



## Megan Troxell

Professor of Pathology

### CLINICAL OFFICE (PRIMARY)

- **Surgical Pathology**

300 Pasteur Dr H2110 MC 5243

Stanford, CA 94305

Tel (650) 723-7211      Fax (650) 725-7409

### Bio

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#### BIO

Dr. Troxell is a Pathologist with special interest in breast pathology, and renal pathology, including medical kidney disease, and kidney transplant. She has been practicing pathology for over 10 years.

#### CLINICAL FOCUS

- Breast Pathology
- Renal Pathology
- Transplant Pathology
- Anatomic and Clinical Pathology

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Pathology

#### ADMINISTRATIVE APPOINTMENTS

- Co-director, Surgical Pathology, (2023- present)
- Co-Director, Stanford Immunodiagnosis Laboratory, (2018- present)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board of Directors, International Society for Immunohistochemistry and Molecular Morphology (2019 - present)
- Editorial Board, Modern Pathology (2023 - present)

#### PROFESSIONAL EDUCATION

- MD/PhD, Stanford University (2000)
- Residency, Stanford University , Anatomic Pathology
- Fellowships, Stanford University , Surgical Pathology, Renal & IPOX
- Board Certification, American Board of Pathology , Anatomic Pathology (2004)

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Breast pathology, renal pathology, transplant pathology, immunohistochemistry

### Publications

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#### PUBLICATIONS

- **Antibrush Border Antibody Disease: A Case Series** *KIDNEY MEDICINE*  
Pengshung, M., Charu, V., Troxell, M. L., Akilesh, S., Smith, K. D., Jefferson, J.  
2024; 6 (7)
- **Infection-Related Glomerulonephritis with Cutaneous Vasculitis.** *Clinical journal of the American Society of Nephrology : CJASN*  
Gedallovich, J., Mohty, R. M., Kasimova, K., Lu, Z., Charu, V., Higgins Jp, J. P., Kambham, N., Kung, V. L., Troxell, M. L.  
2024
- **Characteristics and Outcomes of NELL1 Membranous Nephropathy in Lipoic Acid Users and Nonusers.** *Kidney international reports*  
Avasare, R. S., Clark, S., Spain, R. I., Wusirika, R., Rope, R., Gurley, S., Stanaway, M., Sekulic, M., Santoriello, D., Bomback, A. S., Canetta, P., Iyer, S. J., Kung, et al  
2024; 9 (5): 1379-1386
