMPA multicentric screening study. *Lancet Glob Health.* 2023 Mar;11(3):e350-e360. doi: 10.1016/S2214-109X(22)00545-9. PMID: 36796982
204. 2023 Befano B, Campos NG, Egemen D, Herrero R, Schiffman M, Porras C, Lowy DR, Rodriguez AC, Schiller JT, Ocampo R, Hildesheim A, Sampson JN, Das S, Kreimer AR, Cheung LC; Costa Rica HPV Vaccine Trial (CVT) Group. Estimating human papillomavirus vaccine efficacy from a single-arm trial: Proof-of-principle in the Costa Rica Vaccine Trial. *J Natl Cancer Inst.* 2023 Apr 11:djad064. doi: 10.1093/jnci/djad064. Online ahead of print. PMID: 37040086
205. 2023 Clifford GM, Baussano I, Heideman DAM, Tshering S, Choden T, Lazzarato F, Tenet V, Franceschi S, Darragh TM, Tobgay T, Tshomo U. Human papillomavirus testing on self-collected samples to detect high-grade cervical lesions in rural Bhutan: The REACH-Bhutan study. *Cancer Med.* 2023 May;12(10):11828-11837. doi: 10.1002/cam4.5851. Epub 2023 Mar 31. PMID: 36999740

206. 2023
Ramírez AT, Valls J, Baena A, Rojas FD, Ramírez K, Álvarez R, Cristaldo C, Henríquez O, Moreno A, Reynaga DC, Palma HG, Robinson I, Hernández DC, Bardales R, Cardinal L, Salgado Y, Martínez S, González E, Guillén D, Fleider L, Tatti S, Villagra V, Venegas G, Cruz-Valdez A, Valencia M, Rodríguez G, Terán C, Picconi MA, Ferrera A, Kasamatsu E, Mendoza L, Calderon A, Luciani S, Broutet N, Darragh T, Almonte M, Herrero R. Performance of cervical cytology and HPV testing for primary cervical cancer screening in Latin America: an analysis within the ESTAMPA study. ESTAMPA Study Group. *Lancet Reg Health Am.* 2023 Sep 20;26:100593. doi: 10.1016/j.lana.2023.100593. eCollection 2023 Oct. PMID: 37766799
207. 2023
Mix JM, Miller MJ, Querec TD, Darragh TM, Saraiya M, Gopalani SV, Lynch CF, Thompson TD, Greek A, Tucker TC, Peters ES, Unger ER. Human Papillomavirus Detection in Scrotal Squamous Cell Carcinoma: Case Series from a Population-Based Cancer Registry. *J Registry Manag.* 2023 Winter;50(4):116-121. PMID: 38504701; PMCID: PMC10945928.
208. 2024
Perkins RB, Guido RS, Castle PE, Chelmow D, Einstein MH, Garcia F, Huh WK, Kim JJ, Moscicki AB, Nayar R, Saraiya M, Sawaya GF, Wentzensen N, Schiffman M; 2019 ASCCP Risk-Based Management Consensus Guidelines Committee. 2019 ASCCP Risk-Based Management Consensus Guidelines: Updates Through 2023. *J Low Genit Tract Dis.* 2024 Jan 1;28(1):3-6. doi: 10.1097/LGT.0000000000000788. PMID: 38117563; PMCID: PMC10755815.
209. 2024
Clarke MA, Wentzensen N, Perkins RB, Garcia F, Arrindell D, Chelmow D, Cheung LC, Darragh TM, Egemen D, Guido R, Huh W, Locke A, Lorey TS, Nayar R, Risley C, Saslow D, Smith RA, Unger ER, Massad LS; Enduring Consensus Cervical Cancer Screening and Management Guidelines Committee. Recommendations for Use of p16/Ki67 Dual Stain for Management of Individuals Testing Positive for Human Papillomavirus. *J Low Genit Tract Dis.* 2024 Mar 6. doi: 10.1097/LGT.0000000000000802. Epub ahead of print. PMID: 38446575.

