***Curriculum Vitae***

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| **Date Prepared:** | **3/18/2024** |
| **Name:** | **Shuang Niu** |
| **Office Address:** | **Parkland Hospital # 02-619** |
| **Work Phone:** | **(469) 419-1535** |
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**Education**

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| --- | --- | --- | --- |
| Year | Degree  (Honors) | Field of Study  (Thesis advisor for PhDs) | Institution |
| 1994–1999 | MD | Clinical Medicine | Norman Bethune University of Medical Sciences |
| 1999–2002 | Master | Biochemistry and Molecular Biology | Jilin University |
| 2003–2009 | PhD | Biology  Carla Green, PhD | University of Virginia |

**Postdoctoral Training** [*Include residency/fellowship*]

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| --- | --- | --- | --- |
| Year(s) | Titles | Specialty/Discipline  (Lab PI for postdoc fellows) | Institution |
| 2009–2011 | Research fellow | Pediatric Oncology  Alejandro Sweet-Cordero, MD | Stanford University |
| 2013–2017 | Residency | Anatomic and Clinical Pathology | University of Texas Southwestern Medical Center |
| 2017–2018 | Clinical Fellow | Cytopathology | University of Texas Southwestern Medical Center |
| 2018–2019 | Clinical Fellow | Gynecologic Pathology | University of Texas Southwestern Medical Center |

**Professional Development Training**

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| --- | --- | --- |
| Year(s) | Course or Program, Degree if any | Institution |
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**Faculty Academic Appointments**

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| --- | --- | --- | --- |
| Year(s) | Academic Title | Department | Academic Institution |
| 2019–present | Assistant Professor | Pathology | University of Texas Southwestern Medical Center |

**Appointments at Hospitals/Affiliated Institutions**

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| --- | --- | --- | --- | --- |
| Past | | | | |
| Year(s) | Position Title | Department/Division | | Institution |
|  |  |  | |  |
|  |  |  | |  |
| Current | | | | |
| Year(s) | Position Title | | Department/Division | Institution |
| 2019–present | Staff Pathologist  Assistant professor | | Pathology | University of Texas Southwestern Medical Center |
| 2019–present | Staff Pathologist  Assistant professor | | Pathology | Parkland Health & Hospital System |

**Other Professional Positions** [*Industry, foundation, private practice*]

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| --- | --- | --- |
| Year(s) | Position Title | Institution |
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**Current Licensure and Certification**

Licensure [*Do not include license number*]

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| --- | --- |
| Year(s) | State |
| 2019-present | Texas |
|  |  |

**Board and Other Certification**

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| --- | --- | --- |
| Year(s) | Specialty | Certifying Organization |
| 2017 | AP/CP | American Board of Pathology |
| 2018 | Cytopathology | American Board of Pathology |

**Honors and Awards**

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| --- | --- | --- | --- |
| Year | Name of Honor/Award | | Awarding Organization |
| 2009 | Andrew Fleming Prize for Outstanding Doctoral Thesis | Department of Biology at University of Virginia. | |
| 2010 | Pediatric Research Fund Grant | Lucile Packard Children’s Hospital at Stanford University School of Medicine | |
| 2011 | Ruth L. Kirschstein National Research Service Award | NIH through Cancer Biology Program at Stanford University School of Medicine | |
| 2019 | Janet Caldwell Fellow Research Award | Department of Pathology at University of Texas Southwestern Medical Center | |
| 2019 | Pathology Department Intramural Research Grant | Department of Pathology at University of Texas Southwestern Medical Center | |
| 2022 | Pathology Department Intramural Research Grant | Department of Pathology at University of Texas Southwestern Medical Center | |
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**Major Administrative/Leadership Positions**

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| --- | --- | --- |
| Year(s) | Position Title | Institution |
| 2020–2022 | Cytopathology Fellowship Assistant Director | University of Texas Southwestern Medical Center |
| 2022-present | Cytopathology Fellowship Director | University of Texas Southwestern Medical Center |

