Nephropathology
Delivering Superior Quality with a Personalized Touch

Quality

• Comprehensive clinical-pathologic correlations
• Photomicrographic documentation included on every report (9-12 images)
• Thorough EM screening, capturing an average of 40-50 EM images
• All reports include assessment of biopsy adequacy and chronicity

Services

• Full complement of ancillary tests
• Readily available access to nephropathology team
• Comprehensive reporting by fax, web portal and EMR
• Verbal preliminary findings within 24 hours
• Final report within 48-72 hours

Experience

• Dedicated nephropathology center for medical renal disease since 1999
• Board-certified pathologists with nephropathology fellowship training from leading institutions
• Our five nephropathologists have more than 90 years of combined experience in nephropathology
Nephropathologist Spotlight

Peter Kolbeck, M.D.
*Medical Director, PathLogic and Nephropathologist*

Dr. Kolbeck is PathLogic’s Medical Director and has over 30 years of experience in Nephropathology. He founded PathLogic in 1999, after spending five years in practice with a large private pathology group in Sacramento, where he served as Director of Renal Biopsy and Electron Microscopy Lab Services. He is past-president of the California Society of Pathologists, has been active in academic research, teaching, and clinical service at three different major university medical centers (Duke, University of Nebraska, and University of California, Davis), and has written for many publications, including research papers, and book chapters on nephropathology. He has presented on various aspects of renal and transplant pathology at more than twenty national and international scientific venues. Dr. Kolbeck received his medical degree from Emory University, and completed his post-graduate education in anatomical pathology and immunopathology at Duke University Medical Center in Durham, North Carolina. He is board certified in Anatomic Pathology by the American Board of Pathology.

John SJ Lee, M.D.
*Nephropathologist*

Dr. Lee has 5 years of experience in Nephropathology and began working with the PathLogic nephropathology team in 2016. He also serves as the Director of Nephropathology/Electron Microscopy and the Radiation Safety Officer at Pacific Rim Pathology. Dr. Lee received his medical degree from University of Hawaii and completed his pathology residency and fellowship at the University of California, San Diego Medical Center, where he was Chief Resident. Dr. Lee has published several research papers on various aspects of surgical pathology and is board certified in Anatomic and Clinical Pathology by the American Board of Pathology.

Shane M. Meehan, M.D.
*Nephropathologist*

Dr. Meehan has 20 years of experience in Nephropathology and began working with PathLogic in 2016. He also serves as a Nephropathologist at Pacific Rim Pathology and Sharp Memorial Hospital in San Diego, California. He graduated from the National University of Ireland, Dublin, and subsequently served as a Nephrology Resident at Meath Hospital and Anatomic Pathology Resident at Mater Hospital, both in Dublin, Ireland. He relocated to the U.S. and became Chief Resident in Pathology at Massachusetts General Hospital in Boston, Massachusetts where he also completed a fellowship in Nephropathology. From 1996 to 2014, Dr. Meehan held academic appointments in the department of Pathology at the University of Chicago. During this period, he advanced from assistant professor to full professor and became Director of Renal Pathology as well as the Director of the fellowship program in Renal Pathology. He has written or contributed to more than 70 publications on nephropathology, including articles, book chapters, reviews and case studies. Dr. Meehan is board certified in Anatomic Pathology by the American Board of Pathology.
Nephropathologist Spotlight (Continued)

David Brian Thomas, M.D.
Nephropathologist

Dr. Thomas began working with PathLogic in 2016. He has over 20 years of experience in Nephropathology and currently is Professor of Pathology for the Miller School of Medicine at the University of Miami. In addition to serving as a practicing pathologist, Dr. Thomas has previously served in academic appointments at University of North Carolina, Albert Einstein College of Medicine, Montefiore Medical Center, and as visiting faculty at NYU Medical School. He received his medical degree from the Brody School of Medicine at East Carolina University, and completed his pathology residency and nephropathology fellowship at the University of North Carolina Hospitals. Dr. Thomas has written multiple book chapters and published 4 dozen peer-reviewed papers most related to nephropathology. He has also contributed as a co-investigator on more than a dozen nephropathology research grants and has lectured at numerous nephropathology conferences and seminars. Dr. Thomas is board certified in Anatomic and Clinical Pathology by the American Board of Pathology.

Katherine Unger, M.D.
Nephropathologist

Dr. Unger has over 14 years of experience in Nephropathology working with PathLogic in West Sacramento, California since 2002. She earned her medical degree from Wake Forest University in Winston-Salem, North Carolina, and completed her residency in Anatomic and Clinical Pathology at the University of California, Davis, where she also was Chief Resident. She then completed a fellowship in Hematopathology at the University of California, Davis, followed by a renal pathology fellowship at PathLogic. Dr. Unger is board certified in Anatomic and Clinical Pathology and holds a subspecialty certification in Hematopathology from the American Board of Pathology.
Renal Biopsies

Specimen Collection for Ideal Diagnostic Value

- Obtaining 2-3 cores, measuring 12-15 mm each, increases the amount of cortex and glomeruli for evaluation
- Utilize lighted dissecting microscope of 10x or higher to help qualify tissue for glomeruli count
- Glomeruli appear as small red spheres. Red striations indicate medulla
- Section tissue into approximate 3-4 mm pieces that include at least one glomeruli
- 7 glomeruli per vial is ideal
- Attempt to have a section of each core in every vial
- Never allow tissue to dry out. If there is a delay, keep on saline moistened gauze, but never fully submerge in saline or water

Supplies and Transportation

The PathLogic Client Services team can be reached at 866.863.1496 to coordinate all client needs.

- Schedule specimen pick up
- Order Renal Biopsy kits
- Order Requisition Forms
- Request additional tests
- All other questions and requests

Best order of vial preparation to prevent cross contamination

- Immunofluorescence
  - Michel’s/Zeus fixative
- Electron Microscopy
  - 3% Glutaraldehyde
- Light Microscopy
  - Formalin fixative

- Orange Vial
  - 3-4 mm core tissue
  - Do not cross contaminate with other fixatives
- Green Vial
  - 1-3 mm core tissue
  - Fixes quickly
  - Keep vial refrigerated prior to procedure
- Yellow Vial
  - 3-4 mm core tissue
  - Best vial for extra medulla