

Curriculum Vitae

JOEL T MONCUR, MD, PhD, MS, FCAP

606 Stephen Sitter Ave, Silver Spring, MD 20910-1290

joel.moncur@gmail.com

Current and Past Positions:

- 2024-Pres Deputy Director and Chief Medical Officer, The Joint Pathology Center, Silver Spring, MD (civilian)
- 2015-Pres Associate Professor of Pathology, Uniformed Services University, Bethesda, MD
- 2018-2023 Director, The Joint Pathology Center, Silver Spring, MD (active duty military)
- 2018-2023 Vice Chair for Clinical Research, Joint Department of Pathology, Uniformed Services University, Walter Reed National Military Medical Center, The Joint Pathology Center
- 2011-2023 Staff Pathologist, Walter Reed National Military Medical Center, Bethesda, MD
- 2016-2018 Vice Chair for Clinical Affairs, Joint Department of Pathology, Uniformed Services University, Walter Reed National Military Medical Center, The Joint Pathology Center
- 2013-2018 Chief of Pathology, Walter Reed National Military Medical Center, Bethesda, MD
- 2005-2015 Assistant Professor of Pathology, Uniformed Services University of Health Sciences, Bethesda, MD
- 2013-2015 Laboratory Director, DiLorenzo Tricare Health Clinic Laboratory, Pentagon, Arlington, VA
- 2011-2014 Medical Director of Molecular Pathology, Walter Reed National Military Medical Center, Bethesda, MD
- 2012-2013 Interim Chief, Anatomic Pathology, Walter Reed National Military Medical Center, Bethesda, MD
- 2007-2012 Pathology Consultant, Barquist Army HealthCare Facility, Ft Detrick, MD
- 2009-2011 Director of Clinical Research, Department of Pathology, Walter Reed Army Medical Center, Washington, DC
- 2004-2011 Medical Director, Molecular Pathology, Walter Reed Army Medical Center, Washington, DC
- 2004-2011 Staff Pathologist, Walter Reed Army Medical Center, Washington, DC
- 2008-2011 Staff Pathologist, National Naval Medical Center, Bethesda, MD
- 2004-2007 Medical Director, Autopsy Service, Walter Reed Army Medical Center, Washington, DC
- 2004-2007 Pathology Consultant, Guthrie Army Medical Center, Watertown, NY

Education:

- 1999 PhD, Molecular & Cellular Physiology, Dartmouth College, Hanover, NH
MD, Geisel School of Medicine at Dartmouth, Hanover, NH
- 1997 MS, Molecular & Cellular Physiology, Dartmouth College, Hanover, NH
- 1992 BS with Honors, Biopsychology, University of California, Santa Barbara, CA

Military Education:

- 2014 Intermediate Level Education/Command and General Staff College - Top 20% Graduate.
- 2009 AMEDD Officer Advanced Course/Captain's Career Course
- 1999 Combat Casualty Care Course
- 1994 AMEDD Office Basic Course

Clinical Training:

2000-2004 Pathology Residency, National Capital Consortium, Washington, DC
1999-2000 Transitional Internship, National Capital Consortium, Washington, DC
1996-1997 Pathology Student Fellowship, Dartmouth-Hitchcock Medical Center, Lebanon, NH

Board Certification:

2004 Anatomic and Clinical Pathology, American Board of Pathology
2007 Molecular and Genetic Pathology, American Board of Pathology

Licensure: Indiana Health Professions Bureau, Issued 2002 – Current with no restrictions

Professional Membership

2022-Pres Digital Pathology Association (DPA)
2004-Pres College of American Pathologists (CAP)
-House of Delegates, Member, Maryland Delegation (2024-Pres)
-Council on Scientific Affairs, Member (2023-Pres)
-Expert Panel Member, CAP Guideline on HPV Testing in Head and Neck Squamous Cell Carcinoma (2017-2018) and renewal of the guideline (2021-Pres)
-Molecular Oncology Committee, Advisor (2023-2024), Chair (2019-2023), Vice Chair (2015-2018), Member (2009-2015).
-Member, Digital Image Analysis Working Group to update accreditation requirements for digital image analysis (2018-2019)
-Lead Member, Next Generation Sequencing Grading Working Group to develop proficiency testing grading strategy for next generation sequencing (2017-2019)
-Lead Member, Molecular Proficiency Testing Working Group to create a strategic plan for molecular proficiency testing at the CAP (2016-2017)
-Member, *In Situ* Hybridization Working Group to update accreditation requirements (2015-2017).
-Molecular Inspector Reviewer and Approver (2016-2017)
-Lead Pathologist, *In Situ* Hybridization Proficiency Testing Program (2009-2017)
-Inspector, Laboratory Accreditation Program, Team Leader (2016, 18), Team Member (2001, 04, 06, 08, 10)
-Inspector, Biorepository Accreditation Program (2018)
2004-Pres Association for Molecular Pathology

Honors/Awards:

2024 Defense Superior Service Medal
2023 College of American Pathologists Distinguished Service Award
2023 James Robert “Bob” Grove Trophy for Outstanding Character and Sportsmanship
2021 Armed Forces Service Medal and Humanitarian Service Medal for Department of Defense Coronavirus Operations and Activities
2020 Joint Service Commendation Medal
2019 COL Joel T. Moncur Pathology Conference Room, Walter Reed National Military Medical Center (Dedicated 6/7/19)
2018 Defense Meritorious Service Medal
2017 Alpha Omega Alpha Medical Honor Society
2015 U.S. Army “A” Proficiency Designator
2015 Joint Service Achievement Medal

2014	Joint Service Commendation Medal
2011	U.S. Army Meritorious Service Medal
2010	First place, National Capital Region Military Research Competition
2009	U.S. Army Meritorious Service Medal
2006	Carol F. Adair Teaching Award.
2004	Bailey K Ashford Laboratory Research Award
2004	U.S. Army Commendation Medal
2004	U.S. Army Commendation Medal
2004	U.S. Army Achievement Medal
2003	U.S. Army Achievement Medal
1999	Hitchcock Foundation Research Prize

Selected Professional Activities:

-2024-Pres	Member, CAP House of Delegates, Maryland Delegation
-2023-Pres	Member, CAP Council on Scientific Affairs
-2023-Pres	Member, White House Cancer Moonshot Task Force for Artificial Intelligence in Oncology
-2023-Pres	Member, Walter Reed Assessment Project
-2021-Pres	Expert Panel Member, Renewal of CAP Guideline on HPV Testing in Head and Neck Squamous Cell Carcinoma
-2004-Pres	Genitourinary Pathology Consultant and Tumor Board Pathologist, Walter Reed Army Medical Center and Walter Reed National Military Medical Center
-2023	Grant Review Panel Member, PROMETHEUS Cancer Moonshot Initiative
-2021-2023	Member, Scientific Advisory Committee, Center for Prostate Disease Research
-2021	Appearance on 60 Minutes, Military programs aiming to end pandemics forever. CBS News (April 11)
-2018-2023	Board of Directors/Market Executive Board, National Capital Region Market, Military Health System
-2013-2023	Member, Murtha Cancer Center Council

Attendance at National Meetings:

2024	Military Health System Conference
2019-20, 23	Military Health System Research Symposium
2005, 09-11, 14, 17-23	College of American Pathologists, Annual Meeting
2004-12, 14-20, 22-23	Association for Molecular Pathology, Annual Meeting
2022	Defense Health Information Technology Symposium
2021	Pathology Visions, Digital Pathology Association Annual Meeting
2003, 08, 10-11, 19-21	United States & Canadian Academy of Pathology, Annual Meeting
2003, 05-10	Anatomic Pathology Review Course, AFIP
2008	American Association of Clinical Chemistry, Molecular Essentials Course
2002	Johns Hopkins Pathology, Current Topics in Gynecologic Pathology
2002, 06, 09	AFIP, Gastrointestinal Surgical & Hepatopathology Course
2002, 03	Maryland Society of Pathologists, Annual Meeting
2002, 01	American Society of Clinical Pathologists, Annual Meeting
2001	AFIP, Basic Forensic Pathology

Grant Support:

2022	Cancer Moonshot, PROMETHEUS initiative for the cataloging of Joint Pathology Center pathology samples from Military Treatment Facilities that were closed due to the Base Realignment and Closure process, to identify pathology samples associated with toxic
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- 2010 U.S. Army Commander's Venture Capital Fund Grant for the implementation of quantitative PCR assays for HSV, CMV, EBV and BK at Walter Reed Army Medical Center
- 2008, 09, 10 U.S. Army Office of the Surgeon General, Advances in Medical Practice Grant for the implementation of rapid molecular surveillance for methicillin resistant staphylococcus aureus (MRSA) at Walter Reed Army Medical Center
- 2005, 06 U.S. Army Office of the Surgeon General, Advances in Medical Practice Grant for the creation of an Army-wide Fluorescence *in situ* Hybridization (FISH) reference laboratory

Publications:

Sushant Patkar, Stephanie Harmon, Isabel Sesterhenn, Rosina Lis, Maria Merino, Denise Young, G. Thomas Brown, Kimberly Greenfield, John D McGeeney, Sally Elsamanoudi, Shyh-Han Tan, Cara Schafer, Jiji Jiang, Gyorgy Petrovics, Albert Dobi, Frank Rentas, Peter A. Pinto, Gregory T. Chesnut, Peter Choyke, Baris Turkbey, **Joel T. Moncur**. A Selective CutMix Approach Improves Generalizability of Deep Learning-based Grading and Risk assessment of Prostate Cancer. *Journal of Pathology Informatics*. In press.

Lagerstrom I, Neelon D, Wendzel N, Lipkowitz S, **Moncur JT**, Uiterwaal S, Wells J. Quality Assurance Model for Breast Cancer Prognostication Utilizing the Modified Magee Equations. *Arch of Pathol Lab Med*. In press.

Moyer A, Loo E, Cadoff E, Konnick E, Duncan H, Halley J, Hermina K, Vasalos P, **Moncur JT**, Yohe S. Laboratory Considerations for Releasing Next-Generation Sequencing Data to Patients. *Arch Pathol Lab Med*. 2024 May 14. doi: 10.5858/arpa.2023-0419-CP. Online ahead of print.