**Committee Service (***Member, unless noted otherwise)*

|  |  |  |
| --- | --- | --- |
| Year(s) | Name of Committee | Institution/Organization |
| University/Department | | |
| 2021-2023 | Diversity Equity and Inclusion Committee | Department of Pathology |
| 2023-present | Belonging, Accessibility and Engagement Committee | Department of Pathology |
| Hospital | | |
|  |  |  |
|  |  |  |
| State/Regional | | |
| 2022-2023 | Communication Committee | Cancer Alliance of Texas, Texas Health and Human Services |
| 2022-present | Cervical Cancer Screening Subgroup | Cancer Alliance of Texas, Texas Health and Human Services |
| National/International | | |
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**Professional Societies**

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| --- | --- |
| Dates | Society Name, member |
| 2019-present | American Society of Cytopathology (ASC) |
| 2019-present | United States and Canadian Academy of Pathology (USCAP) |
| 2019-present | International Society of Gynecological Pathologists (ISGyP) |
|  | Committees |
|  |  |
|  | Fellowships |
|  |  |

**Community Engagement**

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| --- | --- | --- |
| Year(s) | Role, brief description | Organization or institution |
| 2022-present | Cervical Cancer Screening Subgroup | Cancer Alliance of Texas, Texas Health and Human Services |
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**Educational Activities**

1. Direct Teaching

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| --- | --- | --- | --- | --- | --- |
| Date | Course Name, Rotation or Session Topic | Role | Number of Instruction hours | Primary Learner Audience (number) | Department or Organization |
| Medical and Graduate School (UME) Course Instruction, Small Group Instruction, Clinical Supervision | | | | | |
| 2019-present | Small group | Facilitator | 4-6hrs/yr | Medical Students (20-25/yr) | UTSW Dept of Pathology |
|  |  |  |  |  |  |
| Graduate Medical Education (GME) Course Instruction, Small Group Instruction, Clinical Supervision | | | | | |
| 2019-present | Cytopathology didactic lectures | Instructor | 2-4hrs/yr | Pathology residents (28-32/yr) | UTSW Dept of Pathology |
| 7/2023 | Cytopathology bootcamp | Co-instructor | 4hrs/yr | Pathology residents (5-10/yr) | UTSW Dept of Pathology |
| 2019-present | Gynecological Pathology didactic lectures | Instructor | 2-4hrs/yr | GynOnc fellows (28-32/yr) | UTSW Dept of Gynecological Medicine |
| 7/2019-present | Cytopathology | Attending | ~17 wks/yr | Pathology residents (10-20/yr) | UTSW Dept of Pathology |
| 7/2019-present | Gyn pathology | Attending | ~17 wks/yr | Pathology residents (10-20/yr) | UTSW Dept of Pathology |
|  |  |  |  |  |  |
| Instructor in Continuing Medical Education (CME), Faculty Development, National Educational Symposia | | | | | |
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2. Curriculum Development

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| --- | --- | --- | --- | --- | --- |
| Date | Course Name or Curriculum Product | Role | Purpose | Primary Learner Audience | Organization or Institution |
| 7/2023 | Cytopathology bootcamp | Co-developer | Improve training in cytology techniques | Pathology residents | UTSW Dept of Pathology |
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3. Mentoring and Advising

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| --- | --- | --- | --- | --- |
| Date | Mentee Name | Mentee Level/ Program and Institution | Role | Mentee Outcomes, Current Position |
| 7/2022-6/2023 | Yan Li | Fellow, cytopathology | Program Director, research advisor | Graduated |
| 7/2023-present | Harrison Martin | Fellow, cytopathology | Program Director, research advisor | In training, meeting all requirements |

4. Learner Assessment Activities or Tool Development

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| --- | --- | --- | --- | --- | --- |
| Date | Course Name or Session Topic | Role | Number of Evaluation Hours | Primary Learner Audience | Organization or Institution |
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5. Educational Administration and Leadership

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| --- | --- | --- | --- | --- | --- |
| Date | Title | Responsibilities | Time (FTE or hours) | Organization and Program Scope | Outcomes |
| 2022-present | Program director | Leadership for cytopathology fellowship | 7 FTE | UTSW Dept Pathology, cytopathology fellowship (1-2 fellows/yr) | 100% board passing rate and graduation rate. |
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**Grant Review Activities**

