

## Renal biopsy checklist

Before the procedure

Caspian Healthcare · 10-3-761/8, Opp. Post Office, Vijay Nagar Colony, Hyderabad 500057. ·  
+91 89193 41154



Scan to open a blank  
form

|                                           |                         |
|-------------------------------------------|-------------------------|
| Patient's name _____                      | Date _____              |
| Hospital number _____                     | Ward and bed _____      |
| Nephrologist Dr. Praveen Kumar Etta _____ | Biopsy planned at _____ |

### Reports to check

- ☐ CBP (complete blood picture)
- ☐ PT-INR
- ☐ APTT
- ☐ Triple viral markers: HBsAg, anti-HCV, HIV
- ☐ Blood group

|                   |                      |                     |
|-------------------|----------------------|---------------------|
| Haemoglobin _____ | Platelet count _____ | PT-INR _____        |
| APTT _____        | Blood group _____    | Viral markers _____ |

### Papers

- ☐ Informed consent taken from the patient on the specific biopsy consent form (consent for renal biopsy)
- ☐ Renal biopsy histopathology requisition form filled (requisition form)

### Keep ready at the bedside

- ☐ Biopsy gun: 18 G size needle (pink) is preferred. 16 G (purple) gun if advised specifically
- ☐ One surgical blade no. 11
- ☐ Dressing set with Dynaplast tape
- ☐ Betadine 10% solution and Sterillium solution
- ☐ Sample collection bottles, separately for LM and IF
- ☐ One pair of sterile surgical gloves, size 7
- ☐ One 2% Xylocaine jelly
- ☐ One 2% Xylocaine injection vial
- ☐ One 10 cc syringe and one 2 cc syringe
- ☐ Ultrasound machine at the bedside

### Vitals

- ☐ Vitals checked frequently. BP is stable at the time of biopsy

|                                |             |
|--------------------------------|-------------|
| BP at the time of biopsy _____ | Pulse _____ |
|--------------------------------|-------------|

Checked by: name and signature \_\_\_\_\_

Date and time \_\_\_\_\_

#### Dr. PRAVEEN KUMAR ETTA

MBBS (KMC), MD (OSM), DM (SGPGI), Former Assistant Professor (PIMS), MCN (UK), Editorial Fellow (IJOT), Editor (Kidney Digest), ECM (HNF)  
Senior Consultant Nephrologist; Mobile: 9454035398

## Consent for renal biopsy

To be signed before the procedure

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Patient's name \_\_\_\_\_

Date \_\_\_\_\_

Age \_\_\_\_\_

Sex

☐ Male ☐ Female ☐ Other

Hospital number \_\_\_\_\_

Ward and bed no. \_\_\_\_\_

### What a renal biopsy is

A renal biopsy is a procedure to remove small pieces of kidney tissue that can be examined under a microscope for signs of damage or disease. Though it is a valuable tool to diagnose kidney diseases, it is associated with certain complications.

### Complications of renal biopsy

| Complication                                                                                                                         | How often             |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Microscopic haematuria</b> (blood in the urine, seen only under a microscope)                                                     | 100%                  |
| <b>Gross haematuria</b> (blood in the urine that can be seen)                                                                        | 5 to 9%               |
| <b>Perinephric haematoma</b> (a collection of blood around the kidney)                                                               | 5.0%                  |
| <b>Need of blood transfusion</b>                                                                                                     | 0.1 to 3.0%           |
| <b>Need of angiography or angioembolisation</b> (a scan of the kidney's blood vessels, and a procedure to close the bleeding vessel) | Less than 1%          |
| <b>Need of nephrectomy</b> (removal of the kidney)                                                                                   | Less than 1 in 1,000  |
| <b>Death of the patient</b>                                                                                                          | Less than 1 in 10,000 |

### Consent

I have been explained regarding the procedure and complications of renal biopsy in my own vernacular language, and I hereby give consent for renal biopsy after understanding the pros and cons of it.

Explained in

☐ Telugu ☐ Hindi ☐ Urdu ☐ English

\_\_\_\_\_  
Patient's name and signature

\_\_\_\_\_  
Relative's name and signature

\_\_\_\_\_  
Relation to the patient

\_\_\_\_\_  
Doctor's signature

\_\_\_\_\_  
Date and time

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## Renal biopsy specimen referral form

For native kidneys only

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form

**For native kidneys only. All fields are mandatory.** Write ND for anything not done.

Patient name \_\_\_\_\_ Date \_\_\_\_\_ Date of birth \_\_\_\_\_  
Age \_\_\_\_\_ Sex \_\_\_\_\_ Height (cm) \_\_\_\_\_  
☐ Male ☐ Female ☐ Other  
Weight (kg) \_\_\_\_\_ Phone no. \_\_\_\_\_  
Address \_\_\_\_\_

