

CONSENT FORM for UROLOGICAL SURGERY

(Designed in compliance with  consent form 1)

PATIENT AGREEMENT TO INVESTIGATION OR TREATMENT

Patient Details or pre-printed label

Patient's NHS Number or Hospital number	
Patient's surname/family name	
Patient's first names	
Date of birth	
Sex	
Responsible health professional	
Job Title	
Special requirements <i>e.g. other language/other communication method</i>	

Patient identifier/label

Name of proposed procedure (Include brief explanation if medical term not clear)	ANAESTHETIC
PERCUTANEOUS NEPHROLITHOTOMY (PCNL) SIDE..... ULTRASONIC, LITHOCLAST OR LASER REMOVAL OF STONES WITH TELESCOPE PLACED THROUGH A SMALL PUNCTURE IN THE BACK INTO KIDNEY	- GENERAL/REGIONAL - LOCAL - SEDATION

Statement of health professional (To be filled in by health professional with appropriate knowledge of proposed procedure, as specified in consent policy) I have explained the procedure to the patient. In particular, I have explained:

The intended benefits

TO REMOVE STONES FROM INSIDE OF KIDNEY

Serious or frequently occurring risks including any extra procedures, which may become necessary during the procedure. I have also discussed what the procedure is likely to involve, the benefits and risks of any available alternative treatments (including no treatment) and any particular concerns of this patient. Please tick the box once explained to patient

COMMON

- TEMPORARY INSERTION OF A BLADDER CATHETER AND URETERIC STENT/ KIDNEY TUBE NEEDING LATER REMOVAL
- TRANSIENT HAEMATURIA
- TRANSIENT TEMPERATURE

OCCASIONAL

- OCCASIONALLY MORE THAN ONE PUNCTURE SITE IS REQUIRED
- NO GUARANTEE OF REMOVAL OF ALL STONES & NEED FOR FURTHER OPERATIONS
- RECURRENCE OF NEW STONES

RARE

- SEVERE KIDNEY BLEEDING REQUIRING TRANSFUSION, EMBOLISATION OR AT LAST-RESORT SURGICAL REMOVAL OF KIDNEY.
- RARELY, DAMAGE TO LUNG, BOWEL, SPLEEN, LIVER REQUIRING SURGICAL INTERVENTION.
- KIDNEY DAMAGE OR INFECTION NEEDING FURTHER TREATMENT
- OVER ABSORPTION OF IRRIGATING FLUIDS INTO BLOOD SYSTEM CAUSING STRAIN ON HEART FUNCTION

ALTERNATIVE TREATMENT: EXTERNAL SHOCK WAVE TREATMENTS, OPEN SURGICAL REMOVAL OF STONES, OBSERVATION

A blood transfusion may be necessary during procedure and patient agrees **YES or NO (Ring)**

Signature of Health Professional	Job Title
Printed Name	Date

The following leaflet/tape has been provided

BAUS Patient information leaflet (21/164)

Contact details (if patient wishes to discuss options later) _____

Statement of interpreter (where appropriate) I have interpreted the information above to the patient to the best of my ability and in a way in which I believe s/he can understand.

Signature of interpreter:	Print name:	Date:
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Copy (i.e. page 3) accepted by patient: yes/no (please ring)

..... side Percutaeneous nephrolithotomy
 (Removal of skidney stone via skin) under General
 Anaesthesia

Patient identifier/label

Statement of patient

Please read this form carefully. If your treatment has been planned in advance, you should already have your own copy of page 2, which describes the benefits and risks of the proposed treatment. If not, you will be offered a copy now. If you have any further questions, do ask - we are here to help you. You have the right to change your mind at any time, including after you have signed this form.

- I agree**
 - to the procedure or course of treatment described on this form.
 - to a blood transfusion if necessary
 - That any tissue that is normally removed in this procedure could be stored and used for medical research (after the pathologist has examined it) rather than simply discarded. PLEASE TICK IF YOU AGREE

- I understand**
 - that you cannot give me a guarantee that a particular person will perform the procedure. The person will, however, have appropriate experience.
 - that I will have the opportunity to discuss the details of anaesthesia with an anaesthetist before the procedure, unless the urgency of my situation prevents this. (This only applies to patients having general or regional anaesthesia.)
 - that any procedure in addition to those described on this form will only be carried out if it is necessary to save my life or to prevent serious harm to my health.

- I have been told**
 - about additional procedures which may become necessary during my treatment. I have listed below any procedures which **I do not wish to be carried out** without further discussion.