Zehir A, Nardi V, Konnick EQ, Lockwood CM, Long TA, Sidiropoulos N, Souers RJ, Vasalos P, Lindeman NI, **Moncur JT**. SPOT/Dx Pilot Reanalysis and College of American Pathologists Proficiency Testing for *KRAS* and *NRAS* Demonstrate Excellent Laboratory Performance. *Arch Pathol Lab Med*. 2024 Feb 1;148(2):139-148. doi: 10.5858/arpa.2023-0322-CP.

Hagemann IS, Bridge JA, Tafe LJ, Hameed MR, **Moncur JT**, Bellizzi AM, Dolan M, Vasalos P, Kane ME, Souers RJ, Yemelyanova A. Current Laboratory Testing Practices for Assessment of *ERBB2/HER2* in Endometrial Serous Carcinoma and Colorectal Carcinoma. *Arch Pathol Lab Med*. 2023 Oct 1;147(10):1148-1157. doi: 10.5858/arpa.2022-0229-CP.

Hagemann IS, Zehir A, Suarez CJ, Furtado LV, Halley J, Kane M, Mot N, Vasalos P, **Moncur JT**, Konnick EQ. In Silico Approaches to Proficiency Testing: Considerations for Continued Feasibility. *J Mol Diagn*. 2023 Aug;25(8):533-535. doi: 10.1016/j.jmoldx.2023.04.002. Epub 2023 Apr 23.

Bridge JA, Halling KC, **Moncur JT**, Souers RJ, Hameed MR, Fernandes H, Roy A, Surrey L, Tafe LJ, Vasalos P, Lopez-Terrada DH. RNA Sequencing for Solid Tumor Fusion Gene Detection: Proficiency Testing Practice and Performance Comparison. *Arch Pathol Lab Med*. 2023 Aug 3. doi: 10.5858/arpa.2023-0047-CP. Online ahead of print.

Devereaux KA, Souers RJ, Merker JD, Lindeman NI, Graham RP, Hameed MR, Vasalos P, **Moncur JT**, Lockwood CM, Xian RR. Clinical Testing for Tumor Cell-Free DNA. *Arch Pathol Lab Med*. 2023 Apr 1;147(4):425-433. doi: 10.5858/arpa.2021-0585-CP.

Bytnar JA, Lin J, **Moncur JT**, Shriver CD, Zhu K. Cancers of Unknown Primary: A Descriptive

Study in the U.S. Military Health System. *Mil Med.* 2023 Mar 20;188(3-4):e516-e523. doi: 10.1093/milmed/usab291.

Bytnar JA, Lin J, **Moncur JT**, Shriver CD, Zhu K. Cancers of unknown primary: Survival by histologic type, demographic features, and treatment in the U.S. Military Health System. *Cancer Epidemiol.* 2023 Feb;82:102316.

Mary K. Klassen-Fischer, MD, Ann M. Nelson, MD, Ronald C. Neafie, MS, Fides A. Neafie, MD, Aaron Auerbach, MD, MPH, Thomas P. Baker, MD, Allen P. Burke, MD, Anandita A. Datta, MD, Teri J. Franks, MD, Iren Horkayne-Szakaly, MD, Ernest E. Lack, MD, Michael R. Lewin-Smith, MD, Alejandro Luina Contreras, MD, Rubina H. Mattu, MD, Walter L. Rush, MD, Paul C. Shick, DDS, Yang Zhang, MD, Francisco J. Rentas, PhD, and **Joel T. Moncur, MD, PhD**. The Reemergence of Measles. What Every Pathologist Needs to Know. *Am J Clin Pathol.* 2023 Jan 4;159(1):81-88. doi: 10.1093/ajcp/aqac124.

Lee MH, Perl DP, Steiner J, Pasternack N, Li W, Maric D, Safavi F, Horkayne-Szakaly I, Jones R, Stram MN, **Moncur JT**, Hefti M, Folkerth RD, Nath A. Reply: The spectrum of complement pathway activation is integral to the pathogenesis of severe COVID-19. *Brain.* 2022 Nov 21;145(11):e118. doi: 10.1093/brain/awac353.

Lee MH, Perl DP, Steiner J, Pasternack N, Li W, Maric D, Safavi F, Horkayne-Szakaly I, Jones R, Stram MN, **Moncur JT**, Hefti M, Folkerth RD, Nath A. Neurovascular injury with complement activation and inflammation in COVID-19. *Brain.* 2022 Jul 29;145(7):2555-2568.

Ramkissoon SH, Fernandes H, Lopez-Terrada DH, Hameed MR, Trembath DG, Bridge JA, Lindeman NI, Souers RJ, Vasalos P, Brat DJ, **Moncur JT**. Clinical Laboratory Testing Practices in Diffuse Gliomas Prior to Publication of 2021 World Health Organization Classification of Central Nervous System Tumors. *Arch Pathol Lab Med.* 2022 May 1;147(5):518-524. doi: 10.5858/arpa.2021-0431-CP.