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| --- | --- | --- |
| Year(s) | Name of Review Committee | Organization |
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**Editorial Activities**

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| --- | --- |
| Year(s) | Journal Name |
| Editor/Associate Editor | |
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| Editorial Board | |
| 2022-present | Human Pathology Reports |
|  |  |
| Ad Hoc Reviewer | |
|  | Gynecologic Oncology |
|  | Nature-Women’s Health |
|  | Human Pathology Reports |
|  | International Journal of Surgical Pathology |
|  | International Journal of Women’s Health |
|  | Translational Cancer Research |
|  | European Journal of Gynecologic Pathology |
|  | Genes |
|  | Journal of Clinical Medicine |
|  | Journal of Inflammatory Research |
|  | MDPI-Reports |
|  | Pathology |
|  | Surgical and Experimental Pathology |
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**Grant Support** [*Include Educational Grants*]

|  |  |
| --- | --- |
| Active | *Grantor:* |
|  | *Title of Project:* |
|  | *Role (Principal Investigator, Co-Investigator):* |
|  | *Annual amount and date (direct costs only):* |
|  | *Total amount of award (if multi-year) and dates (direct costs only):* |
|  |  |

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| --- | --- |
| Past | *Grantor: UTSW Department of Pathology* |
|  | *Title of Project:**Cytologic Study of Vaping-Associated Lung Injury* |
|  | *Role: Principal Investigator* |
|  | *Annual amount and date (direct costs only): $12,000 Jan 2020–Dec 2020* |
|  | *Total amount of award (if multi-year) and dates (direct costs only):* |
|  |  |
| Past | *Grantor: UTSW Department of Pathology* |
|  | *Title of Project:**The utility of bio- and morphological markers in accurate diagnosis of endometrial precancers* |
|  | *Role: Principal Investigator* |
|  | *Annual amount and date (direct costs only): $12,000 Jan 2022–Dec 2022* |
|  | *Total amount of award (if multi-year) and dates (direct costs only):* |
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**Clinical Trials Activities**

|  |  |
| --- | --- |
| Present | *Grantor:* |
|  | *Title of Project:* |
|  | *Role (Principal Investigator, Site PI, Sub investigator):* |
|  |  |

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| --- | --- |
| Past | *Grantor:* |
|  | *Title of Project:* |
|  | *Role (Principal Investigator, Site PI, Sub investigator):* |
|  |  |

**Invited Lectures**

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| Year(s) | Title | Location |
| International | | |
|  |  |  |
|  |  |  |
| National | | |
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|  |  |  |
| Regional/Local | | |
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**Technological and Other Scientific Innovations** [*Patent, if any, pending or awarded /If described in print/on web, provide citation*]

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**Bibliography**

**Peer-Reviewed Publications** [*List in chronological order with complete pagination. Authors should be listed in the same order as they appear in the published article.*]