210. 2024 Stier EA, Jain M, Joshi H, Darragh TM, Deshmukh AA, Lee J, Einstein MH, Jay N, Berry-Lawhorn JM, Palefsky JM, Wilkin T, Ellsworth G, French AL, Barroso LF, Levine R, Guiot HM, Rezaei MK, Chiao E. Two-Year Incidence and Cumulative Risk and Predictors of Anal High-Grade Squamous Intraepithelial Lesions (Anal Precancer) Among Women With Human Immunodeficiency Virus. *Clin Infect Dis*. 2024 Mar 20;78(3):681-689. doi: 10.1093/cid/ciad614. PMID: 37805952; PMCID: PMC10954341.
211. 2024 Tao AS, Zuna R, Darragh TM, Grabe N, Lahrmann B, Clarke MA, Wentzensen N. Interobserver reproducibility of cervical histology interpretation with and without p16 immunohistochemistry. *Am J Clin Pathol*. 2024 Mar 25:aqae029. doi: 10.1093/ajcp/aqae029. Epub ahead of print. PMID: 38527169.
212. 2024 Liang B, Zhao J, Kim Y, Barry-Holson KQ, Bingham DB, Charville GW, Darragh TM, Folkins AK, Howitt BE, Kong CS, Longacre TA, McHenry AJ, Toland AMS, Zhang X, Lim K, Khan MJ, Kang D, Yang EJ. Scattering-Based Light-Sheet Microscopy Imaging of Human Papillomavirus-Associated Squamous Lesions of the Anal Canal: A Proof-of-Principle Study. *Mod Pathol*. 2024 Apr 13;37(6):100493. doi: 10.1016/j.modpat.2024.100493. Epub ahead of print. PMID: 38615709.
213. 2024 Shing JZ, Porras C, Pinheiro M, Herrero R, Hildesheim A, Liu D, Gail MH, Romero B, Schiller JT, Zúñiga M, Mishra S, Burdette L, Jones K, Schussler J, Ocampo R, Fang J, Liu Z, Lowy DR, Tsang SH, Rodríguez AC, Schiffman M, Haas CB, Carvajal LJ, Brown JR, Kreimer AR, Mirabello L; Costa Rica HPV Vaccine Trial (CVT) Group. Differential long-term bivalent HPV vaccine cross-protection by variants in the Costa Rica HPV vaccine trial. *NPJ Vaccines*. 2024 Jun 8;9(1):101. doi: 10.1038/s41541-024-00896-y. PMID: 38851816; PMCID: PMC11162434.
214. 2024 Sebitloane HM, Forestier M, Ginindza TG, Dhlomo W, Moodley-Govender E, Darragh TM, Baena A, Herrero R, Almonte M, Broutet N, De Vuyst H. Cervical Cancer Screening and Treatment Algorithms Using Human Papillomavirus Testing-Lessons Learnt from a South African Pilot Randomized Controlled Trial. *Cancer Epidemiol Biomarkers Prev*. 2024 Jun 3;33(6):779-787. doi: 10.1158/1055-9965.EPI-23-0752. PMID: 37955560; PMCID: PMC11145165.

215. 2024 Mix JM, Gopalani SV, Miller M, Saraiya M, Darragh TM, Lynch CF, Thompson TD, Senkomago V, Greek A, Tucker TC, Unger ER. Scrotal Cancer Incidence Rates and Trends-United States, 1999-2020. *Urology*. 2024 Jun 25;S0090-4295(24)00498-9. doi: 10.1016/j.urology.2024.06.048. Epub ahead of print. PMID: 38936628.
216. 2024 Combes JD, Didelot JM, Radenne S, Zaegel-Faucher O, Lesage AC, Siproudhis L, Piroth L, Marchand L, Heard I, Hoyeau N, Henno S, Darragh TM, Alberts CJ, Clifford GM, Etienney I; ANRS-EP57-APACHES Study group. Cumulative Detection of Anal High-Grade Squamous Intraepithelial Lesions Over 2-Year Follow-up in Men Who Have Sex With Men Living With Human Immunodeficiency Virus in France. *J Infect Dis*. 2024 Jul 25;230(1):55-60. doi: 10.1093/infdis/jiad506. PMID: 39052708.
217. 2024 Hernandez AL, Hilton JF, Weatherly CS, Berry-Lawhorn JM, Jay N, Brickman C, Wang CJ, Kauffman J, Calderon J, Farhat S, Da Costa M, Akha AS, Darragh T, Palefsky JM. Prevalence of Anal Human Papillomavirus Infection and Anal High-Grade Squamous Intraepithelial Lesions Among Men Who Have Sex With Men 50 Years and Older Living With or Without HIV. *J Acquir Immune Defic Syndr*. 2024 Aug 15;96(5):439-446. doi: 10.1097/QAI.0000000000003450. PMID: 38985441.
218. 2025 Massad LS, Clarke MA, Perkins RB, Garcia F, Chelmow D, Cheung LC, Darragh TM, Egemen D, Lorey TS, Nayar R, Newman M, Risley C, Smith RA, Wentzensen N; Enduring Consensus Cervical Cancer Screening and Management Guidelines Committee. Applying Results of Extended Genotyping to Management of Positive Cervicovaginal Human Papillomavirus Test Results: Enduring Guidelines. *J Low Genit Tract Dis*. 2025 Jan 10. doi: 10.1097/LGT.0000000000000865. Epub ahead of print. PMID: 39791481.