Sidiropoulos N, Daley SK, Briggs M, Fernandes H, Lockwood CM, Mahmoud AZ, Merker JD, Vasalos P, Wielgos LM, **Moncur JT**, Farkas DH. Most Frequently Cited Accreditation Inspection Deficiencies for Clinical Molecular Oncology Testing Laboratories and Opportunities for Improvement. *Arch Pathol Lab Med.* 2022 May 1;147(5):518-524. doi: 10.5858/arpa.2021-0431-CP.

Devereaux KA, Souers RJ, Graham RP, Portier BP, Surrey LF, Yemelyanova A, Vasalos P, Trembath DG, **Moncur JT**. Neoplastic Cellularity Assessment in Molecular Testing. *Arch Pathol Lab Med.* 2022 Sep 1;146(9):1062-1071.

Bruehl FK, Kim AS, Li MM, Lindeman NI, **Moncur JT**, Souers RJ, Vasalos P, Voelkerding KV, Xian RR, Surrey LF. Tiered Somatic Variant Classification Adoption Has Increased Worldwide With Some Practice Differences Based on Location and Institutional Setting. *Arch Pathol Lab Med.* 2022 Jul 1;146(7):822-832.

Nardi V, Tsuchiya KD, Kim AS, Bean LJH, Szelenger S, Vasalos P, Thorson JA, Moyer AM, **Moncur JT**. Next-Generation Sequencing Somatic and Germline Assay Troubleshooting Guide Derived from Proficiency Testing Data. *Archives of Pathol and Lab Med.* 2022 Apr 1;146(4):451-461. doi: 10.5858/arpa.2020-0842-CP.

Myoung-Hwa Lee, Daniel P Perl, Govind Nair, Wenxue Li, Dragan Maric, Helen Murray, Stephen J Dodd, Alan P Koretsky, Jason A Watts, Vivian Cheung, Eliezer Masliah, Iren Horkayne-Szakaly, Robert Jones, Michelle N Stram, **Joel Moncur**, Marco Hefti, Rebecca D Folkerth, Avindra Nath.

Microvascular Injury in the Brains of Patients with Covid-19. *N Engl J Med*. 2021 Feb 4;384(5):481-483. doi: 10.1056/NEJMc2033369. Epub 2020 Dec 30.

Long, J; **Moncur J**. Adenosquamous Carcinoma of the Prostate: A Unique Presentation of a Rare Entity and Review of the Literature. *AJSP: Reviews & Reports*. 2020 May/June; 25(3):123–126.

Keegan, A, Bridge JA, Lindeman NI, Long TA, Merker JD, **Moncur JT**, Montgomery ND, Nagarajan R, Rothbert PG, Routbort MJ, Vasalos P, Xian R, Kim AS. Proficiency testing of standardized samples shows high inter-laboratory agreement for clinical next generation sequencing-based hematologic malignancy assays with survey material-specific differences in variant frequencies. *Arch Pathol Lab Med*. 2020 Jan 27.

Keung ES, Souers RJ, Bridge JA, Faquin WC, Graham RP, Hameed MR, Lewis JS Jr, Merker JD, Vasalos P, **Moncur JT**. Comparative Performance of High-Risk Human Papillomavirus RNA and DNA *In Situ* Hybridization on College of American Pathologists Proficiency Tests. *Arch Pathol Lab Med*. 2020 Mar;144(3):344-349.

Moncur JT, Bartley AN, Bridge JA, Kamel-Reid S, Lazar AJ, Lindeman NI, Long TA, Merker JD, Rai AJ, Rimm DL, Rothberg PG, Vasalos P, Kim AS. Performance Comparison of Different Analytic Methods in Proficiency Testing for Mutations in the *BRAF*, *EGFR*, and *KRAS* Genes: A Study of the College of American Pathologists Molecular Oncology Committee. *Arch Pathol Lab Med*. 2019 Oct;143(10):1203-1211.

Surrey LF, Oakley FD, Merker JD, Long TA, Vasalos P, **Moncur JT**, Kim AS. Next-Generation Sequencing (NGS) Methods Show Superior or Equivalent Performance to Non-NGS Methods on *BRAF*, *EGFR*, and *KRAS* Proficiency Testing Samples. *Arch Pathol Lab Med*. 2019 Aug;143(8):980-984.

Lee JSH, Darcy KM, Hu H, Casablanca Y, Dalgard CL, Freymann JB, Hanlon SE, Huang GD, Kvecher L, Maxwell GL, Meng F, **Moncur JT**, Turner C, Wells JM, Wilkerson MD, Zhu K, Ramoni RB, Shriver CD. From Discovery to Practice and Survivorship: Building a National Real-World Data Learning Healthcare Framework for Military and Veteran Cancer Patients. *Clin Pharmacol Ther*. 2019 Jul;106(1):52-57.

Merker JD, Devereaux K, Iafrate AJ, Kamel-Reid S, Kim AS, **Moncur JT**, Montgomery SB, Nagarajan R, Portier BP, Routbort MJ, Smail C, Surrey LF, Vasalos P, Lazar AJ, Lindeman NI. Proficiency Testing of Standardized Samples Shows Very High Interlaboratory Agreement for Clinical Next-Generation Sequencing-Based Oncology Assays. *Arch Pathol Lab Med*. 2019 Apr;143(4):463-471.