Original Research Articles

|  |  |
| --- | --- |
|  | L. Jiang, **S. Niu**, K. L. Clines, D. J. Burke and T. W. Sturgill. “Analyses of the effects of Rck2p mutants on Pbs2p DD-induced toxicity in Saccharomyces Cervisiae identify a MAP kinase docking motif, and unexpected functional inactivation due to acidic substitution of T379”, *Molecular Genetics and Genomics*, 271(2): 208-219, March, 2004. |
|  | H. Zhang, D. J. Webb, H. Asmussen, **S. Niu**, and A. F. Horwitz. “A GIT1/PIX/Rac/PAK signaling module regulates spine morphogenesis and synapse formation through MLC”, *Journal of Neuroscience*, 25(13):3379-3388, March, 2005*.* |
|  | E. Garbarino-Pico, **S. Niu**, M. D. Rollag, C. A. Strayer, J. C. Besharse, and C. B. Green. “Immediate early response of the circadian polyA ribonuclease Nocturnin to two extracellular stimuli”, *RNA*, 13:745-755, March, 2007*.* |
|  | **S. Niu**, D. L. Shingle, E. Garbarino-Pico, S. Kojima, M. Gilbert, C. B. Green. “The circadian deadenylase Nocturnin is necessary for stabilization of the *iNOS* mRNA in mice”, *PLoS ONE*, 6(11), e26954, November 2011. |
|  | B. Tawfik, L. Brown, F. Fuda, W. Chen, **S. Niu**, J Sailors, N. Sadeghi. “Utility and proposed algorithm of CSF flow cytometry in hematologic malignancies”, *Annals of Hematology*, 97(9): 1707-1716, September, 2018. |
|  | **S. Niu**, K. Molberg, J. Thibodeaux, G. Rivera Colon, S. Hinson, W. Zheng, E. Lucas. “Challenges in the Pap Diagnosis of Endocervical Adenocarcinoma in Situ”, *Journal of American Society of Cytopathology*, 8(3): 141-148, May-June, 2019. |
|  | **S. Niu,** L. Li, Y. Peng. “Melanoma of Unknown Primary Origin Metastasizing to the Ovary and Breast: Case Report and Review of Literature” *Journal of Modern Human Pathology*, January 2019 |
|  | G. Rivera-Colon, H. Chen, **S. Niu**, E. Lucas, S. Holloway, K. Carrick, K. Gwin, J. Lea, W. Zheng. [Cervical Adenocarcinoma: Histopathologic Features From Biopsies to Predict Tumor Behavior.](https://www.ncbi.nlm.nih.gov/pubmed/31567190) *Am J Surg Pathol*. 2019 Sep 23. |
|  | Chen H, Molberg K, Strickland AL, Castrillon DH, Carrick K, Jiang Q, **Niu S**, Rivera-Colon G, Gwin K, Hinson S, Lea J, Miller DS, Zheng W, Lucas E. PD-L1 Expression and CD8+ Tumor-infiltrating Lymphocytes in Different Types of Tubo-ovarian Carcinoma and Their Prognostic Value in High-grade Serous Carcinoma. *Am J Surg Pathol*. 2020 Aug;44(8):1050-1060. |
|  | Chen H, Lucas E, Strickland AL, Carrick K, Gwin K, Castrillon DH, Rivera-Colon G, **Niu S**, Molberg KH, Zheng W, Chen H, et al. [Specific Biomarker Expression Patterns in the Diagnosis of Residual and Recurrent Endometrial Precancers After Progestin Treatment: A Longitudinal Study.](https://pubmed.ncbi.nlm.nih.gov/32931681/) *Am J Surg Pathol*. 2020 Oct;44(10):1429-1439. |
|  | Rivera-Colon G, Chen H, Molberg K, **Niu S**, Strickland AL, Castrillon DH, Carrick K, Gwin K, Lea J, Zheng W, Lucas E, Rivera-Colon G, et al. [PD-L1 Expression in Endocervical Adenocarcinoma: Correlation With Patterns of Tumor Invasion, CD8+ Tumor-infiltrating Lymphocytes, and Clinical Outcomes.](https://pubmed.ncbi.nlm.nih.gov/33298732/) *Am J Surg Pathol*. 2020 Dec 8. Online ahead of print. |