- **The Histopathologic Features of Early COVID Pneumonia in a Pediatric Patient: New Insight into the Role of Macrophages** *INTERNATIONAL JOURNAL OF SURGICAL PATHOLOGY*  
Bulterys, P. L., Xu, G., Pinsky, B. A., Troxell, M. L., Menke, J. R., Berry, G. J., Fernandez-Pol, S., Hazard, F. K.  
2024
- **Principles of Analytic Validation of Immunohistochemical Assays: Guideline Update.** *Archives of pathology & laboratory medicine*  
Goldsmith, J. D., Troxell, M. L., Roy-Chowdhuri, S., Colasacco, C. F., Edgerton, M. E., Fitzgibbons, P. L., Fulton, R., Haas, T., Kandalaf, P. L., Kalicanin, T., Lacchetti, C., Loykasek, P., Thomas, et al  
2024
- **AA amyloidosis With Ig-Dominant Staining and Diagnostically Unusual Features.** *Kidney international reports*  
Andeen, N. K., DiFranza, L., Kung, V. L., Henriksen, K., Gupta, R., Dinesh, K., Akilesh, S., Kudose, S., Smith, K. D., Troxell, M. L.  
2024; 9 (1): 162-170
- **Non-full house membranous lupus nephritis represents a clinically distinct subset.** *Kidney360*  
Ye, J., Croom, N., Troxell, M. L., Kambham, N., Zuckerman, J. E., Andeen, N., Dall'Era, M., Hsu, R., Walavalkar, V., Laszik, Z. G., Urisman, A.  
2023
- **Thrombotic Microangiopathic Changes in Kidney Biopsies of Childhood-Onset Systemic Lupus Erythematosus Patients with and Without Severe Hematologic Disturbances**  
Tsin, C., Troxell, M., Charu, V., Lu, R., Hsu, J.  
WILEY.2023: 27-28
- **Comprehensive Immunohistochemical Analysis of Metaplastic Breast Carcinoma Subtypes**  
Krings, G., Bean, G., Schwartz, C., Shamir, E., Gao, G., Troxell, M., Chen, Y.  
ELSEVIER SCIENCE INC.2023: S159-S160
- **Genetic and Immunohistochemical Characterization of Mammary Hidradenoma and Comparison to Mucoepidermoid Carcinoma**  
Black, M., Najjar, S., Wang, A., Troxell, M., Vohra, P., Gasper, C., Krings, G., Chen, Y., Bean, G.  
ELSEVIER SCIENCE INC.2023: S103-S104
- **Digital Image Analysis and Quantitative Bead Standards in Root Cause Analysis of Immunohistochemical Staining Variability: A Real-world Example.** *Applied immunohistochemistry & molecular morphology : AIMM*  
Rojansky, R., Sompuram, S. R., Gomulia, E., Natkunam, Y., Troxell, M. L., Fernandez-Pol, S.  
2022
- **Clinicopathologic features of non-lupus membranous nephropathy in a pediatric population.** *Pediatric nephrology (Berlin, Germany)*

