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Signature

**Nilsa del C. Ramirez, M.D.**

**WORK ADDRESS**

Department of Laboratory Medicine  
Nationwide Children's Hospital  
Biopathology Center  
The Research Institute at Nationwide Children's Hospital  
Research II Building, WA5012  
700 Children's Drive  
Columbus, OH 43205  
(614) 722-5643  
e-mail address: [nilsa.ramirez@nationwidechildrens.org](mailto:nilsa.ramirez@nationwidechildrens.org)

**EDUCATION**

- 1981 B.Sc., Magna Cum Laude, University of Puerto Rico, Mayaguez Campus, Mayaguez, Puerto Rico, USA
- 1985 M.D., University of Puerto Rico School of Medicine, Rio Piedras, Puerto Rico, USA

**TRAINING**

**Internship and Residencies**

- 1985-1986 Intern in Pathology, Wayne State University School of Medicine Affiliated Hospitals, Detroit, MI
- 1986-1989 Resident in Anatomic and Clinical Pathology, Wayne State University School of Medicine Affiliated Hospitals, Detroit, MI
- 1989-1990 Fifth year junior fellowship (Gynecological/Obstetrical Pathology), Hutzel Hospital/Wayne State University School of Medicine, Detroit, MI
- 1990-1991 Fellow, Gynecological/Obstetrical Pathology, Hutzel Hospital/Wayne State University School of Medicine, Detroit, MI

**FACULTY APPOINTMENTS**

- 1992-2000 Assistant Professor, Department of Pathology, Wayne State University School of Medicine, Detroit, MI
- 1992-1999 Residency Committee, Hutzel Hospital Representative, Department of Pathology, Wayne State University School of Medicine, Detroit, MI
- 1996-1997 Co-Medical Director, Pathologist's Assistant Program, Departments of Pathology and Mortuary Science, Wayne State University School of Medicine and College of Pharmacy and Allied Health Professions, Detroit, MI
- 1996-2000 Adjunct Assistant Professor, Department of Mortuary Science, College of Pharmacy and Allied Health Professions, Wayne State University, Detroit, MI
- 1997-1999 Medical Director, Pathologist's Assistant Program, Departments of Pathology and Mortuary Science, Wayne State University School of Medicine and College of Pharmacy and Allied Health Professions, Detroit, MI
- 1997-1999 Member, Re-appointment Committee of the Chairperson, Department of Mortuary Science, College of Pharmacy and Allied Health Professions, Wayne State University, Detroit, MI.
- 2001- Associate Professor of Clinical Pathology, Department of Pathology, The Ohio State University College of Medicine and Public Health, Columbus, OH
- 2001- Medical Director, Pathologist's Assistant Program, Department of Pathology, The Ohio State University College of Medicine and Public Health, Columbus, OH
- 2002- Chairperson, Pathologist's Assistant Committee, Department of Pathology, The Ohio State University College of Medicine and Public Health, Columbus, OH
- 2002- Graduate Faculty Advisor, Master's level, Department of Pathology, The Ohio State University College of Medicine and Public Health, Columbus, OH
- 2003-2004 Director, Surgical Pathology Fellowship Program, Department of Pathology, The Ohio State University College of Medicine and Public Health, Columbus, OH
- 2003-2005 Member, Residency Advisory Committee, Department of Pathology, The Ohio State University College of Medicine and Public Health, Columbus, OH
- 2003-2005 Member, Quality Management Committee, Department of Pathology, The Ohio State University College of Medicine and Public Health, Columbus, OH
- 2003-2006 Member, Tissue Archive Committee, Department of Pathology, The Ohio State

University College of Medicine and Public Health, Columbus, OH

### **HOSPITAL/CANCER CENTER/RESEARCH INSTITUTE APPOINTMENTS**

- 1989-1990 Chief Resident, Department of Pathology, Wayne State University School of Medicine Affiliated Hospitals, Detroit, MI
- 1991-1999 Attending Pathologist, Department of Pathology, Hutzel Hospital/Wayne State University School of Medicine, Detroit, MI
- 1991-1996 Coordinator Gross Room/Prosection Activities, Department of Pathology, Hutzel Hospital, Detroit, MI
- 1991-1999 Quality Assurance Committee Member, Department of Pathology, Hutzel Hospital, Detroit, MI
- 1996-1999 Clinical Director, Gross Room/Prosection Activities and Histology, Department of Pathology, Hutzel Hospital, Detroit, MI
- 1999-2001 Associate Pathologist, Spectrum Health - Blodgett Campus, 1840 Wealthy Street S.E., Grand Rapids, MI
- 1999-2000 Chairperson, Pathology Professional Standards Committee, Department of Pathology, Spectrum Health - Blodgett Campus, 1840 Wealthy Street S.E., Grand Rapids, MI
- 2001- Attending Pathologist, Department of Pathology, The Ohio State University, Arthur P. James Cancer Center and University Medical Center, Columbus, OH
- 2002-2006 Member, Human Tissue Resource Network, Department of Pathology, The Ohio State University, Columbus, OH
- 2002-2006 Member, Clinical Scientific Review Committee, The Ohio State University, The Arthur P. James Cancer Center and University Medical Center, Columbus, OH
- 2002-2006 Member, Executive Committee, Clinical Scientific Review Committee, The Ohio State University, The Arthur P. James Cancer Center and University Medical Center, Columbus, OH
- 2003-2005 Director, Surgical Pathology, Division of Anatomic Pathology, Department of Pathology, The Ohio State University, The Arthur P. James Cancer Center and University Medical Center, Columbus, OH
- 2003-2005 Member, Anatomic Pathology Operations Group, Department of Pathology, The Ohio State University, The Arthur P. James Cancer Center and University