### Samples sent

Tick each sample sent

☐ Biopsy for LM (in Bouin's or formalin) ☐ Biopsy for IF (in saline or Zeus) ☐ Biopsy for EM (in glutaraldehyde)

1. Biopsy date and time \_\_\_\_\_

2. Previous biopsy

☐ Yes ☐ No

If yes, date and number of the previous biopsy \_\_\_\_\_

### 3. Clinical diagnosis or presentation

### 4. Renal disease or syndrome

AKI or CKD

☐ AKI ☐ CKD

Nephrotic syndrome

☐ Yes ☐ No

Glomerulonephritis

☐ Yes ☐ No

### 5. Medical history, with duration

Hypertension

☐ Yes ☐ No

BP systolic (mm Hg) \_\_\_\_\_

Diabetes

☐ Yes ☐ No

Glycaemic control

☐ Good (Glyc Hb below 7) ☐ Poor (Glyc Hb above 7)

Family history

☐ Yes ☐ No

### 6. Treatment

If yes, write the drugs and the doses.

Antibiotics

☐ Yes ☐ No

Antihypertensive agents

☐ Yes ☐ No

Immunosuppressants

☐ Yes ☐ No

Known duration \_\_\_\_\_

RPRF

☐ Yes ☐ No

Isolated haematuria or proteinuria

☐ Yes ☐ No

Duration of hypertension \_\_\_\_\_

BP diastolic (mm Hg) \_\_\_\_\_

Duration of diabetes \_\_\_\_\_

Family history details \_\_\_\_\_

Antibiotics: drugs and doses \_\_\_\_\_

Antihypertensives: drugs and  
doses \_\_\_\_\_

Immunosuppressants: drugs and  
doses \_\_\_\_\_

Other medications

☐ Yes ☐ No

Other medications: drugs and  
doses

## 7. Laboratory data

Creatinine (mg/dl)

Creatinine clearance  
(ml/min)

Serum albumin

Proteinuria (g/24 h)

or (tick one)

☐ 0 ☐ 1+ ☐ 2+ ☐ 3+ ☐ 4+

Urine culture

Urine sediment: RBC

Urine sediment: WBC

Urine sediment: casts

## Serology

ANA

☐ Positive ☐ Negative ☐ ND

ANA titre

Anti-dsDNA

☐ Positive ☐ Negative ☐ ND

Anti-dsDNA titre

ANCA

☐ Positive ☐ Negative ☐ ND

ANCA titre

Anti-GBM

☐ Positive ☐ Negative ☐ ND

Anti-GBM titre

ASO

Complement C3

Complement C4

HIV

☐ Positive ☐ Negative ☐ ND

Hep B

☐ Positive ☐ Negative ☐ ND

Hep C

☐ Positive ☐ Negative ☐ ND

Other

## USG findings

Right kidney (RK)

Left kidney (LK)

## Referred by

Referring nephrologist Dr. Praveen Kumar Etta

Caspian Healthcare, Vijay Nagar Colony,  
Hospital Hyderabad

Phone no.

## Post-renal biopsy instructions

Orders and monitoring chart for the nursing staff

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Scan to open a blank form

|                          |                                   |
|--------------------------|-----------------------------------|
| Patient's name _____     | Date _____                        |
| Hospital number _____    | Ward and bed _____                |
| Biopsy finished at _____ | Doctor to inform, and phone _____ |

### Procedure note

Ultrasound-guided renal biopsy done under strict aseptic conditions.

#### Procedure

☐ Uneventful ☐ Event noted (write below)

Notes \_\_\_\_\_

### Orders

- 1 Complete bed rest in the supine position (lying flat on the back), strictly until the next morning.** Food and water, and passing urine, are allowed in the supine position.
- 2 IV fluids NS or DNS at 50 ml per hour.** Avoid if oedema is present.
- 3 Collect 3 consecutive urine samples,** one each time the patient passes urine, to look for haematuria.
- 4 Monitor BP and pulse rate:**
  - every 15 minutes for the first 3 hours
  - every 30 minutes for the next 6 hours
  - every hour after that
- 5 Haemoglobin level and ultrasound screening the next morning,** if advised by the doctor.

#### IV fluids

☐ NS ☐ DNS ☐ Not to give (oedema)

#### Next morning, as advised

☐ Haemoglobin ☐ Ultrasound screening

#### Inform the doctor if

- BP is below 110/70 mm Hg
- Haematuria (blood in the urine) develops
- Fever or loin pain develops

### Urine samples

| Sample | Time passed | Colour (clear, pink, red, clots) | Checked by |
|--------|-------------|----------------------------------|------------|
| 1      |             |                                  |            |
| 2      |             |                                  |            |
| 3      |             |                                  |            |

## BP and pulse chart

[illegible]

Hourly readings continue after the last row. Carry on in the case sheet.

Orders written by: name and signature

Nurse on duty: name and signature

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# Kidney biopsy: before and after

## Renal biopsy under ultrasound guidance

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Scan to read on your  
phone

For adults who have been advised a biopsy of their own kidney (a native kidney biopsy).



The kidneys, the ultrasound machine, the bed for the night's rest, the blood pressure check, and the review date.

|                                       |                                        |
|---------------------------------------|----------------------------------------|
| Patient's name _____                  | Date _____                             |
| Biopsy date _____                     | Come to the hospital at _____          |
| Medicines to stop _____               | Stop them from _____                   |
| No food or drink after _____          | Restart the stopped medicines on _____ |
| Review visit with the report on _____ |                                        |

The nephrologist who does your biopsy decides the details. **If you were told something different from this sheet, follow what you were told.**

## What a kidney biopsy is

A kidney biopsy takes small pieces of kidney tissue with a needle. The pieces are examined under a microscope. This shows what is harming the kidney and helps the doctor choose the treatment.

It is done at the bedside with an ultrasound machine, after an injection to numb the skin. You are awake.

## In the days before

- Give the doctor a list of every medicine, vitamin and supplement you take. Aspirin, clopidogrel, blood thinners (warfarin, acenocoumarol, apixaban, rivaroxaban, dabigatran), painkillers such as ibuprofen, diclofenac and naproxen, and fish oil make bleeding more likely. **The doctor will tell you which ones to stop and from which date. Do not stop a blood thinner or a heart medicine on your own.**
- Tell the doctor if you are pregnant or could be, if you bleed or bruise easily, if you have only one kidney, or if you have ever reacted to a numbing injection.
- Tell the doctor if you have fever or burning while passing urine. The biopsy may be moved to another day.
- Blood tests are done first: blood count, clotting tests, blood group and virus tests.
- Your blood pressure must be steady on the day. Take your blood pressure tablets as usual unless you were told otherwise.
- You may be asked not to eat or drink for some hours before the biopsy. Your time is written above.
- You stay in the hospital for the night. Bring a family member, your medicines and your old reports.
- The doctor explains the test and its risks, and you sign a consent form. Ask all your questions before you sign.

## During the biopsy

- 1 You lie on your stomach.
- 2 The doctor finds the kidney with the ultrasound, cleans the skin and numbs it with an injection. This stings for a few seconds.
- 3 You are asked to hold your breath for a few seconds while the needle goes in. You hear a click. You may feel pressure.
- 4 This is done more than once, to get enough tissue.
- 5 A dressing is put on, and you turn on to your back.

## After the biopsy, in the hospital

- **You lie flat on your back, in bed, until the next morning.** This is the most important thing you can do to prevent bleeding.
- You may eat and drink lying down. You also pass urine lying down, in a urine pot or a bedpan. Do not get up to walk to the toilet. Ask the nurse.
- The nurse checks your blood pressure and pulse often: every 15 minutes at first, then every 30 minutes, then every hour through the night.
- Your first three urine samples are kept and checked for blood.
- A blood test and an ultrasound scan may be done the next morning before you go home.
- Light pink urine is expected and is not a worry.
- **Call the nurse at once** if your urine turns red or has clots, if you have pain in the back or the side, if you feel giddy or sweaty, or if you cannot pass urine.

## At home, for the next 2 weeks

### Do

- ✓ Rest for the first day or two
- ✓ Take paracetamol if the area is sore, in the dose you were advised
- ✓ Keep the dressing clean and dry. Ask when to take it off
- ✓ Restart the stopped medicines only on the date written above
- ✓ Come for the review visit. The report decides your treatment

### Do not

- ✗ No heavy lifting, hard exercise or contact sports for 2 weeks
- ✗ No sexual intercourse for 2 weeks
- ✗ No ibuprofen, diclofenac, naproxen or aspirin for pain, unless your doctor allows it

## What is normal

- Soreness where the needle went in.
- Urine that is light pink or slightly cloudy for the first 24 to 48 hours. This is expected.

### Get medical help at once if you have

- Urine that is red, dark red or brown, or has blood clots
- Trouble passing urine, or burning while passing urine
- Pain at the biopsy site that is getting worse
- Feeling faint or giddy
- Fever
- Redness, swelling, bleeding or discharge at the biopsy site

Call 108 or go to the nearest hospital with an emergency department. Say that you had a kidney biopsy and on which date. Inform Caspian Healthcare and your nephrologist.

## The report

The tissue goes to a pathology laboratory, and the report takes some days. Your review date is written above. Bring this sheet with you.

**Questions about this sheet?** Call Caspian Healthcare reception on +91 89193 41154. A doctor is on duty at all hours for problems that are not critical. **Caspian has no emergency department: in an emergency call 108.**

Prepared by Caspian Healthcare from the sources above. Last reviewed October 2026. General information: your own doctor's written instructions come first.

[caspianhealthcare.in/instructions/kidney-biopsy](https://caspianhealthcare.in/instructions/kidney-biopsy) · Reviewed October 2026 · General information. Your doctor's written instructions come first. In an emergency call 108.