

**CURRICULUM VITAE
CARMEN MARIA PERRINO, M.D.**

7/1/18

Business Address Rhode Island Hospital, Department of Pathology
593 Eddy Street, APC12
Providence, RI 02903
Email carmen_perrino@brown.edu

EDUCATION

Medical School Ohio State University College of Medicine
Columbus, OH
8/18/2008 – 6/10/2012

Undergraduate Ohio State University
Bachelor of Arts,
Dual Major in Biology and Spanish, Magna Cum Laude
Columbus, OH
9/22/2004 – 6/8/2008

POSTGRADUATE TRAINING

Residency Pathology Resident
Anatomic & Clinical Pathology
Washington University/Barnes-Jewish Hospital
St. Louis, MO
7/1/2012–6/30/2016

Fellowships Genitourinary Pathology
Indiana University Hospital
Indianapolis, IN
7/1/2016 – 6/30/2017

 Cytopathology
Indiana University Hospital
Indianapolis, IN
7/1/2017 – 6/30/2018

POSTGRADUATE HONORS AND AWARDS

9/22/2004–6/8/2008 The Ohio State University Distinguished Merit Scholarship

9/22/2004–6/8/2008 The Ohio State University Prestige Scholarship

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3/1/2014	International Society of Urological Pathology (ISUP) Excellence in Urologic Pathology Resident/Fellow Research Award. San Diego, CA. "Genetic Alterations in Renal Cell Carcinoma with Rhabdoid Differentiation"
5/2/2014	Washington University Young Investigator Award, Saint Louis, MO. "Genetic Alterations in Renal Cell Carcinoma with Rhabdoid Differentiation"
3/21/2015	ISUP Stipend Award. Boston, MA
9/10/2015	Washington University Outstanding Laboratory and Genomic Medicine Grand Rounds Award. St. Louis, MO. "Prostate Specific Antigen and Prostate Cancer Screening"
1/29/2016	Award Recipient, Intersociety Council for Pathology Information Trainee Travel Award
6/2/2017	Award Recipient, Indiana University Fellow Research Manuscript Award. Indianapolis, IN. "Morphologic Spectrum of Renal Cell Carcinoma, Unclassified: An Analysis of 136 Cases"

PROFESSIONAL LICENSURE AND BOARD CERTIFICATION

Licensure

8/2012 - Present	National Provider Identification #1417204629
7/1/2012 - 6/30/2016	Missouri Temporary License #2012021727
8/28/2015 - 9/6/2016	Ohio MD Training Certificate #57.026353
11/17/2015 - 10/31/2019	Indiana Physician Permanent Medical License #01076158A
11/30/2016 - 4/1/2018	Ohio Doctor of Medicine Permanent Medical License #35.129980
1/1/2018-6/30/2020	Rhode Island Medical License #MD16112

Board Certification and Examinations

7/18/2016-Present	Board Certified by the American Board of Pathology Anatomic and Clinical Pathology
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HOSPITAL APPOINTMENTS

7/1/2018 – Present	Surgical Pathologist/Cytopathologist Lifespan Academic Medical Center Rhode Island Hospital and The Miriam Hospital Providence, RI
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ACADEMIC APPOINTMENTS

7/1/2018 – Present Assistant Professor of Pathology
Warren Alpert Medical School of Brown University
Department of Pathology and Laboratory Medicine
Providence, RI

MEMBERSHIPS IN SOCIETIES

Member United States and Canadian Academy of Pathology (USCAP)
8/2012–Present

Member College of American Pathologists (CAP)
8/2012–Present

Member College of American Pathologists Publications Committee
1/2014–12/2015

Member College of American Pathologists (CAP) Residents Forum
3/2013–3/2015 Washington University Residents Forum Delegate