Medical Center, Columbus, OH

- 2005-2006 Chief, Placental and Perinatal Pathology, Division of Anatomic Pathology, Department of Pathology, The Ohio State University, The Arthur P. James Cancer Center and University Medical Center, Columbus, OH
- 2005-2006 Co-Chief, Gynecological Pathology, Division of Anatomic Pathology, Department of Pathology, The Ohio State University, The Arthur P. James Cancer Center and University Medical Center, Columbus, OH
- 2006- Director of Surgical Pathology, Division of Anatomic Pathology, Department of Laboratory Medicine, Columbus Children's Hospital (now Nationwide Children's Hospital), Columbus, OH
- 2006-2007 Assistant Medical Director, Biopathology Center, Columbus Children's Research Institute (now The Research Institute at Nationwide Children's Hospital), Columbus, OH
- 2007- Director, Morphology Core, Columbus Children's Research Institute (now The Research Institute at Nationwide Children's Hospital), Columbus, OH
- 2007- Medical Director, Biopathology Center, The Research Institute at Nationwide Children's Hospital (formerly Columbus Children's Research Institute), Columbus, OH
- 2008- Director, Biopathology Core, The Research Institute at Nationwide Children's Hospital, Columbus, OH
- 2008- Member, Small Animal Imaging Facility (SAIF) Oversight Committee, The Research Institute at Nationwide Children's Hospital, Columbus, OH
- 2008- Member, Clinical Study Conduct Standard Operation Procedures (SOP) Committee, The Research Institute at Nationwide Children's Hospital, Columbus, OH

## **PROFESSIONAL SOCIETIES**

Beta Beta Beta Biological Honor Society  
 International Academy of Pathology, USCAP Division  
 International Society of Gynecological Pathologists  
 Ohio Society of Pathologists  
 International Society for Biological and Environmental Repositories (ISBER)  
 Public Responsibility in Medicine and Research (PRIM&R)

## LICENSURE AND BOARD CERTIFICATION

1986 Diplomat, National Board of Medical Examiners  
 1988 Michigan State Medical License  
 1994 American Board of Pathology, Anatomic Pathology  
 2001 Ohio State Medical License

## HONORS/AWARDS

1990 Second place, poster competition, Michigan Society of Pathologists Second Annual Resident Research Forum, Lansing, MI. **Ramirez N**, Lawrence WD, Ginsburg KA. Extra-tubal ectopic pregnancy: a clinicopathologic study of 41 cases. Divisions of Anatomic Pathology and Reproductive Endocrinology/Infertility; Hutzel Hospital and Wayne State University School of Medicine.

## SERVICE

### Extra-institutional:

Ad hoc reviewer: Diagnostic Cytopathology (1992-1996)  
 Inspection Team: Harper Hospital, Detroit Medical Center/Wayne State University, College of American Pathologists (1992-1994)  
 Ad hoc reviewer: Fertility and Sterility, The Journal of the American Society of Reproductive Medicine (1995-1996)  
 Member: Community Advisory Board, Hank Aguirre Cancer Awareness Program (1996-1999)  
 Member: Anatomic Pathologist's Educator, Affiliated Professions Review Committee, National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), (1997 - 2005)  
 Gynecologic Oncology Group (GOG) pathology case reviewer:  
     Ad hoc pathology case reviewer for the Wayne State University Group (Institutional PI - Dr. Gunther Deppe), Detroit, MI (1992-1999)  
     Institutional pathologist for the Western Michigan Affiliate (Institutional PI - Dr. Gordon Downey) of the Tacoma Group, Grand Rapids, MI (1999-2001)  
     Institutional pathologist for The Ohio State University Group (Institutional PI - Dr. Jeff Fowler), Columbus, OH (2001-2008)  
 Participant: Pathology case reviewer, Pathology Committee, Gynecologic Oncology Group (GOG), (2000-present)  
 Validation studies: Placental pathology, for "Pregnancy Outcomes and Community Health (POUCH) Study", an NICHD funded grant, Dr. Claudia Holzman (PI), Department of Epidemiology, Michigan State

- University, Lansing, MI (2000-2002)
- Member: Columbus Cancer Council, Columbus, Ohio (2001- present)
- Member: Tissue Utilization Committee, Gynecologic Oncology Group (GOG), (2006- present)
- Ad hoc reviewer: Gynecologic Oncology Journal (2002 - 2006)
- Inspection Team: University Medical Center/The Ohio State University, College of American Pathologists (2003)
- Volunteer: Volunteer Pathologist in case of disaster involving mass fatalities, Franklin County Coroner's Office Disaster Plan, Franklin County, Ohio (2003-present)
- Member: The Cooperative Human Tissue Network (CHTN) Coordinating Committee (2003-present)
- Member: Quality Assurance Subcommittee (2003-March 2006, 2007-present)
- Member: Strategic Planning Subcommittee (2003-March 2006, 2007-present)
- Member: Regulatory Affairs Subcommittee (2003-March 2006, 2007- present)
- Chair, Regulatory Affairs Subcommittee (June 2008-present)
- Associate member: Children's Oncology Group (COG), (2007-2008)
- Member: Children's Oncology Group (COG), (2008-present)
- Committees:
- Member, Rare Tumor Committee
- Chair, ABTRO1B1 Rare Tumor Banking Protocol
- Member, ARAR07N1 Biology and Treatment of Children with All Stages of Hepatoblastoma Protocol
- Member, Soft Tissue Sarcoma Committee
- Vice Chair, D9902 A COG Soft Tissue Sarcoma Biology and Banking Protocol
- Member, Pathology Discipline Committee
- Biopathology Center Representative in COGs Scientific Chairs Committee
- Biopathology Center Representative in COGs Executive Committee
- Member: Group Banking Committee NCI/NIH, representing the tissue bank of the Children's Oncology Group (COG) and the tissue bank of the Gynecologic Oncology Group (GOG), (2007-present)
- Committees:
- Member, Steering Committee (2007-present)
- Member, Regulatory Subcommittee (2007-present)
- Vice Chair, Regulatory Subcommittee (2007-2008)
- Chair, Regulatory Subcommittee (May 2008-present)

QA Review: The Cancer Genome Atlas (TCGA), National Cancer Institute (NCI) – Reviewer of ovarian cancer tissue samples (2008-present)

## GRANTS

- 2001-2006 Grant Title: The Cooperative Human Tissue Network (Midwestern Division)  
 Funding Agency: National Cancer Institute (NCI)  
 Co-Investigator: Nilsa C. Ramirez, MD  
 Period of Support: 2001 - March 2003  
 Principal Investigator: Nilsa C. Ramirez, MD  
 Period of Support: April 2003 - March 2006
- 2004-2006 Grant Title: Gynecologic Cancer Center for Racial Disparities  
 Funding Agency: The Henry M. Jackson Foundation for the Advancement of Military Medicine  
 Core Leader: Nilsa C. Ramirez, MD  
 Period of Support: 2004 - 2006
- 2004-2006 Grant Title: Comprehensive Cancer Center,  
 The Ohio State University, The Arthur P. James Cancer Center  
 Funding Agency: NCI  
 Co-Director (area of tissue resources): Nilsa C. Ramirez, MD  
 Period of Support: 2004 – 2006
- 2007-2008 Grant Title: A Study of Neurocognitive Function in Children Treated for ALL  
 Funding Agency: COG/NCI/NIH  
 Principal Investigator: Gregory Reaman, MD  
 Tissue Bank (Biorepository - The Research Institute at Nationwide Children's Hospital): Nilsa C. Ramirez, MD  
 Period of Support: October 2007 – February 2009
- 2007-2009 Grant Title: Informatics Grant  
 Funding Agency: COG  
 Principal Investigator: Gregory Reaman, MD  
 Tissue Bank (Biorepository - The Research Institute at Nationwide Children's Hospital): Nilsa C. Ramirez, MD  
 Period of Support: October 2007 - December 2009
- 2007-2009 Grant Title: Pediatric CHTN: New Scope/Technology Aids Cancer Research  
 Funding Agency: NIH/NCI  
 Principal Investigator: Nilsa C. Ramirez, MD  
 Period of Support: August 2007 - March 2009
- 2008-2009 Grant Title: Children's Oncology Group Biopathology Center

Funding Agency: COG/NCI/NIH  
Principal Investigator: Gregory Reaman, MD  
Tissue Bank (Biorepository - The Research Institute at Nationwide Children's Hospital): Nilsa C. Ramirez, MD  
Period of Support: March 2008 - February 2009

2007-2009 Grant Title: Biopathology - Specimen Banking  
Funding Agency: COG/NCI/NIH  
Principal Investigator: Gregory Reaman, MD  
Tissue Bank (Biorepository - The Research Institute at Nationwide Children's Hospital): Nilsa C. Ramirez, MD  
Period of Support: October 2007 - March 2008  
Period of Support: April 2008 - March 2009 (Pending)

2007-2009 Grant Title: Group Banking Committee Restricted Funds  
Funding Agency: National Childhood Cancer Foundation (NCCF)/NIH/NCI  
Principal Investigator: Gregory Reaman, MD  
Tissue Bank (Biorepository - The Research Institute at Nationwide Children's Hospital): Nilsa C. Ramirez, MD  
Period of Support: October 2007 - March 2009

2007-2009 Grant Title: Biopathology - Committee Chair - Specimen Banking  
Funding Agency: COG/NIH  
Principal Investigator: Nilsa C. Ramirez, MD  
Period of Support: April 2007 - March 2009

2007-2009 Grant Title: Specimen Banking  
Funding Agency: GOG  
Principal Investigator: Philip DiSaia, MD  
Tissue Bank (Biorepository - The Research Institute at Nationwide Children's Hospital): Nilsa C. Ramirez, MD  
Period of Support: October 2007 - March 2009

2007-2009 Grant Title: Gynecologic Oncology Group Tissue Bank  
Funding Agency: Gynecologic Oncology Group (GOG)/NIH/NCI  
Principal Investigator: Phillip J. DiSaia, MD  
Tissue Bank (Biorepository - The Research Institute at Nationwide Children's Hospital): Nilsa C. Ramirez, MD  
Period of Support: October 2007 - March 2009

2007-2009 Grant Title: The Research Institute at Nationwide Children's Hospital – Correlative Studies to Molecular Targeted Combination Trials  
Funding Agency: SAIC - Frederick, Inc./NCI/NIH  
Principal Investigator: Nilsa C. Ramirez, MD  
Period of Support: October 2007 - April 2009

- 2007-2008 Grant Title: Soft Tissue Reference Laboratory  
 Funding Agency: COG/St. Baldrick's Foundation  
 Principal Investigator: Nilsa C. Ramirez, MD  
 Period of Support: October 2007 - October 2008
- 2007-2008 Grant Title: Evaluation of H&E Slides Created from Papillary Serous Carcinoma of the Ovary  
 Funding Agency: NIH/NCI  
 Principal Investigator: Nilsa C. Ramirez, MD  
 Period of Support: November 2007 - October 2008
- 2007-2009 Grant Title: A Phase II Evaluation of AMG706 in the Treatment of Persistent of Recurrent Epithelial Ovarian of Primary Peritoneal  
 Funding Agency: GOG  
 Principal Investigator: Phillip J. DiSaia, MD  
 Tissue Bank (Biorepository - The Research Institute at Nationwide Children's Hospital): Nilsa C. Ramirez, MD  
 Period of Support: November 2007 - March 2009
- 2008-2009 Grant Title: The Cancer Genome Atlas Project  
 Funding Agency: GOG/SAIC-Frederick/NCI/NIH  
 Principal Investigator: Phillip J. DiSaia, MD  
 Tissue Bank (Biorepository - The Research Institute at Nationwide Children's Hospital): Nilsa C. Ramirez, MD  
 Period of Support: April 2, 2008 – August 9, 2009
- 2008-2009 Grant Title: OSU REAP Project  
 Funding Agency: The Ohio State University Research Foundation  
 Principal Investigator: -- not sure, perhaps NCR would know.  
 Period of Support: May 1, 2008 – June 30, 2009
- 2009-2009 Grant Title: Lymphoma and Leukemia Digital Archive  
 Funding Agency: St. Baldrick's Foundation  
 Principal Investigator: Nilsa C. Ramirez, MD  
 Period of Support: January 1, 2009 – December 31, 2009
- 2009-2009 Grant Title: Biospecimen Repository  
 Funding Agency: Lance Armstrong Foundation  
 Principal Investigator: Nilsa C. Ramirez, MD  
 Period of Support: January 1, 2009 – December 31, 2009

## **TEACHING**

- 1986-1999 Sophomore medical students, Pathology Laboratory Course, Wayne State

University School of Medicine, Detroit, MI

- 1990-1999 Gynecologic Oncology Tumor Board, Hutzel Hospital/Wayne State University School of Medicine, Detroit, MI
- 1994-1999 Course and Curriculum Development, Departments of Pathology and Mortuary Science, Wayne State University School of Medicine and College of Pharmacy and Allied Health Professions, Detroit, MI:
1. 1994- 1997 Pathologist Assistant's Clinical Lecture Series, DMC/WSU Rotation
  2. 1996- Pathology 525, Basic Pathology Course for Anatomic Pathologist's Assistants, School of Mortuary Science
  3. 1996- Clinical Terminology and Methodology 505, Course for Anatomic Pathologist's Assistants, School of Mortuary Science
  4. 1997 – Pathologist's Assistants Clinical Lecture Series, DMC/WSU Rotation
    - Histopathologic Techniques, MS 455
    - Clinical Surgical Pathology, MS 465
    - Clinical Autopsy Pathology, MS 450
    - Clinical Laboratory Management, MS 485
    - Clinical Pathology Laboratory, MS 470
- 1999 - 2001 Gynecologic Oncology Tumor Board, Spectrum Health Blodgett Campus and Butterworth Campus, Grand Rapids, MI
- 2000 - 2001 Gynecologic Pathology Lecture, Department of Gynecology Meeting, 2<sup>nd</sup> Wednesday of the month, Spectrum Health Blodgett Campus and Butterworth Campus, Grand Rapids, MI
- 2001 - 2006 Gynecologic Oncology Tumor Board, The Arthur P. James Cancer Center/ University Medical Center, The Ohio State University, Columbus, OH
- 2001 - Lecturer, Surgical Pathology Didactic Conference Series, Residency Program, Department of Pathology, The Ohio State University College of Medicine and Public Health, Columbus, OH
- 2001- Course director, Individual Studies in Pathology - Surgical Pathology Course - 793.09, The Ohio State University College of Medicine and Public Health, Columbus, OH
- 2002-2006 Sophomore optometry students, Pathology Lecture Series, The Ohio State University College of Optometry, Columbus, OH
- 2002- Sophomore medical students, Pathology Lecture Series, Department of Pathology, The Ohio State University College of Medicine and Public Health, Columbus, OH

- 2002- Sophomore dental students, Pathology Lecture Series, The Ohio State University College of Dentistry, Columbus, OH
- 2006- Pediatric Surgery Didactic Pathology Lecture Series, Columbus Children's Hospital, Columbus, Ohio

## PUBLICATIONS

1. Chang CH, **Ramirez N**, Sakr W. Primitive neuroectodermal tumor of the brain associated with malignant rhabdoid tumor of the liver: a histologic, immunohistochemical, and electron microscopic study. *Ped Path* 9:307-319, 1989
2. Jacques SM, Qureshi F, Trent VS, **Ramirez NC**. Placenta accreta: mild cases diagnosed by placental examination. *Int J Gynecol Pathol* 15(1):28-33, 1996
3. Jacques SM, Qureshi F, **Ramirez NC**, Lawrence WD. Unusual endometrial stromal cell changes mimicking metastatic carcinoma. *Pathol Res Pract* 192:33-36, 1996
4. **Ramirez NC**, Lawrence WD, Ginsburg KA. Ectopic pregnancy: a 5-year recent study and literature review of the last 50 years. *J of Reprod Med* 41:733-740, 1996
5. Jacques SM, Qureshi F, **Ramirez NC**, Malviya VK, Lawrence WD. Tumors of the uterine isthmus: clinicopathologic features and immunohistochemical characterization of p53 expression and hormone receptors. *Int J Gynecol Pathol* 16(1):38-44, 1997
6. Jacques SM, Qureshi F, **Ramirez NC**, Lawrence WD. Retained trophoblastic tissue in fallopian tubes: a consequence of unsuspected ectopic pregnancies. *Int J Gynecol Pathol* 16:219-224, 1997
7. Doss BJ, **Ramirez NC**, Lawrence WD. Failed methotrexate treated ectopic pregnancies: clinicopathologic correlations. *Int J Surg Pathol* 5:83-93, 1997
8. Doss BJ, Wanek SM, Jacques SM, Qureshi F, **Ramirez NC**, Lawrence WD. Extratubal secondary trophoblastic implants: Clinicopathologic correlation and review of the literature. *Hum Pathol* 1997 Jul;16(3):219-24
9. Doss BJ, Wanek SM, Jacques SM, Qureshi F, **Ramirez NC**, Lawrence WD. Ovarian leiomyomas: clinicopathologic features of fifteen cases. *Int J Gynecol Pathol* 1999 Jan;18(1):63-8
10. Doss BJ, Jacques SM, Qureshi F, **Ramirez NC**, Lawrence WD. Ovarian smooth muscle metaplasia: an uncommon and possibly underrecognized entity. *Int J Gynecol Pathol* 1999 Jan;18(1):58-62

11. Leach RE, Khalifa R, **Ramirez N**, Das SK, Wang J., Dey SK, Romero R., Armant DR. Multiple roles for heparin-binding epidermal growth factor-like growth factor are suggested by its cell-specific expression during the human endometrial cycle and early placentation. *J Clin Endocrinol Metab* 1999 Sep;84(9):3355-63
12. **Ramirez NC**, Sastry L, Pisharodi L. Benign glandular and squamous metaplastic-like cells seen in vaginal PAP smears of post hysterectomy patients: incidence and profile. *Eur J Gynaec Oncol*, XXI, n.1, 2000:43-48
13. Morrison C, **Ramirez NC**, Chang JK, Wakely P Jr. Endometrial Stromal Sarcoma of Retroperitoneum. *Annals Diag Path* 2002 Oct;6(5):312-318
14. Plaza JA, Perez-Montiel MD, **Ramirez NC**: Adenomatoid tumor of the uterus. *Surgical Pathology No. SP 02-4 (SP-308)*, Check Sample, American Society for Clinical Pathology, *Surgical Pathology*, Vol. 30, No. 4, 2002, ISSN-1091-8655
15. Plaza JA, Cohn DE, **Ramirez NC**: High Grade Endometrial Stromal Sarcoma, Uterine. *Surgical Pathology No. SP 02-8 (SP-312)*, Check Sample, American Society for Clinical Pathology, *Surgical Pathology* Vol. 30, No. 8, 2002, ISSN-1091-8655
16. Cioc AM, Fowler JM, **Ramirez NC**: Clear Cell Adenocarcinoma of the endometrium. *Surgical Pathology No. SP-02-7 (SP-311)*, Check Sample, American Society for Clinical Pathology, *Surgical Pathology* Vol. 30, No. 7, 2002, ISSN-1091-8655
17. Plaza JA, **Ramirez NC**, Nuovo GJ: Utility of HPV analysis for evaluation of possible metastatic disease in women with cervical cancer. *Int J Gynecol Pathol* 2004 Jan;23(1):7-12
18. Lindauer J, Fowler JM, Manolitsas TP, Copeland LJ, Eaton LA, **Ramirez NC**, Cohn DE: Is there a prognostic difference between depth of invasion and the tumor-free distance from the uterine serosa in endometrial cancer? *Gynecol Oncol* 91(2004) 547-551
19. Qualman SJ, France M, Grizzle WE, LiVolsi VA, Moskaluk CA, **Ramirez NC**, Washington MK: Establishing a tumour bank: banking, informatics and ethics. *British Journal of Cancer* (2004), 1-5
20. Satoskar A, **Ramirez NC**, Bartholomew D, Davis J, Nuovo GJ: Histologic correlates of viral and bacterial infection of the placenta associated with severe morbidity and mortality in the newborn. *Human Pathology*, Vol. 35, No. 5, May 2004
21. Pavelka JC, Ben-Shachar I, Fowler JM, **Ramirez NC**, Copeland LJ. Morbid obesity and endometrial cancer: surgical, clinical, and pathologic outcomes in surgically managed patients. *Gynecol Oncol* 3:588-592, 2004