- Miller, P., Lei, L., Charu, V., Higgins, J., Troxell, M., Kambham, N.  
2022
- **A Diverse Spectrum of Immune Complex-and Complement-Mediated Kidney Diseases Is Associated With Mantle Cell Lymphoma.** *Kidney international reports*  
Andeen, N. K., Abdulameer, S., Charu, V., Zuckerman, J. E., Troxell, M., Kambham, N., Alpers, C. E., Najafian, B., Nicosia, R. F., Smith, K. D., Kung, V. L., Avasare, R. S., Vallurupalli, et al  
2022; 7 (3): 568-579
  - **Neoadjuvant Therapy in Breast Cancer: Histologic Changes and Clinical Implications.** *Surgical pathology clinics*  
Troxell, M. L., Gupta, T.  
2022; 15 (1): 57-75
  - **Pathology findings in pediatric patients with COVID-19 and kidney dysfunction.** *Pediatric nephrology (Berlin, Germany)*  
Nomura, E., Finn, L. S., Bauer, A., Rozansky, D., Iragorri, S., Jenkins, R., Al-Uzri, A., Richardson, K., Wright, M., Kung, V. L., Troxell, M. L., Andeen, N. K.  
2022
  - **Immune imprinting, breadth of variant recognition, and germinal center response in human SARS-CoV-2 infection and vaccination.** *Cell*  
Röltgen, K., Nielsen, S. C., Silva, O., Younes, S. F., Zaslavsky, M., Costales, C., Yang, F., Wirz, O. F., Solis, D., Hoh, R. A., Wang, A., Arunachalam, P. S., Colburg, et al  
2022
  - **Nodular fasciitis of the breast: clinicopathologic and molecular characterization with identification of novel USP6 fusion partners.** *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*  
Cloutier, J. M., Kunder, C. A., Charville, G. W., Hosfield, E. M., Garcia, J. J., Brown, R. A., Troxell, M. L., Allison, K. H., Bean, G. R.  
2021
  - **One Hundred Years of the Pathology Medical Student Fellowship.** *Archives of pathology & laboratory medicine*  
Hammer, P., Ireland, K., Houghton, D. C., Jaggars, A., Coleman, A., Snir, O. L., Troxell, M. L., Andeen, N. K.  
2021
  - **Histologic Case Definition of an Atypical Glomerular Immune-Complex Deposition Following Kidney Transplantation.** *Kidney international reports*  
Chin, K., Charu, V., O'Shaughnessy, M. M., Troxell, M. L., Cheng, X. S.  
2020; 5 (5): 632-42
  - **Myelin bodies in LMX1B-associated nephropathy: potential for misdiagnosis.** *Pediatric nephrology (Berlin, Germany)*  
Lei, L., Oh, G., Sutherland, S., Abra, G., Higgins, J., Sibley, R., Troxell, M., Kambham, N.  
2020
  - **Primary mammary angiosarcomas harbor frequent mutations in KDR and PIK3CA and show evidence of distinct pathogenesis.** *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*  
Beca, F., Krings, G., Chen, Y., Hosfield, E. M., Vohra, P., Sibley, R. K., Troxell, M. L., West, R. B., Allison, K. H., Bean, G. R.  
2020
  - **Progression of Proliferative Glomerulonephritis with Monoclonal IgG Deposits in Pediatric Patients**  
Miller, P., Xiao, A., Kung, V., Sibley, R., Higgins, J., Kambham, N., Charu, V., Lenihan, C., Talley, E., Walavalkar, V., Laszik, G., Arora, N., Nast, et al  
NATURE PUBLISHING GROUP.2020: 1589-90
  - **Optimization and Cost Savings with Reduction of Negative Immunohistochemical Reagent Controls**  
Scapa, J., Troxell, M., Fernandez-Pol, S., Natkunam, Y.  
NATURE PUBLISHING GROUP.2020: 1899
  - **Molecular Characterization of Metanephric Adenomas Beyond BRAF: Genetic Evidence for Potential Malignant Evolution.** *Histopathology*  
Chan, E., Stohr, B. A., Croom, N. A., Cho, S., Garg, K., Troxell, M. L., Higgins, J. P., Bean, G. R.  
2020
  - **HER2 Dual In Situ Hybridization: Correlations and Cautions.** *Archives of pathology & laboratory medicine*  
Troxell, M. n., Sibley, R. K., West, R. B., Bean, G. R., Allison, K. H.  
2020

- **A co-formulation of supramolecularly stabilized insulin and pramlintide enhances mealtime glucagon suppression in diabetic pigs.** *Nature biomedical engineering*  
Maikawa, C. L., Smith, A. A., Zou, L. n., Roth, G. A., Gale, E. C., Stapleton, L. M., Baker, S. W., Mann, J. L., Yu, A. C., Correa, S. n., Grosskopf, A. K., Liong, C. S., Meis, et al  
2020
- **Membranous nephropathy in patients with HIV: a report of 11 cases.** *BMC nephrology*  
Charu, V. n., Andeen, N. n., Walavalkar, V. n., Lapasia, J. n., Kim, J. Y., Lin, A. n., Sibley, R. n., Higgins, J. n., Troxell, M. n., Kambham, N. n.  
2020; 21 (1): 401
- **Progression of proliferative glomerulonephritis with monoclonal IgG deposits in pediatric patients.** *Pediatric nephrology (Berlin, Germany)*  
Miller, P. n., Xiao, A. Y., Kung, V. L., Sibley, R. K., Higgins, J. P., Kambham, N. n., Charu, V. n., Lenihan, C. n., Uber, A. M., Talley, E. M., Arora, N. n., Walavalkar, V. n., Laszik, et al  
2020
- **Multicenter Clinicopathologic Correlation of Kidney Biopsies Performed in COVID-19 Patients Presenting With Acute Kidney Injury or Proteinuria.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*  
Akilesh, S. n., Nast, C. C., Yamashita, M. n., Henriksen, K. n., Charu, V. n., Troxell, M. L., Kambham, N. n., Bracamonte, E. n., Houghton, D. n., Ahmed, N. I., Chong, C. C., Thajudeen, B. n., Rehman, et al  
2020
- **Fibrillary Glomerulonephritis: Clinicopathologic Features and Atypical Cases from a Multi-Institutional Cohort** *CLINICAL JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*  
Andeen, N. K., Troxell, M. L., Riaz, M., Avasare, R. S., Lapasia, J., Jefferson, J., Akilesh, S., Najafian, B., Nicosia, R. F., Alpers, C. E., Smith, K. D.  
2019; 14 (12): 1741–50
- **A review of non-immune mediated kidney disease in systemic lupus erythematosus: A hypothetical model of putative risk factors.** *Seminars in arthritis and rheumatism*  
Falasinnu, T., O'Shaughnessy, M. M., Troxell, M. L., Charu, V., Weisman, M. H., Simard, J. F.  
2019
- **Rosai-Dorfman Disease of the Breast With Variable IgG4+ Plasma Cells: A Diagnostic Mimicker of Other Malignant and Reactive Entities.** *The American journal of surgical pathology*  
Hoffmann, J. C., Lin, C., Bhattacharyya, S., Weinberg, O. K., Chisholm, K. M., Bayerl, M., Cascio, M., Venkataraman, G., Allison, K., Troxell, M., Chang, C., Bagg, A., George, et al  
2019
- **Ultrasound Assessment of Acute Kidney Injury** *ULTRASOUND QUARTERLY*  
Kelahan, L. C., Desser, T. S., Troxell, M. L., Kamaya, A.  
2019; 35 (2): 173–80
- **Collapsing glomerulopathy in older adults** *MODERN PATHOLOGY*  
Kukull, B., Avasare, R. S., Smith, K. D., Houghton, D. C., Troxell, M. L., Andeen, N. K.  
2019; 32 (4): 532–38
- **Predictive Markers Require Thorough Analytic Validation.** *Archives of pathology & laboratory medicine*  
Troxell, M. L., Fulton, R. S., Swanson, P. E., Bellizzi, A. M., Fitzgibbons, P. L., Ambaye, A. B., Haas, T. S., Goldsmith, J. D., Loykasek, P. A., Miller, D. V., O'Malley, D. n., Qiu, J. n., Salama, et al  
2019; 143 (8): 907–9
- **Genomic landscape of ductal carcinoma in situ and association with progression.** *Breast cancer research and treatment*  
Lin, C. Y., Vennam, S. n., Purington, N. n., Lin, E. n., Varma, S. n., Han, S. n., Desa, M. n., Seto, T. n., Wang, N. J., Stehr, H. n., Troxell, M. L., Kurian, A. W., West, et al  
2019
- **Bladder cancer and its mimics: a sonographic pictorial review with CT/MR and histologic correlation.** *Abdominal radiology (New York)*  
Wentland, A. L., Desser, T. S., Troxell, M. L., Kamaya, A. n.  
2019
- **Kidney Biopsy Adequacy A Metric-based Study** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*  
Ferrer, G., Andeen, N. K., Lockridge, J., Norman, D., Foster, B. R., Houghton, D. C., Troxell, M. L.