|  | **S.** [**Niu**](https://pubmed.ncbi.nlm.nih.gov/?term=Niu+S&cauthor_id=33900686), [G. Rivera Colon](https://pubmed.ncbi.nlm.nih.gov/?term=Colon+GR&cauthor_id=33900686), [K. Molberg](https://pubmed.ncbi.nlm.nih.gov/?term=Molberg+K&cauthor_id=33900686), [H. Chen](https://pubmed.ncbi.nlm.nih.gov/?term=Chen+H&cauthor_id=33900686), [K. Carrick](https://pubmed.ncbi.nlm.nih.gov/?term=Carrick+K&cauthor_id=33900686), [S. Yan](https://pubmed.ncbi.nlm.nih.gov/?term=Yan+S&cauthor_id=33900686), [V. Sarode](https://pubmed.ncbi.nlm.nih.gov/?term=Sarode+V&cauthor_id=33900686), [E. Lucas](https://pubmed.ncbi.nlm.nih.gov/?term=Lucas+E&cauthor_id=33900686) Significance of Oil-Red-O positive macrophages in bronchoalveolar lavage in diagnosing E-cigarettes or vaping product use-associated lung injury: A case series *Diagn Cytopathol*. 2021 July, 49(7): 876-884 PMID: 33900686 |
|  | **Niu S**, Lucas E, Molberg K, Strickland A, Wang Y, Carrick K, Rivera-Colon G, Gwin K, SoRelle JA, Castrillon DH, Zheng W, Chen H. Morules But Not Squamous Differentiation are a Reliable Indicator of CTNNB1 (β-catenin) Mutations in Endometrial Carcinoma and Precancers. *Am J Surg Pathol*. 2022 Oct 1;46(10):1447-1455. doi: 10.1097/PAS.0000000000001934. Epub 2022 Jul 14. PMID: 35834400. |
|  | Chen H, Molberg K, Carrick K, **Niu S**, Rivera Colon G, Gwin K, Lewis C, Zheng W, Castrillon DH, Lucas E. Prevalence and prognostic significance of PD-L1, TIM-3 and B7-H3 expression in endometrial serous carcinoma. *Mod Pathol*. 2022 Dec;35(12):1955-1965. doi: 10.1038/s41379-022-01131-6. Epub 2022 Jul 8. PMID: 35804040. |
|  | Liu Q, Zhang T, Chen L, Zhou X, Zhang X, Zheng W, **Niu S**, Zhou F. Correlation of immediate prevalence of cervical precancers and cancers with HPV genotype and age in women with ASC-US/hrHPV+: a retrospective analysis of 2292 cases. *J Clin Pathol*. 2023 Jan 18:jcp-2022-208580. doi: 10.1136/jcp-2022-208580. Epub ahead of print. PMID: 36653168. |
|  | Zhang T, Zhou X, Zhang X, **Niu S**, Chen H, Zhou F. Discordance of PD-L1 expression in primary and metastatic ovarian high-grade serous carcinoma and its correlation with CD8 + tumor-infiltrating lymphocytes and patient prognosis. *Virchows Arch.* 2023 Apr;482(4):755-766. doi: 10.1007/s00428-023-03512-x. Epub 2023 Feb 21. PMID: 36806916. |
|  | Wang S, Zhou X, **Niu S**, Chen L, Zhang H, Chen H, Zhou F. Assessment of HER2 in Gastric-Type Endocervical Adenocarcinoma and its Prognostic Significance. *Mod Pathol*. 2023 Jun;36(6):100148. doi: 10.1016/j.modpat.2023.100148. Epub 2023 Feb 24. PMID: 36841435. |
|  | Zhang T, Zhu Y, Luo J, Li J, **Niu S**, Chen H, Zhou F. An integrated model for prognosis in vulvar squamous cell carcinoma. *BMC Cancer*. 2023 Jun 12;23(1):534. doi: 10.1186/s12885-023-11039-2. PMID: 37308869; PMCID: PMC10259032. |
|  | Lucas E, **Niu S**, Aguilar M, Molberg K, Carrick K, Rivera-Colon G, Gwin K, Wang Y, Zheng W, Castrillon DH, Chen H. Utility of a PAX2, PTEN, and β-catenin Panel in the Diagnosis of Atypical Hyperplasia/Endometrioid Intraepithelial Neoplasia in Endometrial Polyps. *Am J Surg Pathol*. 2023 Sep 1;47(9):1019-1026. doi: 10.1097/PAS.0000000000002076. Epub 2023 Jun 14. PMID: 37314146. |
|  | Chen L, Zhu K, Chen H, Liu Q, Zhang X, Zhou X, Zhang J, **Niu S**, Zhou F. Correlation of immediate prevalence of cervical squamous cell precancers and cancers with HPV genotype and age in women with LSIL cytology: A retrospective analysis of 1617 cases. *Diagn Cytopatho*l. 2024 Jan;52(1):10-15. doi: 10.1002/dc.25229. Epub 2023 Sep 22. PMID: 37740483. |
|  | Liu Q, Chen L, Yu M, Zhou X, Zhang X, Zheng W, **Niu S**, Zhou F. Prevalence of cervical precancers or cancers in women with ASC-H/HSIL cytology according to Aptima HPV (AHPV) assay-detected HPV genotypes and age. *J Cancer*. 2024 Jan 1;15(1):140-148. doi: 10.7150/jca.89715. PMID: 38164279; PMCID: PMC10751681. |