22. Cordero L, Giannone PJ, **Ramirez NC**, Joy SD: Mean arterial pressure in concordant and discordant triplets during the first week of life. *J Perinatol* 3:198-204, 2005
23. Fowler JM, **Ramirez NC**, Cohn DE, Kelbick N, Pavelka J, Ben-Shachar I, Morrison C: Correlation of cyclooxygenase-2 (COX-2) and aromatase expression in human endometrial cancer: Tissue microarray analysis. *Am J Obstet Gynecol* 4:1262-1271, 2005
24. Ben-Shachar I, Pavelka J, Cohn DE, Copeland LJ, **Ramirez NC**, Manolitsas T, Fowler JM: Surgical staging for patients presenting with grade 1 endometrial carcinoma. *Obstet Gynecol* 3: 487-493, 2005
25. Cohn DE, Resnik KE, **Ramirez NC**, Morrison CD: Advanced endometrial cancer with serous metastasis in a 17-year-old. *Gynecol Oncol* 101 (2006) 356-359
26. Morrison C, Zanagnolo V, **Ramirez NC**, Cohn DE, Kelbick N, Copeland L, Maxwell GL, Fowler JM: HER-2 is an independent prognostic factor in endometrial cancer: Association with outcome in a large cohort of surgically staged patients. *J Clin Oncol* 24 (15): 2376-2385, 2006
27. Bloomston M, Chanona-Vilchis J, Ellism EC, **Ramirez NC**, Frankel WL: Carcinosarcoma of the Pancreas arising in a mucinous cystic neoplasm. *AM Surg.* 2006 April; 72 (4): 351-5
28. Diaz-Haderthauer M, Cohn DE, **Ramirez NC**: Aggressive Angiomyxoma of the Vulva. *Surgical Pathology No. SP 07-1 (SP-345)*, Check Sample, American Society for Clinical Pathology, *Surgical Pathology*, Vol. 35, No. 1, 2007, ISSN-1091-8655, 2007
29. **Ramirez NC**, Barr TJ, Billiter DM: Utilizing Virtual Microscopy for Quality Control Review. *Dis Markers*, Vol.23, No.5-6, 2007, 459-466
30. LeGallo RD, Stelow EB, **Ramirez NC**, Atkins KA: Diagnosis of Hydatidiform Moles Using p57 Immunohistochemistry and HER2 Fluorescent In Situ Hybridization. *Am J Clin Pathol* 2008;29:749-755

## BOOKS AND CHAPTERS

1. Leach RE, **Ramirez NC**. Chapter 14: Office Endometrial Biopsy. In: Invasive Outpatient Procedures in Reproductive Medicine, Evans MI, Johnson MP, Moghissi KS. (eds), New York, NY: Raven Press, pp. 171-184, 1996.
2. **Ramirez NC**. Chapter 2: Pathology of the Endometrium. In: The Endometrium and Endometriosis, Osteen K, Diamond M. (eds), Cambridge Mass: Blackwell Science Inc., pp. 7-19, 1997.

3. Leach RE, **Ramirez NC**. Theca Cell Tumors. In: Encyclopedia of Reproduction, Vol. 4, Academic Press, pp. 101-104, 1998
4. **Ramirez NC**, Lawrence WD, Scully RE. Chapter 5: Pathology of the Uterus. In: Diagnostic and Operative Hysteroscopy: A text and atlas, Baggish MS, Barbot J, Valle RF. (eds), St. Louis, MO: Mosby-Year Book, Inc., pp. 47-62, 1999.
5. **Ramirez NC**. Chapter 2: Histopathology. In: Management of Ectopic Pregnancy, Leach RE, Ory SJ (eds), Cambridge Mass, Blackwell Science Inc., pp. 14-29, 2000.
6. **Ramirez NC**, Lawrence WD. Chapter 37: Uterus. In: Modern Surgical Pathology, Weidner N, Cote R, Suster S, and Weiss L (eds), Orlando, FL: W. B. Saunders Company, Inc. Part VII, Volume II, pp.1327-1377, 2002
7. **Ramirez NC**, Lawrence WD. Chapter 38: Fallopian Tubes and Broad Ligament. In: Modern Surgical Pathology, Weidner N, Cote R, Suster S, and Weiss L (eds), Orlando, FL: W. B. Saunders Company, Inc. Part VII, Volume II, pp. 1378-1396, 2002
8. **Ramirez NC**, Lawrence WD. Chapter 6: Pathology of the Uterus. In: Hysteroscopy: Visual Perspectives of Uterine Anatomy, Physiology, and Pathology, Baggish MS, Valle RF, Guedj (authors), Wolters Kluwer Health, Lippincott, Williams & Wilkins, third edition, pp. 59-76, 2007

#### **PUBLISHED ABSTRACTS**

1. **Ramirez NC**, Lawrence WD, Ginsburg KA. A current study of ectopic pregnancy: a clinicopathological analysis of 600 cases. XVII meeting of the International Academy of Pathology (IAP), Dublin, Ireland, September, 1988
2. Lawrence WD, **Ramirez NC**, Ginsburg KA. Tubal diverticula associated with ectopic pregnancy: a clinicopathological analysis of 38 cases. 78th annual meeting of the US and Canadian Academy of Pathology/IAP, San Francisco, March, 1989. Lab Invest 60(1):52A, 1989
3. **Ramirez NC**, Lawrence WD, Ginsburg KA. Endometrium associated with ectopic pregnancy: a clinicopathologic analysis of 232 cases. XVIII International Congress of the International Academy of Pathology (IAP), Buenos Aires, Argentina, September, 1990
4. **Ramirez NC**, Lawrence WD, Ginsburg KA. Extratubal ectopic pregnancy: a clinicopathologic study of 41 cases. Annual Meeting of the US and Canadian Academy of Pathology/IAP, Boston, MA, March 1990. Modern Path 3(1):81A 1990 and Laboratory Invest 62(1):81A 1990

5. Ginsburg KA, **Ramirez NC**, Lawrence WD. Risk factors in repeated tubal ectopic pregnancy. Presented at the 46th Annual Meeting of the American Fertility Society, Washington, DC. October, 1990. Fertility and Sterility Supplement: S78, 1990
6. Shanti A, Montgomery-Rice V, Moghissi K, **Ramirez NC**, Leach R. Histological study of the re-epithelialization of the rabbit ovary after injury and the effect of Interceed and Poloxamer 407. Proceedings for the Society of Gynecologic Investigations. P273, p 319, 1993
7. **Ramirez NC**, Sastry L, Pisharodi L, Bedrossian CWM. Benign glandular and "metaplastic-like" cells of undetermined origin seen in negative vaginal PAP smears of post hysterectomy patients. Annual Meeting of the US and Canadian Academy of Pathology/IAP, San Francisco, CA, March 1994. Mod Pathol #217, 40A, 1994
8. Rice VM, **Ramirez NC**, Richard-Davis G, Moghissi K, Leach R. Histopathologic changes in rat peritoneum after injury and treatment with Interceed and Poloxamer 407. 49th Annual Meeting of the American Fertility Society, October 1994
9. Lawrence WD, Jacques SM, **Ramirez NC**, Qureshi F. Intrauterine device (IUD)-associated endometrial polyps with phylloides pattern: mimicry of mullerian biphasic tumors. International Congress of the International Academy of Pathology (IAP), Hong Kong, October 1994. Int J Surg Pathol 2 suppl:#234; 1994
10. Pisharodi LR, Bedrossian C, Lawrence WD, **Ramirez NC**, Malone J Jr. Do serous borderline tumors of ovary have distinct cytomorphologic features? Analysis and comparison to serous carcinoma. 42nd Annual American Society of Cytology Meeting in Chicago, IL. Acta Cytologica 38:874; 1994
11. Pisharodi LR, **Ramirez NC**, Gudlaugsson E, Lipinski D, Bedrossian CWM. The spectrum of atypical glandular cells of undetermined significance (AGCUS) on pap smears. 42nd Annual American Society of Cytology Meeting in Chicago, IL. Acta Cytologica 38:794; 1994
12. Saksouk FA, Johnson SC, **Ramirez NC**, Miller PR. Transvaginal sonography and color Doppler imaging of ovarian cystic teratomas. Proceedings: 39th Annual Convention of American Institute of Ultrasound in Medicine, San Francisco, CA. March 1995
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18. Doss BJ, **Ramirez NC**, Lawrence WD. Failed methotrexate treated ectopic pregnancies: a clinicopathologic correlation. Annual Meeting of US and Canadian Academy of Pathology/IAP, Orlando, FL, March 1997. *Mod Pathol* 10:99A (Abstract #570); 1997
19. Qureshi F, Jacques SM, **Ramirez NC**, Wilkins S, Lawrence WD. Does the examination of progressively deeper levels change the diagnosis on cervical biopsies (CXB) and endocervical curettings (ECC) from women with abnormal pap smears? Annual Meeting of US and Canadian Academy of Pathology/IAP, Orlando, FL, March 1997. *Mod Pathol* 10:176A (Abstract #1036); 1997
20. Doss BJ, Wanek SM, **Ramirez NC**, Jacques SM, Qureshi F, Lawrence WD. The spectrum of metaplastic and neoplastic smooth muscle differentiation in the ovary. Annual meeting of the US and Canadian Academy of Pathology/IAP, Boston, MA, March 1998. *Mod Pathol*, 1998
21. Doss BJ, Logani S, Jacques SM, Qureshi F, **Ramirez NC**, Rabah R, Lawrence WD. The Arias-Stella reaction and its variants: histopathologic and immunohistochemical features. Annual meeting of the US and Canadian Academy of Pathology/IAP, Boston, MA, March 1998. *Mod Pathol*, 1998
22. **Ramirez NC**, Perez Montiel MD. CD10, Inhibin, h-caldesmon, and Calponin expression in ovarian Adult Granulosa Cell Tumors with diffuse (sarcomatoid) growth pattern. Annual meeting of the US and Canadian Academy of Pathology/IAP, Washington, DC, March 2003, *Mod Pathol*, Vol.16, No.1, Jan 2003, page 207A (Abstract #944)
23. Satoskar A, **Ramirez NC**, Nuovo G. Histologic correlates of placental infection associated with severe morbidity in the newborn. Annual meeting of the US and

Canadian Academy of Pathology/IAP, Washington, DC, March 2003, Mod Pathol, Vol.16, No.1, Jan 2003, page 209A (Abstract #955)

24. Merati C, Morrison C, Cohn DE, **Ramirez NC**, Fowler JM, De Lott LB, Frankel WL. The Mucin Expression Profile in 317 Cases of Endometrial Carcinoma and Correlation with Tumor Type and Grade. Annual Meeting of the US and Canadian Academy of Pathology/IAP, San Antonio, Texas. Modern Pathology 18, (1): 906, 2005
25. Baker PB, Aldrink JH, Evans S, Groner J, **Ramirez N**. Intraoperative frozen section in the management of massive ovarian stromal edema. Published in the meeting proceedings. (Oral Presentation by Dr. P. Baker at the Society for Pediatric Pathology Meeting, in Louisville, KY, October 3, 2008).

## PRESENTATIONS

1. A current study of ectopic pregnancy: a clinicopathological analysis of 360 cases. Residents' Research Day, Wayne State University School of Medicine, Detroit, MI, June, 1989
2. Tubal diverticula associated with ectopic pregnancy: a clinicopathological analysis of 38 cases. Residents' Research Day, Wayne State University School of Medicine, Detroit, MI, June, 1989
3. Ectopic pregnancy: the Hutzel Hospital experience. Grand Rounds in Obstetrics and Gynecology, Hutzel Hospital and Wayne State University School of Medicine, Detroit, MI, December, 1989
4. Mesenchymal lesions of the uterus: selected topics. First Update Course in Surgical Pathology, sponsored by The Ohio State University College of Medicine, Department of Pathology, The Hilton Hotel-Columbus, Columbus, OH, September 13-16, 2001
5. Microinvasive carcinomas of the cervix, vagina, and vulva. First Update Course in Surgical Pathology, sponsored by The Ohio State University College of Medicine, Department of Pathology, The Hilton Hotel-Columbus, Columbus, OH, September 13-16, 2001
6. Case presentation: Gynecomastoid hyperplasia of the breast. First Update Course in Surgical Pathology, sponsored by The Ohio State University College of Medicine, Department of Pathology, The Hilton Hotel-Columbus, Columbus, OH, September 13-16, 2001
7. Immunohistochemistry: Female Reproductive Tract. American Society of Clinical Pathology Annual Meeting, Philadelphia Convention Center, Philadelphia, PA, October 19-23, 2001

8. Placental Pathology for the Surgical Pathologist. Second Update Course in Surgical Pathology, sponsored by The Ohio State University College of Medicine, Department of Pathology, The Hilton Hotel-Columbus, Columbus, OH, August 25-27, 2002
9. Patologia del Cervix Uterino (Pathology of the uterine cervix). Jornadas de Actualizacion en Patologia Anatomica (Update Course in Anatomic Pathology), sponsored by The Ohio State University College of Medicine, Department of Pathology and the University of Texas MD Anderson Cancer Center, Department of Pathology, Hotel Hilton Colon-Quito, Quito, Ecuador, December 2-5, 2002
10. Criterios Actualizados en la Evaluacion de la Placenta (Updated Criteria in the Evaluation of the Placenta). Jornadas de Actualizacion en Patologia Anatomica (Update Course in Anatomic Pathology), sponsored by The Ohio State University College of Medicine, Department of Pathology and the University of Texas MD Anderson Cancer Center, Department of Pathology, Hotel Hilton Colon-Quito, Quito, Ecuador, December 2-5, 2002
11. Presentacion de Caso #5: Tumor de Celulas Granulosas, Primario del Ovario (Case presentation #5, Granulosa Cell Tumor, Primary of the Ovary). Jornadas de Actualizacion en Patologia Anatomica (Update Course in Anatomic Pathology), sponsored by The Ohio State University College of Medicine, Department of Pathology and The University of Texas MD Anderson Cancer Center, Department of Pathology, Hotel Hilton Colon-Quito, Quito, Ecuador, December 2-5, 2002
12. Gestational Trophoblastic Disease. Third Update Course in Surgical Pathology, sponsored by The Ohio State University College of Medicine, Department of Pathology, The Hilton Hotel-Columbus, Columbus, OH, September 7-9, 2003
13. Case Presentation: Adult Granulosa Cell Tumor with Sarcomatoid Pattern. Third Update Course in Surgical Pathology, sponsored by The Ohio State University College of Medicine, Department of Pathology, The Hilton Hotel-Columbus, Columbus, OH, September 7-9, 2003
14. Tumores Ovaricos (Ovarian Tumors). XXIV Congreso Latinoamericano de Patologia (XXIV Latin-American Congress of Pathology), auspiciado por la Sociedad Latinoamericana de Patologia (Sponsored by the Latin-American Society of Pathology), The Swissotel, Quito, Ecuador, October 19-4, 2003
15. Inservice Lecture for Operating Room Nurses (University Medical Center): Frozen Tissue Sections for Intraoperative Diagnosis. The Ohio State University, October 2003
16. Selected topics in Uterine and Ovarian Pathology. Winter meeting of the Ohio Society of Pathology. Embassy Suites Hotel, Columbus, Ohio. February 7, 2004
17. Case Presentation #4, USCAP Gynecologic Pathology Specialty Panel, Evening Session.

- United States and Canadian Academy of Pathology/IAP Meeting. Vancouver Convention Center, Vancouver, British Columbia, Canada. March 6-12, 2004
18. Case Presentation: Mesonephric Adenocarcinoma of the Uterine Cervix. Fourth Update Course in Surgical Pathology, sponsored by The Ohio State University College of Medicine, Department of Pathology, The Hilton Hotel-Columbus, Columbus, OH, September 12-14, 2004
  19. Selected Topics in Gynecological Pathology. Fourth Update Course in Surgical Pathology, sponsored by The Ohio State University College of Medicine, Department of Pathology, The Hilton Hotel-Columbus, Columbus, OH, September 12-14, 2004
  20. Selected Topics in Gynecological Pathology. The 37<sup>th</sup> Annual Spring Seminar, The Ohio Society of Cytology, Marriot Columbus Northwest, Dublin, OH, March 4-5, 2005
  21. The Biopathology Center. The 2008 Research Retreat – The Research Center at Nationwide Children’s Hospital. The Conference Center at North Pointe. Lewis Center, OH. March 13-14, 2008
  22. The Biopathology Center. Midwest Pediatric Nephrology Consortium Meeting. The Research Institute at Nationwide Children’s Hospital, Columbus, OH. March 14, 2008
  23. The Biopathology Center: The Pediatric Tissue Banking, Procurement, and Distribution Experience. National Cancer Institute/National Institute of Health, Pediatric Oncology Branch Lecture Series. Bethesda, MD, June 5, 2008