NON-PEER REVIEWED PUBLICATIONS

1. 2004 DARRAGH TM, Winkler B: The ABCs of anal-rectal cytology. **CAP Today**, pp. 42-50, May 2004.
2. 2007 Wasserman PG, Schwartz MR, DARRAGH TM: Understanding HPV testing's place in primary screening. **CAP Today**, 21(1):39-39-47, January 2007.
3. 2007 DARRAGH TM, Colgan TJ: ASCCP '06 Consensus Guidelines - What's New and Different? **CAP Today**, 21(11):93-98, November 2007.

4. 2016 Sturgis CD, DARRAGH TM: Anal Cytology: Life Saving Potential at Low Cost. **CAP Today, 30(1):38-10, January 2016.**
5. 2021 Darragh TM. Pathology of anal squamous intraepithelial lesions and cancer: Similarities and differences from cervical pathology. HPV World. www. HPVWorld.com, 167. July 2021.

BOOKS AND CHAPTERS

1. 2004 Birdsong GG, Davey DD, DARRAGH TM, Elgert PA, Henry M: Specimen Adequacy. The Bethesda System for Reporting Cervical Cytology: Definitions, Criteria and Explanatory Notes. Solomon D, Nayar R (ed), Springer, 2nd ed. Chapter 1, 2004.
2. 2004 DARRAGH TM, Birdsong GG, Luff RD, Davey DD: Anal-rectal cytology. The Bethesda System for Reporting Cervical Cytology: Definitions, Criteria and Explanatory Notes. Solomon D, Nayar R (ed), Springer, 2nd ed. Chapter 8, 2004.
3. 2008 DARRAGH TM: Anal cytology. In College of American Pathologists Practical Guide to Gynecologic Cytopathology: Morphology, Management and Molecular Methods. CAP Press, Chapter 8, 2008.
4. 2008 DARRAGH TM, Berry JM, Jay N, Palefsky J: Anal Disease. In Colposcopy: Principles and Practice, Apgar, Brotzman and Spitzer,(eds) 2nd ed., Elsevier. Chapter 23, August, 2008.
5. 2011 DARRAGH TM, Berry JM, Jay N, Palefsky JM. The Anal Canal and Perianus: HPV-related Disease. In: Modern Colposcopy. 3rd edition. December 2011.
6. 2015 DARRAGH TM and Palefsky JM: Anal Cytology. Chapter 8. The Bethesda System for Reporting Cervical Cytology. R. Nayar. D.C. Wilbur (Eds). Springer, 3rd ed. 2015.
7. 2015 Nayar R and DARRAGH TM: Educational Notes and Comments appended to Cytology Reports. Chapter 11. The Bethesda System for Reporting Cervical Cytology. R. Nayar. D.C. Wilbur (Eds). Springer, 3rd ed. 2015.
8. 2015 Wentzensen N, Schiffman M, Chelmow D, Darragh TM, Waxman AG. Risk Assessment Approach to Management. Chapter 12. The Bethesda System for Reporting Cervical Cytology. R. Nayar. D.C. Wilbur (Eds). Springer, 3rd ed. 2015.