Cullen J, Alagarsamy S, Chen Y, Degon M, Dobi A, Farrell J, Kiebish M, Kuo C, **Moncur J**, Narain N, Petrovics G, Rosner I, Sesterhenn I, Srivastava S, Young G, McLeod D. Predicting Prostate Cancer Progression as a Function of ERG Status, Race & obesity in a Longitudinal Patient Cohort. *European Urology Focus*. 2018 Dec;4(6):818-824. doi: 10.1016/j.euf.2017.02.016. Epub 2017 Mar 11.

Geiersbach KB, Bridge JA, Dolan M, Jennings LJ, Persons DL, Souers RJ, Tsuchiya KD, Vasalos PH, **Moncur, JT**. Comparative Performance of Breast Cancer Human Epidermal Growth Factor Receptor 2 Fluorescence *in situ* Hybridization and Brightfield *in situ* Hybridization on College of American Pathologists Proficiency Tests. *Arch Pathol Lab Med*. 2018 Oct;142(10):1254-1259.

Kim AS, Bartley AN, Bridge JA, Kamel-Reid S, Lazar A, Lindeman NI, Long TA, Merker JD, Rai AJ,

- Rimm DL, Rothberg RG, Vasalos P, **Moncur JT**. Comparison of Laboratory-Developed Tests and FDA-Approved Assays for *BRAF*, *EGFR*, *KRAS* Testing. *JAMA Oncology*. 2018 Jun 1;4(6):838-841.
- Lewis JS, Beadle B, Bishop J, Chernock RD, Colasacco C, Lacchetti C, **Moncur JT**, Rocco JW, Schwartz MR, Seethala RR, Thomas NE, Westra WH, Faquin WC. Human Papillomavirus Testing in Head and Neck Carcinomas Guideline from the College of American Pathologists. *Arch Pathol Lab Med*. 2018 May;142(5):559-597.
- Nagarajan R, Bartley AN, Bridge JA, Jennings LJ, Kamel-Reid S, Kim A, Lazar AJ, Lindeman NI, **Moncur J**, Rai AJ, Routbort MJ, Vasalos P, Merker JD. A Window Into Clinical Next-Generation Sequencing-Based Oncology Testing Practices. *Archives of Pathology and Laboratory Medicine*. 2017 Dec;141(12):1679-1685.
- Cullen J, Rosner IL, Brand TC, Zhang N, Tsiatis AC, **Moncur J**, Ali A, Chen Y, Knezevic D, Maddala T, Lawrence HJ, Febbo PG, Srivastava S, Sesterhenn IA, McLeod DG. A Biopsy-based 17-gene Genomic Prostate Score Predicts Recurrence After Radical Prostatectomy and Adverse Surgical Pathology in a Racially Diverse Population of Men with Clinically Low- and Intermediate-risk Prostate Cancer. *Eur Urol*. 2014 Nov 29.
- Summers TA, **Moncur JT**. The small cell variant of anaplastic large cell lymphoma. *Arch Pathol Lab Med*. 2010 Nov;134(11):1706-10.
- Hartman KR, **Moncur JT**, Minniti CP, Creamer KM. Mediastinal Kaposiform hemangioendothelioma and Kasabach-Merritt phenomenon in an infant: treatment with interferon. *J Pediatr Hematol Oncol*. 2009 Sep;31(9):690-2.
- Whitman EJ, Brassell SA, Rosner IL, **Moncur JT**. Merkel cell carcinoma as a solitary metastasis to the testis. *J Clin Oncol*. 2007 Aug 20;25(24):3785-6.
- Dinauer PA, Brixey CJ, **Moncur JT**, Fanburg-Smith JC, Murphey MD. Pathologic and MR imaging features of benign fibrous soft-tissue tumors in adults. *Radiographics*. 2007 Jan-Feb;27(1):173-87.
- Kinlaw WB, Quinn JL, Wells WA, Roser-Jones C, **Moncur JT**. Minireview: Spot 14: A marker of aggressive breast cancer and a potential therapeutic target. *Endocrinology*. 2006 Jun 29.
- Ibrahim R, Frederickson H, Parr A, Ward Y, **Moncur J**, Khleif SN. Expression of FasL in squamous cell carcinomas of the cervix and cervical intraepithelial neoplasia and its role in tumor escape mechanism. *Cancer*. 2006 Mar 1;106(5):1065-77.
- Martel PM, Bingham CM, McGraw CJ, Baker CL, Morganelli PM, Meng ML, Armstrong JM, **Moncur JT**, Kinlaw WB. S14 protein in breast cancer cells: Direct evidence of regulation by SREBP-1c, superinduction with progestin, and effects on cell growth. *Exp Cell Res*. 2005 Nov 18.
- Ibrahim R, Fredrickson H, Parr A, Ward, **Moncur J**, Khleif S The Expression of FasL in Squamous Cell Carcinomas of the Cervix and Cervical Intraepithelial Neoplasia and its Role in Tumor Escape Mechanism. *Cancer*. 2006 Mar 1;106(5):1065-77
- Moncur JT**, Lacy BE, Longnecker DS. Mixed acinar-endocrine carcinoma arising in the ampulla of Vater. *Human Pathology* 2002 Apr; 33(4):449-51.
- Cunningham BA, **Moncur JT**, Huntington JT, Kinlaw WB. "Spot 14" protein: a metabolic integrator

in normal and neoplastic cells. *Thyroid*. 1998 Sep;8(9):815-25.