2019; 43 (1): 84–92

- **Methotrexate in the Treatment of Idiopathic Granulomatous Mastitis.** *The Journal of rheumatology*  
Postolova, A. n., Troxell, M. L., Wapnir, I. L., Genovese, M. C.  
2019
- **A Case Report of Pediatric Clear Cell Carcinoma of the Urinary Bladder Associated With Polyomavirus** *AJSP-REVIEWS AND REPORTS*  
Saleem, A., Brown, R. A., Higgins, J. T., Troxell, M. L., Kunder, C. A., Pinsky, B. A., Zambrano, E., Kao, C.  
2018; 23 (6): 291–95
- **IgA-dominant glomerulonephritis with a membranoproliferative pattern of injury.** *Human pathology*  
Andeen, N. K., Jefferson, J. A., Akilesh, S., Alpers, C. E., Bissonnette, M. L., Finn, L. S., Higgins, J., Houghton, D. C., Kambham, N., Magil, A., Najafian, B., Nicosia, R. F., Troxell, et al  
2018; 81: 272–80
- **Thrombotic microangiopathy with intraglomerular IgM pseudothrombi in Waldenstrom macroglobulinemia and IgM monoclonal gammopathy.** *Journal of nephrology*  
Tan, S. Y., Sibley, R. K., Belani, S., Iwasaki, S., Yankulin, L., Jonelis, T., Higgins, J. P., Kambham, N., Troxell, M. L.  
2018
- **Collapsing glomerulopathy in older adults.** *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*  
Kukull, B., Avasare, R. S., Smith, K. D., Houghton, D. C., Troxell, M. L., Andeen, N. K.  
2018
- **"Atrophic Kidney"-like Lesion: Clinicopathologic Series of 8 Cases Supporting a Benign Entity Distinct From Thyroid-like Follicular Carcinoma.** *The American journal of surgical pathology*  
Herlitz, L., Hes, O., Michal, M., Tretiakova, M., Reyes-Mugica, M., Nguyen, J. K., Troxell, M. L., Przybycin, C. G., Magi-Galluzzi, C., McKenney, J. K.  
2018
- **Ultrasound Assessment of Acute Kidney Injury.** *Ultrasound quarterly*  
Kelahan, L. C., Desser, T. S., Troxell, M. L., Kamaya, A. n.  
2018
- **Comparison of Estrogen and Progesterone Receptor Antibody Reagents Using Proficiency Testing Data** *ARCHIVES OF PATHOLOGY & LABORATORY MEDICINE*  
Troxell, M. L., Long, T., Hornick, J. L., Ambaye, A. B., Jensen, K. C.  
2017; 141 (10): 1402–12
- **Merkel cell carcinoma, melanoma, metastatic mimics of breast cancer** *SEMINARS IN DIAGNOSTIC PATHOLOGY*  
Troxell, M. L.  
2017; 34 (5): 479–95
- **TdT-positive Infiltrate in Inflamed Pediatric Kidney: A Potential Diagnostic Pitfall.** *American journal of surgical pathology*  
Dunlap, J. B., Cascio, M. J., Stacey, X., Click, S., Troxell, M. L.  
2017
- **'Non-classical' HER2 FISH results in breast cancer: a multi-institutional study** *MODERN PATHOLOGY*  
Ballard, M., Jalikis, F., Krings, G., Schmidt, R. A., Chen, Y., Rendi, M. H., Dintzis, S. M., Jensen, K. C., West, R. B., Sibley, R. K., Troxell, M. L., Allison, K. H.  
2017; 30 (2): 227-235
- **HER2 Testing and Clinical Decision Making in Gastroesophageal Adenocarcinoma Guideline From the College of American Pathologists, American Society for Clinical Pathology, and American Society of Clinical Oncology** *ARCHIVES OF PATHOLOGY & LABORATORY MEDICINE*  
Bartley, A. N., Washington, M. K., Ventura, C. B., Ismaila, N., Colasacco, C., Benson, A. B., Carrato, A., Gulley, M. L., Jain, D., Kakar, S., Mackay, H. J., Streutker, C., Tang, et al  
2016; 140 (12): 1345-1363
- **Renal cell carcinoma in kidney allografts: histologic types, including biphasic papillary carcinoma.** *Human pathology*  
Troxell, M. L., Higgins, J. P.  
2016; 57: 28-36

- **Multiplexed imaging reveals heterogeneity of PI3K/MAPK network signaling in breast lesions of known PIK3CA genotype.** *Breast cancer research and treatment*  
Jacob, T., Gray, J. W., Troxell, M., Vu, T. Q.  
2016; 159 (3): 575-583
- **Practical Applications in Immunohistochemistry Evaluation of Rejection and Infection in Organ Transplantation** *ARCHIVES OF PATHOLOGY & LABORATORY MEDICINE*  
Troxell, M. L., Lanciault, C.  
2016; 140 (9): 910-925
- **Myoepithelial cells in lobular carcinoma in situ: distribution and immunophenotype.** *Human pathology*  
Wang, Y., Jindal, S., Martel, M., Wu, Y., Schedin, P., Troxell, M.  
2016; 55: 126-134
- **Antineoplastic Treatment and Renal Injury: An Update on Renal Pathology Due to Cytotoxic and Targeted Therapies.** *Advances in anatomic pathology*  
Troxell, M. L., Higgins, J. P., Kambham, N.  
2016; 23 (5): 310-329
- **Allograft pancreas: pale acinar nodules** *HUMAN PATHOLOGY*  
Troxell, M. L., Drachenberg, C.  
2016; 54: 127-133
- **Renal pathology in hematopoietic cell transplant recipients: a contemporary biopsy, nephrectomy, and autopsy series** *MODERN PATHOLOGY*  
Brinkerhoff, B. T., Houghton, D. C., Troxell, M. L.  
2016; 29 (6): 637-652
- **Cystic Neutrophilic Granulomatous Mastitis Association With Gram-Positive Bacilli and Corynebacterium** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*  
Troxell, M. L., Gordon, N. T., Doggett, J. S., Ballard, M., Vetto, J. T., Pommier, R. F., Naik, A. M.  
2016; 145 (5): 635-645
- **Atypical anti-glomerular basement membrane disease.** *Clinical kidney journal*  
Troxell, M. L., Houghton, D. C.  
2016; 9 (2): 211-221
- **Polyomavirus large T antigen is prevalent in urothelial carcinoma post-kidney transplant** *HUMAN PATHOLOGY*  
Yan, L., Salama, M. E., Lanciault, C., Matsumura, L., Troxell, M. L.  
2016; 48: 122-131
- **Myoepithelial Cell Differentiation Markers in Ductal Carcinoma in Situ Progression** *AMERICAN JOURNAL OF PATHOLOGY*  
Russell, T. D., Jindal, S., Agunbiade, S., Gao, D., Troxell, M., Borges, V. F., Schedin, P.  
2015; 185 (11): 3076-3089
- **The New Equivocal Changes to HER2 FISH Results When Applying the 2013 ASCO/CAP Guidelines** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*  
Long, T. H., Lawce, H., Durum, C., Moore, S. R., Olson, S. B., Gatter, K., Troxell, M. L.  
2015; 144 (2): 253-262
- **Glomerular Endothelial Vesicles in a Renal Allograft An Unusual Pattern of Immunoglobulin Deposition in a Patient With Biclinal Gammopathy of Unknown Significance** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*  
Flatley, E. M., Segal, G. M., Batiuk, T. D., Bennett, W. M., Houghton, D. C., Troxell, M. L.  
2015; 39 (6): 864-869
- **Novel mutations in neuroendocrine carcinoma of the breast: possible therapeutic targets.** *Applied immunohistochemistry & molecular morphology*  
Ang, D., Ballard, M., Beadling, C., Warrick, A., Schilling, A., O'Gara, R., Pukay, M., Neff, T. L., West, R. B., Corless, C. L., Troxell, M. L.  
2015; 23 (2): 97-103
- **Androgen receptor immunohistochemistry in genitourinary neoplasms** *INTERNATIONAL UROLOGY AND NEPHROLOGY*