Member American Society for Clinical Pathology (ASCP)
8/2012–Present

Member International Society of Urological Pathology (ISUP)
2/2013–Present

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. ES Kassis, S Bansal, **C Perrino**, JP Walker, C Hitchcock, P Ross, Jr., VC Daniel. Giant asymptomatic primary esophageal schwannoma. *Ann Thorac Surg*. 2012 Apr;93(4):e81-3. PMID: 22450109.
2. **CM Perrino**, KS Pohar, DL Zynger. Urinary bladder chondroma. *Virchows Archiv*. 2012 Apr;460(4):437-8. PMID: 22395484.
3. **CM Perrino**, DN Prall, EP Calomeni, T Nadasdy, DL Zynger. Ultrastructural findings in adrenal cortical adenomas clinically mimicking pheochromocytoma: a comparison with other adrenal tumors and tissue preparation techniques. *Ultrastruct Pathol*. 2012 Oct;36(5):287-93. PMID: 23025647.
4. **CM Perrino**, EJ Fichtenbaum, KS Pohar, DL Zynger. Challenges in the pathological reporting of urothelial carcinoma involving prostatic transurethral resection specimens within a single institution. *Pathology*. 2013 Dec;45(7):664-9. PMID: 24247624.

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ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS (Continued)

5. **CM Perrino**, LP Dehner, ME Hartman, A Agarwal. Myelodysplastic syndrome with pulmonary tumor thrombotic microangiopathy in an 11-year-old male patient. *Pediatr Dev Pathol*. 2014 Jan-Feb;17(1):44-9. PMID: 24099418.
6. AS Joehlin-Price, **CM Perrino**, J Stephens, FJ Backes, PJ Goodfellow, DE Cohn, AA Suarez AA. Mismatch repair protein expression in 1049 endometrial carcinomas, associations with body mass index, and other clinicopathologic variables. *Gynecol Oncol*. 2014 Apr;133(1):43-7. PMID: 24444820.
7. **CM Perrino**, JF Wang, AC Chen, BT Collins. Adult Wilms' tumor metastatic to the lung: endobronchial ultrasound-guided fine needle aspiration biopsy. *Diagn Cytopathol*. 2014 Nov;42(11):950-5. PMID: 23913752.
8. **CM Perrino**, V Huchtagowder, S Kulkarni, PA Humphrey. Genetic alterations in renal cell carcinoma with rhabdoid differentiation. *Hum Pathol*. 2015 Jan;46(1):9-16. PMID: 25439741.
9. EH Kim, AM Potretzke, RS Figenshau, **CM Perrino**. Metastatic renal cell carcinoma presenting as a thyroid mass. *J Urol*. 2015 Feb;193(2):677-8. PMID: 25447100.
10. **CM Perrino**, JF Wang, BT Collins. Microphthalmia transcription factor immunohistochemistry for FNA biopsy of ocular malignant melanoma. *Cancer Cytopathol*. 2015 Feb;123(7):394-400. PMID: 25711993.
11. KC Bishop, **CM Perrino**, MB Ruzinova, EM Brunt. Ciliated hepatic foregut cyst: a report of 6 cases and a review of the English literature. *Diagn Pathol*. 2015 Jun 30;10:81. PMID: 26122082.
12. **Perrino CM**, Ho A, Dall CP, Zynger DL. Utility of GATA3 in the Differential Diagnosis of Pheochromocytoma. *Histopathology*. 2017 Sep;71(3):475-479. PMID: 28374498.
13. **Perrino CM**, DJ Grignon, SR Williamson, MT Idrees, JN Eble, L Cheng. Morphologic Spectrum of Renal Cell Carcinoma, Unclassified: An Analysis of 136 Cases. *Histopathology*. 2017 Aug 18. PMID: 28833389.

ABSTRACTS

1. **CM Perrino**, AS Joehlin-Price, AC Schmitt, DE Cohn, JA Stephens, AA Suarez. Body mass index correlates with mismatch repair protein expression in endometrial carcinoma. United States and Canadian Academy of Pathology 2012 Annual Meeting, Vancouver, Canada. *Mod Pathol*. 2012 Feb;(25):293A. [Poster].
2. **CM Perrino**, EJ Fichtenbaum, KS Pohar, DL Zynger. Prostatic biopsy and transurethral resections for primary bladder urothelial carcinoma: challenges and ambiguities in pathologic reporting. United States and Canadian Academy of Pathology 2013 Annual Meeting, Baltimore, MD. *Mod Pathol*. 2013 Feb;(26):240A. [Proffered Paper].

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ABSTRACTS (Continued)

3. **CM Perrino**, DN Prall, EP Calomeni, T Nadasdy, DL Zynger. Ultrastructural findings in adrenal cortical adenomas clinically mimicking pheochromocytoma: a comparison with other adrenal tumors and tissue preparation techniques. United States and Canadian Academy of Pathology 2013 Annual Meeting, Baltimore, MD. *Mod Pathol.* 2013 Feb;(26):506A. [Poster].
4. AS Joehlin-Price, **CM Perrino**, JA Stephens, DE Cohn, AA Suarez. Body mass index associations including mismatch repair protein expression in 1061 endometrial carcinomas. United States and Canadian Academy of Pathology 2013 Annual Meeting, Baltimore, MD. *Mod Pathol.* 2013 Feb;(26):281A. [Proffered Paper, presented by Dr. Joehlin-Price].
5. **CM Perrino**, JF Wang, BT Collins. Fine needle aspiration biopsy of ocular malignant melanoma: an institutional review. American Society of Cytopathology 2013 Annual Meeting, Orlando, FL. *JASC.* 2013 Nov;(2):S81. [Poster] .
6. **CM Perrino**, V Huchtagowder, S Kulkarni, PA Humphrey. Genetic alterations in renal cell carcinoma with rhabdoid differentiation. United States and Canadian Academy of Pathology 2014 Annual Meeting, San Diego, CA. *Mod Pathol.* 2014 Feb;(27):253A. [Poster].
7. **CM Perrino**, BT Collins, JF Wang. Ocular malignant melanoma diagnosed by fine needle aspiration biopsy: incidence of metastases and morphologic survival analysis. United States and Canadian Academy of Pathology 2014 Annual Meeting, San Diego, CA. *Mod Pathol.* 2014 Feb;(27):116A. [Poster].
8. JF Wang, **CM Perrino**, BT Collins. Microphthalmia-associated transcription factor (MITF) immunohistochemistry in the diagnosis of ocular malignant melanoma (MM). United States and Canadian Academy of Pathology 2014 Annual Meeting, San Diego, CA. *Mod Pathol.* 2014 Feb;(27):126A. [Poster].
9. **CM Perrino**, DL Zynger. Evaluation of fluorescence in situ hybridization (FISH) for deletion of chromosome 3p in the work-up of renal lesions. College of American Pathologists 2014 Annual Meeting (CAP '14), Chicago, IL. *Arch Pathol Lab Med.* 2014 Sept;138(9):e60. [Poster].
10. KC Bishop, **CM Perrino**, MB Ruzinova, EM Brunt. Ciliated hepatic foregut cyst: a report of 2 cases. College of American Pathologists 2014 Annual Meeting (CAP '14), Chicago, IL. *Arch Pathol Lab Med.* 2014 Sept;138(9):e6. [Poster].
11. **CM Perrino**, JF Wang, BT Collins. Microphthalmia transcription factor (MITF) immunohistochemistry for fine needle aspiration biopsy of ocular malignant melanoma. United States and Canadian Academy of Pathology 2015 Annual Meeting, Boston, MA. *Mod Pathol.* 2015 Feb;(28):302A. [Poster].
12. **CM Perrino**, J Orien, W Zhao, DL Zynger. Clinical Utility of FISH for the Detection of Chromosome 3p Deletion in FFPE Tissue. United States and Canadian Academy of Pathology 2016 Annual Meeting, Seattle, WA. *Mod Pathol.* 2016 Feb;29(S2):225A. [Poster].

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ABSTRACTS (Continued)

13. **CM Perrino**, A Ho, DL Zynger. GATA3 Immunohistochemistry Differentiates Malignant Pheochromocytoma from Adrenal Cortical Carcinoma. United States and Canadian Academy of Pathology 2016 Annual Meeting, Seattle, WA. *Mod Pathol.* 2016 Feb;29(S2):153A. [Poster].
14. **CM Perrino**, L Cheng, M Idrees, J Eble, C Kao, D Grignon. Plasmacytoid Urothelial Carcinoma: A Single Institution Immunohistochemical and Molecular Study of 26 Cases. United States and Canadian Academy of Pathology 2017 Annual Meeting, San Antonio, TX. *Mod Pathol.* 2017 Feb;30(S2):248A. [Poster].
15. **CM Perrino**, D Grignon, M Idrees, J Eble, L Cheng. Morphologic Analysis of Renal Cell Carcinoma, Unclassified. United States and Canadian Academy of Pathology 2017 Annual Meeting, San Antonio, TX. *Mod Pathol.* 2017 Feb;30(S2):248A. [Poster].
16. **CM Perrino**, HM Cramer, MT Idrees, HW Wu. Histopathologic and Clinical Follow-Up of Fine Needle Aspiration Biopsies of Renal Masses: An 11-Year Retrospective Analysis. American Society of Cytopathology 2017 Annual Meeting, Phoenix, AZ. [Poster].
17. **CM Perrino**, J Eble, L Cheng, M Idrees, S Chen, D Grignon. Trabecular Angiomyolipoma: A Single Institution Morphologic and Immunohistochemical Study of 22 Cases. United States and Canadian Academy of Pathology 2018 Annual Meeting, Vancouver, CA. [Accepted for Poster Presentation].
18. **CM Perrino**, HM Cramer, S Chen, M Idrees, H Wu. International Society of Urological Pathology (ISUP) Grading in Fine Needle Aspiration Biopsies of Renal Masses. United States and Canadian Academy of Pathology 2018 Annual Meeting, Vancouver, CA. [Accepted for Poster Presentation].

ONLINE PUBLICATIONS

1. **CM Perrino** (2013 Nov 5 to 2014 Aug 29). Adrenal cortical adenoma. In: Adrenal gland and paraganglia. DL Zynger (Ed.) Pathology Outlines. Retrieved from <http://www.pathologyoutlines.com/adrenal.html>.
Articles: *Children, Corticomedullary mixed tumor, General, Myxoid, Nonfunctioning, Oncocytoma, Tumors associated with adrenogenital syndrome, Tumors associated with Cushing disease, Tumors associated with hyperaldosteronism.*
2. **CM Perrino** (2014 Oct 8 to 2015 Jul 31). Neuroblastic tumors. In: Adrenal gland and paraganglia. DL Zynger (Ed.) Pathology Outlines. Retrieved from <http://www.pathologyoutlines.com/adrenal.html>
Articles: *Ganglioneuroblastoma, Ganglioneuroblastoma-other, Ganglioneuroma, General, Neuroblastoma.*

BOOK CHAPTER

1. **CM Perrino**, DL Zynger. Chapter 14 Adrenal Neuroendocrine Tumors: Pheochromocytoma and Neuroblastic Tumors. In: *Neuroendocrine Tumors: Review of Pathology, Molecular and Therapeutic Advances*. First edition. Editors A Nasir, D Coppola. New York: Springer, 2016. 323-357. Print.

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INVITED PRESENTATIONS

1. National Society for Histotechnology 2015 Annual Meeting, 8/31/2015. “IHC for Genitourinary Pathology: The Pathologist’s Perspective”. National Harbor, MD.
2. Illinois Society for Histotechnologists 2016 Annual Spring Symposium 5/19/2016. “IHC for Genitourinary Pathology: The Pathologist’s Perspective” .Fairview Heights, IL.
3. National Society for Histotechnology 2016 Annual Meeting 9/19/2016. IHC for Genitourinary Pathology: The Pathologist’s Perspective”. Long Beach, CA.

JOURNAL ARTICLE PEER REVIEWER

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| 4/2015 | Clinical Medicine and Research (x1) |
| 7/2015 | World Journal of Surgical Oncology (x1) |