Moncur JT, Park JS, Memoli VA, Mohandas TK, Kinlaw WB. The "Spot 14" gene resides on the telomeric end of the 11q13 amplicon and is expressed in lipogenic breast cancers: Implications for control of tumor metabolism. *Proc Natl Acad Sci U S A*. 1998 Jun 9;95(12):6989-94.

Moncur JT, Park JS, Mohandas TK, Kinlaw WB. Assignment of the Human Spot 14 Gene (THRSP) to Chromosome 11q13.5. *Cytogenet Cell Genet*. 1997;78(2):131-2.

Moncur JT, Rosen JM, Limonadi FM, Zhu, S. Medical Electronic Link: Providing Telemedicine on the World Wide Web. *Stud Health Technol Inform*. 1997;39:328-33.

Moncur J, Odonnell JF. A Christmas Letter. *J Cancer Educ*. 1995 Winter;10(4):229-30.

Abstracts

Sushant Patkar, Stephanie Harmon, Isabel Sesterhenn, Rosina Lis, Maria Merino, Denise Young, G. Thomas Brown, Kimberly Greenfield, John D McGeeney, Sally Elsamanoudi, Shyh Han Tan, Jiji Jiang, Gyorgy Petrovics, Albert Dobi, Frank Rentas, Peter A Pinto, Gregory Chesnut, Peter Choyke, Baris Turkbey, **Joel T Moncur**. Development and Clinical Outcome Evaluation of Cascaded AI algorithm for Cancer Detection and Grading in Prostate Cancer. Military Health System Research Symposium. August 2023.

Francisco Rentas, Itsara Ounnarath, Herbert Clayburn, Anula Bhusry, Christina Young, Lorrie Bovain, John Fetsch, Dan Butler, Abanti Bhattacharyya, **Joel T Moncur**. Tissue Repository Modernization and Digital Transformation at the Joint Pathology Center: Accomplishments and Current Status. Military Health System Research Symposium. August 2023.

Stephanie Harmon, Sushant Patkar, Rosina Lis, Jesse McKenney, Maria Merino, Denise Young, G. Tom Brown, Kimberly Greenfield, John D McGeeney, Sally Elsamanoudi, Shyh-Han Tan, Gyorgy Petrovics, Albert Dobi, Frank Rentas, Gregory Chestnut, Peter Choyke, Baris Turkbey, Isabel Sesterhenn, **Joel Moncur**. Development and Clinical Outcome Evaluation of Cascaded AI algorithm for Cancer Detection and Grading in Prostate Cancer. United States and Canadian Association of Pathology Annual Meeting. Mar 2023.

Daniel Neelon, MD; Michael Goold, MD; Sean Baraniak, MD; **Joel Moncur**, MD, PhD. Prostatic Basal Cell Carcinoma ("PBCC") with ATM Deletion. College of American Pathologists Annual Meeting. Sep 2021.

Ivonne Arena, Neris Nieves-Robbins, Altay Otun, Steven French, Roderick Jeter, Scarlett Swerdlow, Abby Bhattacharya, Dan Butler, Frank Rentas, **Joel Moncur**. Slide digitization at the Joint Pathology Center: A path forward for artificial intelligence approaches in military medicine. Military Health System Research Symposium. Aug 2021.

Julie A. Bytnar, Jie Lin, **Joel T. Moncur**, Craig D. Shriver and Kangmin Zhu. Cancers of unknown primary: A descriptive study in the U.S. military health system. American Association for Cancer Research Annual Meeting. Jul 2021.

R. Kersey, E. LaDouceur, D. A. Alves, M. Klassen-Fischer, F. Naefie, R. Neafie, A. M. Nelson, **J. T. Moncur**, G. Wang. Design and Optimization of Novel ITS2-28s rRNA Gene Primers for Fungal Species Detection from Formalin-Fixed Paraffin-Embedded Tissues with a Targeted Next-Generation Sequencing Assay. Association for Molecular Pathology Annual Meeting. Nov 2020.

Christina M Lockwood, Rhona J Souers, Patricia Vasalos, Tanja Kalicanin, Kelly Devereaux, Rondell P. Graham, M Hameed, Mark Routbort, Jonathan M Tsai, Jason Derek Merker, Neal Ian Lindeman, **Joel T Moncur**. Performance of cell-free tumor DNA testing for 101 clinical laboratories on College of American Pathologists proficiency tests. American Society of Clinical Oncology Annual Meeting. 2020.

Moncur JT, Baker TB, Brissette MD, Butler DB, Deneke GD, Graygo JM, McGeeney JD, Rentas, FJ, Canield, R. Analysis Of Joint Pathology Center Consultations From 2018 Identifies Centralization of Pathology Consultations at The Joint Pathology Center Permits the Tracking And Trending of Diagnoses and Quality Across the DoD and VA Healthcare Systems. Military Health System Research Symposium. Sept 2019.

Moncur JT, Baker TB, Brissette MD, Butler DB, Deneke GD, Graygo JM, McGeeney JD, Rentas, FJ, Canield, R. Analysis Of Joint Pathology Center Consultations From 2018 Identifies The Most Common Diagnostic Challenges Across DoD and VA Healthcare. Military Health System Research Symposium. Sept 2019

Albert Dobi, Gyorgy Petrovics, Shyh-Han Tan, Hua Li, Denise Young, Cara Schafer, Jesse Fox, Kevin Babcock, Heng-Cheng Hu, Gauthaman Sukumar, Yingjie Song, Lakshmi Ravindranath, Yongmei Chen, Joseph Cheng, Reinhard Ebner, Qingyu Xiao, Yidi Sun, Yixue Li, Yuan Ji, Jun Hou, Wendy Wang, Guo-Ping Zhao, Jacob Kagan, Sudhir Srivastava, **Joel T. Moncur**, Clifton L. Dalgard, Matthew Wilkerson, Inger L. Rosner, Jennifer Cullen, Matthew Freedman, Zoltan Szallasi, Isabell A. Sesterhenn, Shiv Srivastava. Racial/ethnic differences in prostate cancer genomic alterations [abstract]. In: Proceedings of the American Association for Cancer Research Annual Meeting 2018; 2018 Apr 14-18; Chicago, IL. Philadelphia (PA): AACR; Cancer Res 2018;78(13 Suppl): Abstract nr 5352.

Yaling Zhou, Sorana Raiciulescu, Viqar Syed, Patrick Malafronte, Justin Wells, Mica Grantham, Michael Allgaeuer, Heping Gong, **Joel Moncur**, Deyin Xing and John D. Andersen. A cell-line based TP53 expression pattern control panel with interobserver variability and next-generation sequencing analysis. Cancer Research. July 2017.

Daniel H Russell MD, David Tacha PhD, Albert Dobi PhD, Isabell A Sesterhenn, David McLeod MD, Shiv Srivastava and **Joel T Moncur**. Clinical follow-up of 101 patients with isolated HGPIN immunostained for ERG. United States and Canadian Academy of Pathology Annual Meeting 2012.

George Leighton Lee, Daniel Russell, Patrick M. Parker, Bungo Furusato, Denise Y. Young, Jennifer Cullen, Taduru Sreenath, Albert Dobi, David G. McLeod, Shiv Srivastava, Isabell A. Sesterhenn, **Joel T. Moncur**. Improved detection of prostate cancer by the combined application of ERG and AMACR immunohistochemical stainings in prostate biopsy specimens. United States and Canadian Academy of Pathology Annual Meeting 2011.

Jisoo Park, MD, Evan Williamson, MD, **Joel Moncur MD, PhD**. CD117 (c-kit) and mast cell tryptase are equivalent for enumerating mast cells in “mastocytic enterocolitis”. American Society of Clinical Pathology Annual Meeting 2010.

Steve Cordero, MD, Stephen Brassell, MD, **Joel Moncur, MD, PhD**. Non-invasive papillary urothelial carcinoma, high grade, with diffuse infection by HSV2. College of American Pathologists 2010 Annual Meeting (CAP '10).

Luigi K. Rao, MD, **Joel T Moncur, MD, PhD**. Cutaneous Manifestations in a Patient with Juvenile Polyposis Syndrome: A Case Report and Review of the Literature.
College of American Pathologists 2009 Annual Meeting (CAP '09).

James P. Woodrow, MD, Stuart Roop, MD, Charles Mulligan, MD, **Joel Moncur, MD, PhD**. Previously Treated Papillary Thyroid Carcinoma Presenting with isolated Pleural Metastases. Chest Meeting, 2008

Amer Skopic, DO, **Joel Moncur, MD, PhD**, Jonathan Koff, MD. A Rare Cause of Nausea, Vomiting and Diarrhea: Eosinophilic Gastroenteritis. American College of Gastroenterology. 2007

Eric Richter, **Joel Moncur**, Isabel Sesterhenn, David G McLeod. Does Submission of Prostate Biopsies in a Site-Specific Manner. Does Submission of Prostate Biopsies in A Site Specific Manner As Compared To Submitting Labeled Grouped By Side Only Affect Margin Rates At Radical Prostatectomy, Mid-Atlantic American Urologic Association. 2006

Book Chapters

Joel T Moncur, Joseph M Rosen, Shunhui Zhu, PhD, Farhad, Limonadi. Medical Electronic Link (MEL): Providing Telemedicine on the World Wide Web. Medicine meets virtual reality: global healthcare grid . IOS Press, 1997.

Upcoming and Recent Presentations

Digital Pathology in the Department of Defense. VA Telepathology Symposium. April 10, 2024.