Reviews, Book Chapters, Monographs and Editorials

|  |  |
| --- | --- |
|  | Chang RJ, Rivera-Colon G, Chen H, **Niu S**, Carrick K, Lucas E, Gwin K, Zheng W. Navigating through perplex morphologic changes after exogenous hormone usage. Semin Diagn Pathol. 2022 May;39(3):148-158. doi: 10.1053/j.semdp.2021.10.001. Epub 2021 Oct 28. PMID: 34782217. |
|  | **Niu S**, Zheng W. Endometrial stromal tumors: Diagnostic updates and challenges. *Semin Diagn Pathol*. 2022 Jan 14:S0740-2570(22)00003-X. doi: 10.1053/j.semdp.2022.01.004. PMID: 35067405. |
|  | **Niu S**. Diagnostic challenges and considerations of low-grade endometrial stromal sarcoma (LGESS) outside the female genital tract. *Transl Cancer Res*. 2022 Oct;11(10):3445-3447. doi: 10.21037/tcr-22-2098. PMID: 36388053; PMCID: PMC9641075. |

Books/Textbooks

|  |  |
| --- | --- |
|  | Gynecologic and Obstetric Pathology, 2nd Edition (In Chinese), Chapter 18 Endometrial carcinoma, carcinosarcoma, and other malignant epithelial tumors of the endometrium |
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Case Reports

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| --- | --- |
|  | **S. Niu,** K.Gwin. *ASCP Checkpath Anatomic Pathology*2014: Quarter 4, Case 3005 (Granular cell tumor of the breast). |
|  | **S. Niu,** K. Gwin.*ASCP Checkpath Anatomic Pathology* 2015: Quarter 1, Case 2394 (Low-grade squamous intraepithelial lesion (LSIL)). |
|  | **S. Niu,** Y. Peng. “Distinct immunophenotypic features of ovarian microcystic stromal tumor”, *Austin Biomarkers & Diagnosis*, 2(1): 1-5, June, 2015. |
|  | **S. Niu,** L. Li, Y. Peng. “Melanoma of Unknown Primary Origin Metastasizing To the Ovary and Breast: Case Report and Review of Literature” Article was submitted to*Journal of Modern Human Pathology*,Volume 4, Issue 1, February 2019, Pages 1–5 |
|  | Rivera G, **Niu S**, Chen H, Fahim D, Peng Y. Rivera G, et al. Collision Tumor of Endometrial Large Cell Neuroendocrine Carcinoma and Low-Grade Endometrial Stromal Sarcoma: A Case Report and Review of the Literature. *Int J Surg Pathol*. 2020 Aug;28(5):569-573. |
|  | Donthi D, Chen H, Peng Y, Niu S. Ovarian Microcystic Stromal Tumor With Intraovarian Recurrence and Peritoneal and Omental Spread: A Case Report With Morphological, Immunohistochemical, and Molecular Analysis. Int J Gynecol Pathol. 2023 Sep 1;42(5):491-495. doi: 10.1097/PGP.0000000000000906. Epub 2022 Aug 9. PMID: 36044304. |
|  | Li Y, Ahn YM, **Niu S**. Primary cardiac angiosarcoma initially diagnosed on pericardial fluid cytology with histology and autopsy correlation. *Diagn Cytopathol*. 2023 Sep;51(9):E263-E266. doi: 10.1002/dc.25173. Epub 2023 May 30. PMID: 37249363. |
|  | Li Y, Chen J, **Niu S**. Endometrioid Adenocarcinoma With "Burrowing" Invasion of the Cervix Represents a Separate Primary From the Concurrent Uterine Corpus Endometrial Endometrioid Adenocarcinoma: Histology, Immunohistochemistry, and Next-generation Sequencing Study of a Single Case. *Int J Gynecol Pathol*. 2023 Sep 22. doi: 10.1097/PGP.0000000000000990. Epub ahead of print. PMID: 37922950. |

Letters to the Editor

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Meeting Summaries or Proceedings

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Clinical Practice Guidelines

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**Non-peer reviewed scientific or medical publications/materials in print or other media (no abstracts)**

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