Signature of Patient:		Print please:	Date:
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A witness should sign below if the patient is unable to sign but has indicated his or her consent. Young people/children may also like a parent to sign here. (See DOH guidelines).

Signed _____
 Date _____
 Name (PRINT) _____

Confirmation of consent (to be completed by a health professional when the patient is admitted for the procedure, if the patient has signed the form in advance). On behalf of the team treating the patient, I have confirmed with the patient that s/he has no further questions and wishes the procedure to go ahead.

Signature of Health Professional	Job Title
Printed Name	Date

- Important notes: (tick if applicable)**
- See also advance directive/living will (eg Jehovah's Witness form)
 - Patient has withdrawn consent (ask patient to sign/date here)



PERCUTANEOUS NEPHROLITHOTOMY (KEYHOLE SURGERY FOR KIDNEY STONES)

Information about your procedure from
The British Association of Urological Surgeons (BAUS)

This leaflet contains evidence-based information about your proposed urological procedure. We have consulted specialist surgeons during its preparation, so that it represents best practice in UK urology. You should use it in addition to any advice already given to you.

To view the online version of this leaflet, type the text below into your web browser:

http://www.baus.org.uk/_userfiles/pages/files/Patients/Leaflets/PCNL.pdf

Further general information about kidney stones can be found on the Patients' section of the BAUS website under "[I think I might have ... kidney stones](#)".

Key Points

- The aim of this procedure is to fragment stones in the kidney telescopically using a "keyhole" approach to your kidney through a puncture in the skin of your back
- It is a major procedure and is usually reserved for larger stones or for patients with complex kidney anatomy
- We puncture the kidney with a needle, under ultrasound or X-ray guidance, and stretch up a "track" into the kidney through which we can pass a telescope
- The stone is broken up using a laser fibre, a lithoclast (small pneumatic drill) or an ultrasonic suction probe
- This procedure has largely eliminated the need for open surgery to remove kidney stones, because there is a similar stone clearance rate and recovery is much faster

What does this procedure involve?

This involves puncturing your kidney through the skin of your back with a needle (using X-ray or ultrasound to guide the puncture) and stretching up a track into the kidney through which a telescope can be passed. We may need to puncture the kidney at more than one site to reach all your stone(s).

We then fragment the stone(s) in your kidney using a laser, lithoclast (mechanical fragmenter) or ultrasound probe. We may leave a drainage tube in your kidney (nephrostomy) or an internal tube (ureteric stent) at the end of the procedure and we usually put a catheter in your bladder.

What are the alternatives?

- **Observation** –stones smaller than 5mm in diameter can pass by themselves but sometimes get “stuck” within the kidney; larger stones (greater than 7mm diameter) rarely pass
- **[Extracorporeal shockwave lithotripsy \(ESWL\)](#)** – by “firing” shockwaves, generated under water, through your skin to break the stone into fragments which you then pass yourself
- **[Flexible ureteroscopy](#)** – using a thin flexible telescope passed into your bladder, up through your ureter and into your kidney, where the stone is broken up using laser energy
- **[Open stone removal](#)** – although very unusual nowadays, if all the above techniques fail we may need to resort to open surgery to remove your stone(s)

What happens on the day of the procedure?

Your urologist (or a member of their team) will briefly review your history and medications, and will discuss the surgery again with you to confirm your consent.

An anaesthetist will see you to discuss the options of a general anaesthetic or spinal anaesthetic. The anaesthetist will also discuss pain relief after the procedure with you.

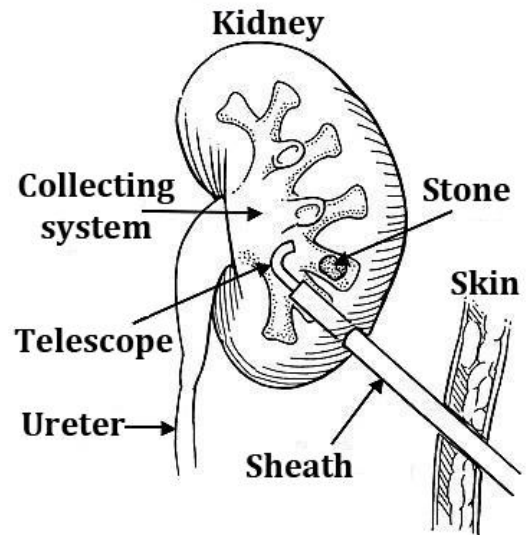
We may provide you with a pair of TED stockings to wear, and we may give you a heparin injection to thin your blood. These help to prevent blood clots from developing and passing into your lungs. Your medical team will decide whether you need to continue these after you go home.