Insourcing Molecular Oncology Testing at The Joint Pathology Center. Military Health System Conference. April 9, 2024.

Can CAP proficiency testing data be used to compare performance of laboratory developed tests and FDA-approved assays? Virtual lightning talk for MyCAP App. Recorded February 1, 2024.

How should laboratories ensure neoplastic cell content of specimens for molecular analysis? Virtual lightning talk for MyCAP App. Recorded February 1, 2024

CAP Reanalysis of SPOT/Dx data Underscore the Strength of CAP's Molecular Proficiency Testing Programs. CAP Council on Scientific Affairs, December 2, 2023.

Ensuring Accurate Patient Results: New Evidence Underscores the Strength of CAP's Molecular Proficiency Testing Programs. CAP23 Annual Meeting. October 7, 2023.

The Joint Pathology Center Molecular Oncology Laboratory's Data Storage & Retrieval. Precision Care Advisory Panel. October 25, 2023.

Comparative Multi-Omic Analysis of Testicular Germ Cell Tumors in African Americans and Caucasians. APOLLO (Applied Proteogenomics and Organizational Learning in Oncology) Retreat. Sep 28, 2023.

Go Army Beat Navy meets Go Navy Beat Army: Experiences from the merger of pathology in the Military Health System. Grand Rounds at Mass General Brigham. December 15, 2022.

Using Proficiency Testing Data to Improve Performance of your Molecular Laboratory: Perspectives from Members of the College of American Pathologists Molecular Oncology Committee. Association for Molecular Pathology Annual Meeting. November 4, 2022.

Overview of the Joint Pathology Center and its Digital Transformation. American College of Radiologic Pathology Resident Four-Week Course. Silvers Spring, MD September 19, 2022.

SNP! BAM! NEO! Using Proficiency Testing Data to Unlock Your Molecular Lab's Superpowers: An interactive session with the College of American Pathologists Molecular Oncology Committee. 2022 AACC Annual Scientific Meeting & Clinical Lab Expo. July 25, 2022.

Digitizing the Nation's Oldest Tissue Repository. Digital Pathology Today podcast. February 10, 2022. <https://www.digitalpathologytoday.com/episodes/s2e18>

AI in Prostate Cancer - Detection & Prediction of Clinical Outcomes. AMSUS Annual Meeting. Currently scheduled for February 7-10, 2022.

How Do You Digitize the World's Largest Pathology Repository? One Slide at a Time. Artificial Intelligence in Oncology Meeting, Case Western Reserve. November 9, 2021.

Building a digital pathology repository to support AI: Lessons learned from joint efforts by the Joint Pathology Center & Johns Hopkins University. Joint presentation with Mark Zarella, PhD; Johns Hopkins University. Pathology Visions. October 18, 2021.

Comparative Multi-Omic Analysis of Testicular Germ Cell Tumors in African Americans and Caucasians. APOLLO (Applied Proteogenomics and Organizational Learning in Oncology) Retreat. September 17, 2021.

Post-Lecture Rapid Fire Genitourinary Pathology Unknowns. Walter Reed Pathology Resident Educational Conference. May 20, 2021.

Interpreting Testicular Biopsies for Infertility. Walter Reed Pathology Resident Educational Conference. May 18, 2021.

Testicular Germ Cell Tumors. Walter Reed Pathology Resident Educational Conference. May 17, 2021.

Diagnosing Prostatic Adenocarcinoma on Core Needle Biopsies. Walter Reed Pathology Resident Educational Conference. May 11 and 13, 2021.

Adult Renal Tumors. Walter Reed Pathology Resident Educational Conference. May 10, 2021.

Rapid Figure Urothelial Tract Unknowns. Walter Reed Pathology Resident Educational Conference. May 7, 2021.

Pathology of the Urothelial Tract. Walter Reed Pathology Resident Educational Conference. May 4 and 6, 2021.

Rapid Fire Genitourinary Pathology Unknowns. Walter Reed Pathology Resident Educational Conference. May 3, 2021.

Military programs aiming to end pandemics forever. Appearance on 60 Minutes, CBS News April 11, 2021.

A Brief Overview of the Joint Pathology Center Examples of Research Using the Joint Pathology Center Repository. Joint Pathology Center Symposium. April 8, 2021.

The history of The AFIP: A legacy of excellence that continues at The Joint Pathology. History of Pathology Society Companion Meeting, United States and Canadian Association of Pathology Annual Meeting, March 18, 2021.

55M Human Tissue Samples + AI = Better Medicine. SXSW Conference & Festival, March 16, 2021.
<https://www.youtube.com/watch?v=LIE-E1hAbug>

The Joint Pathology Center's Digital Transformation: Challenges with Digitization and Utilization of Big Data. Artificial Intelligence Partner for Defense, hosted by The Joint Artificial Intelligence Center. January 26, 2021.

An Overview of The Joint Pathology Center's Digital Transformation. Applied Proteogenomics and Organizational Learning in Oncology Digital Pathology Working Group. January 8, 2021.

Informational Brief: The Joint Pathology Center's Digital Transformation. Digital Pathology and Informatics Committee, College of American Pathologists. October 21, 2020.