



**THE OHIO STATE
UNIVERSITY**

WEXNER MEDICAL CENTER

**Instructions for submission of renal biopsy samples to
The Ohio State University Wexner Medical Center, Department of Pathology
Renal Pathology - Anjali Satoskar, M.D., Division Director**

Services provided:

1. **Preliminary findings** based on light and immunofluorescence microscopy will be reported to the submitting physician by phone the **day after the renal biopsy was received**. If requested, and if the biopsy arrives with the morning delivery, a same-day STAT processing is possible. Such STAT requests should be made by calling the Renal Pathology Laboratory before the arrival of the specimen.
2. **Final results**, including electron microscopy, will be faxed to the submitting physician usually the afternoon of **the next working day** following the receipt of the specimen. The faxed report will serve as your patient medical record copy.
3. The Renal Pathology Laboratory at OSU is now fully **digitalized**. If desired, light microscopy, immunofluorescence, and electron microscopy **images** on the renal biopsies can be e-mailed to the submitting physicians as a **PowerPoint presentation**.
4. If the submitting institution is within easy driving distance (Central Ohio), Dr Satoskar can provide **regular renal biopsy conferences** if requested.

Procedures for submitting renal biopsies (use of a 16 gauge needle is preferred):

Native kidney biopsies

If a dissecting microscope is available, ensure the presence of glomeruli in all pieces and submit the biopsy in two vials as follows: One piece (preferably the larger) is submitted in 10% buffered formalin and one piece is submitted in transport media. If no dissecting microscope is available, submit the larger biopsy piece in formalin for light microscopy and electron microscopy (EM) and the smaller piece in transport media for immunofluorescence (IF). We will further divide the formalin-fixed piece for electron microscopy and light microscopy. **10% buffered formalin provides acceptable fixation for routine diagnostic electron microscopy on renal biopsies.**

Transplant kidney biopsies

1. We are routinely using indirect immunofluorescence with a primary antibody to C4d to diagnose humoral rejection. Peritubular capillary C4d deposition is a sensitive marker of a humoral immune reaction in the graft. For this method, we need a small piece of tissue submitted in transport medium for IF. This piece can be only a few millimeters long because peritubular capillaries are abundant everywhere, even in the medulla. The remaining piece of the specimen can be submitted in formalin.
2. If the suspicion of recurrent or de novo glomerular disease exists, the specimen should be submitted using the same procedures as outlined above for a **native kidney biopsy (see above)**.

Shipping Instructions:

1. Samples referred to OSU for Renal Pathology service must be sent with a complete **signed** test requisition (see attached). All samples must be labeled with patient's first name, last name, date of birth, MRN, and date of collection. Each patient should have a separate transport bag that is packaged with the request form in the paperwork pocket and specimen vials in the sample (sealed) pocket (to prevent leakage during transport). Shipping on ice (or with a cold pack) is not necessary. **Please notify the Renal Laboratory if a biopsy is sent and to provide the tracking number.**
2. Individual specimen bags should be placed in the appropriate outer lab pak, **sealed**, and shipped using one of our pre-addressed air bills to:

OSU Wexner Medical Center
Renal Pathology/Dr. Anjali Satoskar
333 W. 10th Ave.
B073 Graves Hall
Columbus, OH 43210
Phone # (614) 293-9258
Email: anjali.satoskar@osumc.edu

3. If Saturday delivery is necessary, please call the Renal Pathology Laboratory at 614-293-9258 to request a Saturday Delivery air bill. This will need to be emailed/faxed to you.
4. To order supplies necessary to send samples to us, please call The Ohio State University Renal Pathology Laboratory at 614-293-9258. Please plan ahead; shipment of supplies may take up to five (5) working days. Formalin and transport media vials can be kept at room temperature. Do not use transport media if precipitate is visible.
5. Final results will be faxed to your facility at the secure fax number that you provide to us when establishing your account. The faxed report will serve as your patient medical record copy.
6. Questions concerning specimen handling and results should be directed to Dr. Anjali Satoskar's office at 614-293-9258.

If you would like information regarding patient or third-party billing options, please contact the office at 614-293-0358 or via email at dawn.gullifer@osumc.edu