- Williams, E. M., Higgins, J. P., Sangoi, A. R., McKenney, J. K., Troxell, M. L.  
2015; 47 (1): 81-85
- **Tuberous Sclerosis-associated Renal Cell Carcinoma A Clinicopathologic Study of 57 Separate Carcinomas in 18 Patients** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*  
Guo, J., Tretiakova, M. S., Troxell, M. L., Osunkoya, A. O., Fadare, O., Sangoi, A. R., Shen, S. S., Lopez-Beltran, A., Mehra, R., Heider, A., Higgins, J. P., Harik, L. R., Leroy, et al  
2014; 38 (11): 1457-1467
  - **Renal pathology associated with hematopoietic stem cell transplantation.** *Advances in anatomic pathology*  
Troxell, M. L., Higgins, J. P., Kambham, N.  
2014; 21 (5): 330-340
  - **Hematopoietic stem cell transplantation: graft versus host disease and pathology of gastrointestinal tract, liver, and lung.** *Advances in anatomic pathology*  
Kambham, N., Higgins, J. P., Sundram, U., Troxell, M. L.  
2014; 21 (5): 301-320
  - **Utility of Immunohistochemical Markers in Irradiated Breast Tissue An Analysis of the Role of Myoepithelial Markers, p53, and Ki-67** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*  
Anderson, K., Williams, E. M., Kaplan, J., Matsumura, L., Troxell, M. L.  
2014; 38 (8): 1128-1137
  - **Frequent phosphatidylinositol-3-kinase mutations in proliferative breast lesions** *MODERN PATHOLOGY*  
Ang, D. C., Warrick, A. L., Shilling, A., Beadling, C., Corless, C. L., Troxell, M. L.  
2014; 27 (5): 740-750
  - **Membranous glomerulonephritis with crescents** *INTERNATIONAL UROLOGY AND NEPHROLOGY*  
Barrett, C. M., Troxell, M. L., Larsen, C. P., Houghton, D. C.  
2014; 46 (5): 963-971
  - **Frequent PIK3CA Mutations in Radial Scars** *DIAGNOSTIC MOLECULAR PATHOLOGY*  
Wolters, K. L., Ang, D., Warrick, A., Beadling, C., Corless, C. L., Troxell, M. L.  
2013; 22 (4): 210-214
  - **Light Chain Renal Amyloidosis With Prominent Giant Cells** *AMERICAN JOURNAL OF KIDNEY DISEASES*  
Troxell, M. L., Griffiths, R., Schnadig, I., Houghton, D. C.  
2013; 62 (6): 1193-1197
  - **Evolution of immunoglobulin deposition in C3-dominant membranoproliferative glomerulopathy** *PEDIATRIC NEPHROLOGY*  
Kerns, E., Rozansky, D., Troxell, M. L.  
2013; 28 (11): 2227-2231
  - **PIK3CA-AKT pathway mutations in micropapillary breast carcinoma** *HUMAN PATHOLOGY*  
Flatley, E., Ang, D., Warrick, A., Beadling, C., Corless, C. L., Troxell, M. L.  
2013; 44 (7): 1320-1327
  - **Novel Method for PIK3CA Mutation Analysis Locked Nucleic Acid-PCR Sequencing** *JOURNAL OF MOLECULAR DIAGNOSTICS*  
Ang, D., O'Gara, R., Schilling, A., Beadling, C., Warrick, A., Troxell, M. L., Corless, C. L.  
2013; 15 (3): 312-318
  - **Enteric Oxalate Nephropathy in the Renal Allograft: An Underrecognized Complication of Bariatric Surgery** *AMERICAN JOURNAL OF TRANSPLANTATION*  
Troxell, M. L., HOUGHTON, D. C., Hawkey, M., Batiuk, T. D., Bennett, W. M.  
2013; 13 (2): 501-509
  - **Mucinous breast carcinomas lack PIK3CA and AKT1 mutations** *HUMAN PATHOLOGY*  
Kehr, E. L., Jorns, J. M., Ang, D., Warrick, A., Neff, T., Degnin, M., Lewis, R., Beadling, C., Corless, C. L., Troxell, M. L.  
2012; 43 (12): 2207-2212
  - **Phosphatidylinositol-3-kinase pathway mutations are common in breast columnar cell lesions** *MODERN PATHOLOGY*

Troxell, M. L., Brunner, A. L., Neff, T., Warrick, A., Beadling, C., Montgomery, K., Zhu, S., Corless, C. L., West, R. B.  
2012; 25 (7): 930-937

- **Patterns of IgG Subclass Deposits in Membranous Glomerulonephritis in Renal Allografts** *TRANSPLANTATION PROCEEDINGS*  
Kearney, N., Podolak, J., Matsumura, L., Houghton, D., Troxell, M.  
2011; 43 (10): 3743-3746
- **An abundance of IgG4+plasma cells is not specific for IgG4-related tubulointerstitial nephritis** *MODERN PATHOLOGY*  
Houghton, D. C., Troxell, M. L.  
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