We may arrange an X-ray or CT scan for you on the day of the operation, to be sure that the stone has not changed in any way.

Details of the procedure

- we normally use a full general anaesthetic and you will be asleep throughout the procedure
- we usually give you an injection of antibiotics before the procedure, after you have been checked for any allergies

- we put a telescope into your bladder through the urethra (water pipe) and use it to put a fine tube (ureteric catheter) up to your kidney under X-ray control
- we put a catheter into your bladder through your urethra (waterpipe)
- we may need to turn you on to your face (in the prone position) and puncture the affected kidney with a needle using X-ray or ultrasound guidance; contrast medium (X-ray dye) can be injected through the ureteric catheter to help this process
- once the needle is correctly positioned in the kidney, we replace it with a guide wire over which dilators are threaded, or a special balloon is passed, to stretch up a “track” into the kidney
- the diameter of this track is determined by the size of telescope which we will use to see inside the kidney (normal, mini or ultra-mini)
- we pass the telescope (nephroscope) through a sheath, along the track, to see the stone(s) inside the kidney (pictured).
- the stones are broken up using a laser, a lithoclast or an ultrasound probe and the larger fragments are removed using grasping forceps or suction
- when smaller nephroscopes (mini or ultra-mini) are used, the stones are “dusted” to produce tiny fragments which can pass by themselves
- we may insert a temporary drainage tube (a nephrostomy tube) into the kidney at the end of the procedure
- in some patients, we place a temporary tube (a ureteric stent) between the kidney and the bladder, either instead of or as well as a nephrostomy
- the procedure takes 1-3 hours to complete, depending on the size of your stone(s)
- you can expect to be in hospital for one to three days










On the day after surgery, we may carry out an X-ray or CT scan (which is more sensitive than plain X-ray) to see if all the stones have been cleared. Occasionally, we may X-ray your kidney using contrast medium (dye) put down the nephrostomy tube (a nephrostogram). If this is satisfactory, the nephrostomy tube and your bladder catheter will be removed.






You may get some leakage of urine from the nephrostomy site. This usually stops within 24 to 48 hours and can be managed with simple dressings.

Further information and a short [video of percutaneous kidney stone removal](#) are available on the BAUS website.

Are there any after-effects?

The possible after-effects and your risk of getting them are shown below. Some are self-limiting or reversible, but others are not. We have listed some very rare but important after-effects (occurring in less than 1 in 250 patients) individually. The impact of after-effects can vary a lot from patient to patient; you should ask your surgeon's advice about the risks and their impact on you as an individual:

After-effect	Risk
Mild bleeding from the kidney into your urine (into the nephrostomy tube and/or your bladder)	 All patients
Temporary insertion of a bladder catheter	 Most patients
Recurrent (new) stone formation over the next five to 10 years, requiring further surgery or other treatment	 1 in 2 patients (50%)
Urinary infection requiring antibiotic treatment	 Between 1 in 2 & 1 in 10 patients
Need for more than one puncture to clear your stones (depending on the site of the stones)	 Between 1 in 2 & 1 in 10 patients
Residual stones requiring further surgery or other treatment	 Between 1 in 5 & 1 in 20 patients
Sepsis (infection) requiring an unexpected intensive care admission	 Between 1 in 10 & 1 in 100 patients

Moderately severe bleeding from the kidney requiring radiological intervention to block the blood supply to the damaged area (embolisation)	 Between 1 in 50 & 1 in 100 patients
Failure to obtain satisfactory access to your kidney requiring further surgery or alternative treatment	 Between 1 in 50 & 1 in 100 patients
Infection in the nephrostomy puncture wound in your back	 1 in 100 patients (1%)
Anaesthetic or cardiovascular problems possibly requiring intensive care (including chest infection, pulmonary embolus, stroke, deep vein thrombosis, heart attack and death)	 Between 1 in 50 & 1 in 250 patients (your anaesthetist can estimate your individual risk)
Major damage to blood vessels in your kidney requiring emergency surgery to remove the kidney (nephrectomy)	 Less than 1 in 1000 patients (less than 0.1%)

What is my risk of a hospital-acquired infection?

Your risk of getting an infection in hospital is between 4 & 6%; this includes getting *MRSA* or a *Clostridium difficile* bowel infection. This figure is higher if you are in a “high-risk” group of patients such as patients who have had:

- long-term drainage tubes (e.g. catheters);
- bladder removal;
- long hospital stays; or
- multiple hospital admissions.

