

Kidney Biopsy Care Pathway

Patient details

ADDRESSOGRAPH

Date of pre assessment:

Date of kidney biopsy:

Consultant:

Contact Details:

Home:

Mobile:

Religious beliefs/practices:

Communication/Language:

<p>Next of Kin: Name:</p> <p>Relationship:</p> <p>Contact numbers:</p> <p>Aware of admission:</p>	<p>Discharge Plans: Responsible adult for 24hrs:</p> <p>Name of adult:</p> <p>Contact number:</p> <p>Transport:</p>
<p>ALLERGIES/ALERTS:</p> <p>Any infection control alerts Y/N (check CPI & specify)</p> <p>Contact with Carbopenamase Producing Organisms Y/N</p>	<p>DIABETIC: Y/N</p> <p>Type:</p> <p>Can you administer own insulin: Y/N</p> <p>If no please ensure drug chart prescribed: Y/N</p>
<p>Anticoagulation and anti-platelet therapy (warfarin, aspirin, clopidogrel, dipyridamole or novel oral anticoagulant/NOAC such as Dabigatran, Apixaban, Rivaroxaban?): Y/N</p> <p>Type: Why: When last taken:</p> <p>Discuss with referring consultant or radiologist regarding safety of stopping. PRINT OFF AND ATTACH "ANTICOAGULATION MANAGEMENT OF PATIENTS UNDERGOING INVASIVE PROCEDURES IN RADIOLOGY" AND FOLLOW HIGH RISK INSTRUCTIONS.</p>	
<p>Instruct to bring medication in on day of admission: Y/N</p> <p>Self-medication forms signed: Y/N</p> <p>If no please ensure prescription chart filled out by doctors Y/N</p>	
<p>Disclaimer : I am the patient named above. I accept responsibility for my property during my stay in hospital. I agree to inform staff of any concerns of questions I may have during my admission</p> <p>Signed:</p> <p>Dated:</p>	

Pre Assessment

Date:

Addressograph

Presenting Symptoms: (Reason for biopsy)
Biopsy Type:

Previous Medical History

Does patient have (circle)?

artificial heart valve

artificial blood vessel graft

coronary artery stent

neurological shunt

pacemaker or defibrillator

any other implant

Medication

Note: Ensure antihypertensive medication is taken on day of procedure.

Anti-platelet medication or anti coagulation therapy.

Type:

Date stopped:

Discuss with referring consultant or radiologist regarding safety of stopping.
REFER TO HIGH RISK SECTION OF "ANTICOAGULATION MANAGEMENT OF PATIENTS UNDERGOING INVASIVE PROCEDURES IN RADIOLOGY" FROM RADIOLOGY SECTION OF INTRANET.

Examination:

BP:

SpO2:

Pulse:

Respiratory Rate:

Temperature:

Weight:

Signed:

Dated:

Pre assessment continued

Addressograph

Bloods that must be taken.

FBC Y/N
 Clotting screen Y/N
 Group and save Y/N
 U & Es Y/N

Urine dipstick negative Y/N (send for MCS if positive for nitrates)

Absolute contraindications for kidney biopsy

Bleeding diathesis (haemophilia, von Willebrand, antiphospholipid syndrome) Y/N
 Uncontrolled BP (diastolic > 90 or systolic > 160) Y/N
 Uncooperative patient Y/N

Relative contraindications for kidney biopsy

Known Amyloidosis Y/N Urinary tract infection Y/N
 Obesity Y/N Pregnancy Y/N
 Anticoag or antiplt drugs Y/N Solitary native kidney Y/N

If yes to the above questions then refer to doctors as may not be suitable for day case biopsy.

Self medication form signed Y/N

Antibiotic cover required Y/N **If yes please ensure drug chart prescribed.**
 (for patients with bacteraemia, risk of renal sepsis or renal transplant)

Informed to buy Paracetamol for post procedure Y/N

Information sheet provided prior to assessment Y/N

Has the patient read the information sheet Y/N

Procedure explained Y/N

Risks explained			Symptoms explained		
Significant bleeding	(<5%)	Y/N	Pain	(10%)	Y/N
Need for transfusion	(<1%)	Y/N	Bruising	(10%)	Y/N
Need for embolization	(<0.5%)	Y/N	Haematuria < 24 h	(3%)	Y/N
Urinary retention	(<2%)	Y/N			
Infection	(<1%)	Y/N			
Failure to diagnose	(<5%)	Y/N			
Mortality of a kidney biopsy	(<0.1%)	Y/N			

Consent obtained Y/N

Consent Form Signed Y/N

Signed:

Dated:

Pre assessment continued

Date:

Addressograph

Inform the patient of being NBM FOR 6HRS prior to procedure Y/N

Transport discussed: Y/N Own Transport: Y/N

Hospital transport booked: Y/N

Responsible adult to be present for 24hrs post procedure Y/N

Able to return to a hospital within 30 min drive Y/N

Informed of restrictions post procedure

- no driving for 48 hours
- avoid contact sports, heavy lifting or strenuous exercise including sexual intercourse for 2 weeks Y/N

Date of blood results:

FBC Hb: WBC: Platelets:

Clotting INR: APTTR:

Renal Sodium: Potassium: eGFR:

INR and APTTR must be <1.5

Platelets must be >50,000 for percutaneous biopsy

Inform consultant interventional radiologist if INR/APTTR >1.5 or PLATELETS <50,000 or any other concerns.