9. 2018 Roberts J, Darragh TM: Cytology and Histopathology of HPV-Associated Anal Lesions. Chapter 4. Anal Intraepithelial Neoplasia: A Clinician's Guide and Atlas to Diagnosis and Treatment, S. Goldstone and N. Jay (Eds). Springer Publishers (in press).

OTHER PUBLICATIONS

1. 1997 DARRAGH TM: The ThinPrep pap test: An advance in cervical cancer screening. Women's Health J 1:35, 1997.
2. 1997 DARRAGH TM, Interpreting Pap tests: Automated techniques. Audio-Digest Foundation audiocassette 44(06): March 15, 1997.
3. 1998 DARRAGH TM: Endometrial and endocervical AGUS. Audio-Digest Foundation audiocassette 45(09): May 1, 1998.
4. 2007 DARRAGH TM: College of American Pathologists, 2007 FNA-A Online Education Activity, Giant Cell Tumor of Bone.
5. 2007 DARRAGH TM: College of American Pathologists, 2007 FNA-B Online Education Activity, Chondroblastoma.
6. 2007 DARRAGH TM: College of American Pathologists, 2007 PAP-A Online Education Activity, Cervical Adenosarcoma.
7. 2009 DARRAGH TM: College of American Pathologists, 2009 NGC-A Online Education Activity, Squamous cell carcinoma of the anus.
8. 2010 Fatheree L, DARRAGH TM: College of American Pathologists, 2010 PAP-A Online Education Activity, Paget's Disease, Gynecologic cytology.

SIGNIFICANT PUBLICATIONS

1. 2012 DARRAGH TM, Colgan TJ, Cox JT, Heller DS, Henry MR, Nayar R, Palefsky JM, Stoler MH, Wilkinson EJ, Zaino RJ, Wilbur DC: The Lower Anogenital Squamous Terminology Standardization Project for HPV-associated Lesions: Background and Consensus Recommendations from the College of American Pathologists and the American Society for Colposcopy and Cervical Pathology.
J Low Genit Tract Dis. 16(3):205-242, July 2012.
Arch Pathol Lab Med. 2012 Oct; 136(10):1266-97. Epub 2012 Jun 28.
Int J Gynecol Pathol. 2013 Jan;32(1):76-115.

I conceived and organized the CAP-ASCCP LAST Project; I am lead author of the manuscript. After a comprehensive literature review, the project aimed at synthesizing our current knowledge of HPV-associated squamous lesions of the lower anogenital tract and providing recommendations for harmonizing terminology for these lesions regardless of body site and recommendations for the judicious use of biomarkers to enhance diagnostic accuracy. Over 50 multidisciplinary experts participated in the working groups. The project culminated in a consensus conference attended by representatives of the major national and international professional organizations in the field. The complete manuscript was published simultaneously in the journals of the two sponsoring organizations and subsequently published in the International Journal of Gynecologic Pathology. The recommendations from the LAST project have been adopted by the World Health Organization for the cervix, vagina, and vulva.

2. 2013 DARRAGH TM, Winkler B, Souers RJ, Laucirica R, Zhao C, Moriarty AT; College of American Pathologists Cytopathology Committee. Room for improvement: initial experience with anal cytology: observations from the College of American Pathologists interlaboratory comparison program in nongynecologic cytology. **Arch Pathol Lab Med. 2013 Nov;137(11):1550-4. doi: 10.5858/arpa.2012-0574-CP. PMID: 24168493**

Considered an expert in anal cytology, I helped develop the anal cytology portion of the College of American Pathologists Interlaboratory Comparison Program. This study represents the findings of the first 6 years of experience with this specimen type in the program. I designed the study, analyzed the data and am lead author on the manuscript.

3. 2015 Moscicki AB, Darragh TM, Berry-Lawhorn JM, Roberts JM, Khan MJ, Boardman LA, Chiao E, Einstein MH, Goldstone SE, Jay N, Likes WM, Stier EA, Welton ML, Wiley DJ, Palefsky JM. Screening for Anal Cancer in Women. **J Lower Genit Tract Dis.** 2015 Jul;19(3 Suppl 1):S26-41. doi: 10.1097/LGT.000000000000117.

This is a comprehensive review of the literature regarding anal cancer screening in women co-sponsored by the American Society of Colposcopy and Cervical Pathology and the International Anal Neoplasia Society. I was the head of the section responsible for the review of the literature on anal HPV, precancers and cancer in the general population of women. I am lead author of this section and helped review the entire manuscript.
4. 2020 Almonte M, Murillo R, Sánchez GI, González P, Ferrera A, Picconi MA, Wiesner C, Cruz-Valdez A, Lazcano-Ponce E, Jerónimo J, Ferreccio C, Kasamatsu E, Mendoza L, Rodríguez G, Calderón A, Venegas G, Villagra V, Tatti S, Fleider L, Terán C, Baena A, Hernández ML, Rol ML, Lucas E, Barbier S, Ramírez AT, Arrossi S, Rodríguez MI, González E, Celis M, Martínez S, Salgado Y, Ortega M, Beracochea AV, Pérez N, Rodríguez de la Peña M, Ramón M, Hernández-Navarez P, Arboleda-Naranjo M, Cabrera Y, Salgado B, García L, Retana MA, Colucci MC, Arias-Stella J, Bellido-Fuentes Y, Bobadilla ML, Olmedo G, Brito-García I, Méndez-Herrera A, Cardinal L, Flores B, Peñaranda J, Martínez-Better J, Soilán A, Figueroa J, Caserta B, Sosa C, Moreno A, Mural J, Doimi F, Giménez D, Rodríguez H, Lora O, Luciani S, Broutet N, Darragh T, Herrero R. Multicentric study of cervical cancer screening with human papillomavirus testing and assessment of triage methods in Latin America: the ESTAMPA screening study protocol. *BMJ Open.* 2020 May 24;10(5):e035796. doi: 10.1136/bmjopen-2019-035796. PMID: 32448795

This is the methods paper for the on-going WHO/IARC ESTAMPA study. I am the lead QI pathologist for the study and provided two 4-day trainings for the pathologists from various countries in Latin America who are collaborating on this study; this reflects the efforts for "knowledge transfer" to the local sites to improve their cervical cancer prevention efforts.
5. 2020 Porras C, Tsang SH, Herrero R, Guillén D, Darragh TM, Stoler MH, Hildesheim A, Wagner S, Boland J, Lowy DR, Schiller JT, Schiffman M, Schussler J, Gail MH, Quint W, Ocampo R, Morales J, Rodríguez AC, Hu S, Sampson JN, Kreimer AR; Costa Rica Vaccine Trial Group. Efficacy of the bivalent HPV vaccine against HPV 16/18-associated precancer: long-term follow-up results from the Costa Rica Vaccine Trial. *Lancet Oncol.* 2020 Dec;21(12):1643-1652. doi: 10.1016/S1470-2045(20)30524-6. PMID: 33271093

This is one of the latest publications from the ongoing NCI - Costa Rica study on the efficacy of HPV vaccination on cervical cancer prevention. I am the lead QI pathologist for these efforts.

6. 2020 Gagliardi A, Porter VL, Zong Z, Bowlby R, Titmuss E, Namirembe C, Griner NB, Petrello H, Bowen J, Chan SK, Culibrk L, Darragh TM, Stoler MH, Wright TC, Gesuwan P, Dyer MA, Ma Y, Mungall KL, Jones SJM, Nakisige C, Novik K, Orem J, Origa M, Gastier-Foster JM, Yarchoan R, Casper C, Mills GB, Rader JS, Ojesina AI, Gerhard DS, Mungall AJ, Marra MA. Analysis of Ugandan cervical carcinomas identifies human papillomavirus clade-specific epigenome and transcriptome landscapes. *Nat Genet.* 2020 Aug;52(8):800-810. doi: 10.1038/s41588-020-0673-7. Epub 2020 Aug 3. PMID: 32747824

As part of the National Cancer Institute's (NCI) HIV+ Tumor Molecular Characterization Project (HTMCP), we characterized genomic, transcriptomic and epigenomic landscapes of cervical cancers from Ugandan patients. My contributions included leading and organizing the expert review of the histopathology of all specimens in the cohort.