What can I expect when I get home?

- you will be given advice about your recovery at home
- you will be given a copy of your discharge summary and a copy will also be sent to your GP
- any antibiotics or other tablets you may need will be arranged & dispensed from the hospital pharmacy
- you should drink twice as much fluid as you would normally for the first 24 to 48 hours, to flush your system through and reduce the risk of infection or blockage of your urine flow by blood clots

- it may take at two to four weeks to recover from percutaneous nephrolithotomy
- you may return to work when you are comfortable enough or when your GP is satisfied with your progress; this is unlikely to be within 10 days, especially if your job is physically demanding
- if you develop a fever, pain in the area of the affected kidney, severe pain on passing urine, inability to pass urine or worsening bleeding, you should contact your urology unit or GP immediately

You can reduce your risk of further stone formation by altering your diet and fluid intake. Ask your urologist or specialist nurse for further details about this or download the BAUS leaflet "[Dietary advice for stone formers](#)".

General information about surgical procedures

Before your procedure

Please tell a member of the medical team if you have:

- an implanted foreign body (stent, joint replacement, pacemaker, heart valve, blood vessel graft);
- a regular prescription for a blood thinning agent (e.g. warfarin, aspirin, clopidogrel, rivaroxaban, dabigatran);
- a present or previous MRSA infection; or
- a high risk of variant-CJD (e.g. if you have had a corneal transplant, a neurosurgical dural transplant or human growth hormone treatment).

Questions you may wish to ask

If you wish to learn more about what will happen, you can find a list of suggested questions called "[Having An Operation](#)" on the website of the Royal College of Surgeons of England. You may also wish to ask your surgeon for his/her personal results and experience with this procedure.

BAUS runs a national audit and collects data from all urologists undertaking this surgery. There are two reasons for this. First, surgeons are required by the Department of Health to look at how well the surgery is being done under their care and, second, to look at national trends for the procedure.

Some basic patient data (e.g. name, NHS number and date of birth) are entered and securely stored. This is required so that members of the clinical team providing your care can go back to the record and add follow-up data such as length of stay or post-operative complications. This helps your surgeon to understand the various outcomes of the procedure.

Although BAUS staff can download the surgical data for analysis, they **cannot** access any patient identifiable data. This information is used to generate reports on individual surgeons and units; these are available for the public to view in the [Surgical Outcomes Audit](#) section of the BAUS website.

Before you go home

We will tell you how the procedure went and you should:

- make sure you understand what has been done;
- ask the surgeon if everything went as planned;
- let the staff know if you have any discomfort;
- ask what you can (and cannot) do at home;
- make sure you know what happens next; and
- ask when you can return to normal activities.

We will give you advice about what to look out for when you get home. Your surgeon or nurse will also give you details of who to contact, and how to contact them, in the event of problems.

Smoking and surgery

Ideally, we would prefer you to stop smoking before any procedure. Smoking can worsen some urological conditions and makes complications more likely after surgery. For advice on stopping, you can:

- contact your GP;
- access your local [NHS Smoking Help Online](#); or
- ring the free NHS Smoking Helpline on **0300 123 1044**.

Driving after surgery

It is your responsibility to make sure you are fit to drive after any surgical procedure. You only need to [contact the DVLA](#) if your ability to drive is likely to be affected for more than three months. If it is, you should check with your insurance company before driving again.

What should I do with this information?

Thank you for taking the trouble to read this information. Please let your urologist (or specialist nurse) know if you would like to have a copy for your own records. If you wish, the medical or nursing staff can also arrange to file a copy in your hospital notes.

What sources have we used to prepare this leaflet?

This leaflet uses information from consensus panels and other evidence-based sources including:

- the [Department of Health \(England\)](#);
- the [Cochrane Collaboration](#); and
- the [National Institute for Health and Care Excellence \(NICE\)](#).

It also follows style guidelines from:

- the [Royal National Institute for Blind People \(RNIB\)](#);
- the [Information Standard](#);
- the [Patient Information Forum](#); and
- the [Plain English Campaign](#).

Disclaimer

We have made every effort to give accurate information but there may still be errors or omissions in this leaflet. BAUS cannot accept responsibility for any loss from action taken (or not taken) as a result of this information.

PLEASE NOTE

The staff at BAUS are not medically trained, and are unable to answer questions about the information provided in this leaflet. If you do have any questions, you should contact your urologist, specialist nurse or GP.