Signed:

Dated:

Pre-Procedure Check List

Ward:

Addressograph

Date:

Admitting nurse:

Check list	Tick	Initial	Comments
Admit and orientate the patient to the ward			
Confirm patient ID and provide patient ID band and allergy alert band			
Check next of kin details are correct			
Check INR, FBC and group & Save taken within 1 week of biopsy. If on anticoagulation therapy ensure within last 24 hours			Platelet: (>50,000) INR: (<1.5) APTR: (<1.5)
Anticoagulation or antiplatelet medication has been discussed and stopped with reference to instructions under radiology section of intranet.			Which doctors was it discussed with? When was it stopped:
Ensure patient has been NBM for 4 hrs			NBM from hrs
Offer full explanation of procedure and assess patient's understanding			
Check consent signed			Can be consented by radiologist in Radiology Department
Completed baseline observations on NEWS chart and/or VitalPac			
If Diabetic then Blood sugar			BM:
Cannula inserted			Size: Position
Provide hospital gown and remove all excess jewellery			Taped Rings Y/N
Ensure canvas and draw sheet on the bed			
Ensure notes and prescription charts accompany the patient			

Signed:

Dated:

Procedure

Addressograph

RADIOLOGIST:

PROCEDURE:

BIOPSY SITE:

Full explanation of the procedure given and the patients understanding assessed Y/N

Written informed consent obtained: Y/N

Pre-assessment and pre-procedure checklists completed Y/N

FBC, clotting and respiratory function tests acceptable Y/N

Antiplatelet or anticoagulation drugs stopped Y/N/Not applicable

BEST practice checklist completed Y/N

Baseline Observation in Radiology Department at hrs

Pulse: BP: SpO2: Resp rate:

Local anaesthetic: Amount:

Other drugs/ Sedation: Amount:

Comments regarding procedure:

Complications Pain Y/N Haemorrhage Y/N

Biopsy sample and histology request correctly labelled Y/N

Signed by radiologist: **Dated** **Time** : hrs

**Post procedure check
to be completed by
RDA, nurse or
radiologist**

Addressograph

Post Procedure	Completed	Initials
Observations Time : hrs	Pulse SpO2 BP Site	
Radiologist has completed procedure notes	Y/N	
Specimen & histology form labelled correctly	Y/N	
Hand over done	Y/N	
Specimen location	Sample to pathology Y/N	

Signed :

Dated

Time : hrs

Post procedure (minimum 6 hours from leaving radiology)

Complete observation and record on NEWS Chart and/or VitalPac: Every 15 minutes for 1 hour Every 30 minutes for 2 hours Every hour for further 3 hours	Addressograph
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Patient returned back to the ward

Time:

To remain NBM for 1 hour post procedure

Recommended:

To remain on bed rest for 6 hours

Until:

Ensure call bell to hand

Y/N

Check wound every hour

Y/N

Assess level of pain every hour

Y/N

Ensure patient has passed urine

Y/N

**Collect a urine sample each time patient urinates and record time on specimen pot.
Keep specimens by bedside.**

Observe for signs of haemorrhage

Y/N

If signs of haemorrhage keep NBM, continue to monitor every 15 minutes and CONTACT SHO OR SPR FROM UROLOGY TEAM IMMEDIATELY.

CONTACT SHO OR SPR FROM UROLOGY TEAM IMMEDIATELY if NEWS score is 4 or greater or increases by 2 points and contact radiologist who performed the procedure as soon as possible.

Signed:

Dated:

Addressograph

Discharge Checklist

Senior Nurse or Urology
Doctor to complete discharge.

Check list	Tick/ Circle	Initial	Comment
Is the patient alert and orientated	Y/N		
Vital signs stable	Y/N		
Has patient mobilised post procedure?	Y/N		
Has patient passed urine?	Y/N		
Is there significant haematuria?	Y/N		Concentration of haematuria should be starting to subside. Call urology team if not settling.
Wound check No oozing, redness or obvious swelling	Y/N		Dressings for discharge Y/N
Pain free	Y/N		Discuss analgesia suitable to take.
Able to return to hospital within 30 minutes	Y/N		
Has a suitable adult with them for 24hrs	Y/N		
Remove cannula	Y/N		
Complete IDF ensuring OPA recorded on it.	Y/N		
Post procedure advice and information sheet provided	Y/N		(Info leaflet provided in pre assessment)
If on anticoagulation or antiplatelet drugs, patient has been advised when to restart	Y/N		Follow instructions on High Risk section of "Anticoagulation Management of Patients Undergoing Invasive Procedures in Radiology"
Copy of ELDF given to patient	Y/N		
Transport (Own or Hospital)	Y/N		Delete as necessary
Next of Kin informed	Y/N		
Valuables returned to patient if applicable	Y/N		

Discharged Y/N
Bed manager contacted as not suitable as day case: Y/N

Signed:

Dated: