

PCNL prospective audit – web based

Operation form

| Question number /Field Name | Data type | Data Allowed |
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| Q1 Pre-op Radiology | Number -Multiple choice – check all that apply | 1 - KUB 2 - USS 3 - IVU 4 - CT |
| Q2 Renogram (DMSA) | Yes/No | |
| Q3 Relative renal function % – Right | Number | |
| Q4 Relative renal function % – Left | Number | |
| Q5 Side | Number - Multiple choice – 1 answer | 1 - Left 2 - Right |
| Q6 Stone Dimensions | Number - Multiple choice – 1 answer | 1 - 0 - 1 cm 2 - 1 - 2 cm 3 - > 2 cm |
| Q7 Number of Stones | Number - Multiple choice – 1 answer | 1 - Single 2 - Multiple |
| Q8 Stone Location - | Number -Multiple choice – check all that apply | 1 - Calyceal U 2 - Calyceal M 3 - Calyceal L 4 - Pelvic 5 - Upper ureteric 6 - Calyceal diverticular 7 - Partial staghorn 8 - Complete staghorn |
| Q9 <i>If answer to Q7 is 1 or 2 or 3 then:</i> How many calyceals contain stones | Number - Multiple choice – 1 answer | 1 - 1 2 - 2 3 - 3 4 - > 3 |
| Q10 Stone Complexity | Number - Multiple choice – 1 answer | 1 - I - A solitary stone in the mid/lower pole Or A solitary stone in the pelvis; 2 - II - A solitary stone in the upper pole Or Multiple stones in a patient with simple anatomy Or A solitary stone in a patient with |

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| | | <p>abnormal anatomy</p> <p>3 - III Multiple stones in a patient with abnormal anatomy Or Stones in a calyceal diverticulum Or Partial staghorn calculus</p> <p>4 - IV - Staghorn calculus</p> |
| Q11 Difficult Access | Yes / No | |
| Q12 <i>If answer to Q9 is Yes then:</i> Reason for difficult access | Number -Multiple choice – check all that apply | <p>1 - Solitary</p> <p>2 - Horseshoe</p> <p>3 - Pelvic</p> <p>4 - Cystic</p> <p>5 - BMI > 35</p> <p>6 - Stones invisible on fluoroscopy</p> <p>7 - Stone in a diverticulum</p> <p>8 - Spina bifida or neuropathology</p> <p>9 - Failure to pass a ureteric catheter</p> <p>10 - Ileal conduit</p> |
| Q13 Pre-op MSSU | Yes/No | |
| Q14 Prophylactic antibiotics on induction | Yes/No | |
| Q15 Date of Operation | Long date | dd/mm/yyyy |
| Q16 Grade of main operating Surgeon | Number - Multiple choice – 1 answer | <p>1 - Consultant</p> <p>2 - SpR</p> <p>3 - Other</p> |
| Q17 Supervised training operation | Yes / No | |
| Q18 Puncture/Tract performed by | Number - Multiple choice – 1 answer | <p>1 - Urologist</p> <p>2 - Radiologist</p> |
| Q19 Grade of performer | Number - Multiple choice – 1 answer | <p>1 - Consultant</p> <p>2 - SpR</p> <p>3 - Other</p> |
| Q20 Image guidance for renal puncture | Number - Multiple choice – 1 answer | <p>1 - Fluoroscopy</p> <p>2 - Ultrasound</p> <p>3 - Both</p> |

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| Q21 No of tracts | Number - Multiple choice – 1 answer | 1 - 1 2 - 2 3 - 3 4 - > 3 |
| Q22 Placement of tract | Number - Multiple choice – 1 answer | 1 - Subcostal 2 - Supracostal |
| Q23 Interventional radiology backup for selective renal artery embolisation | Yes/No | |
| Q24 Accessory procedures | Number - Multiple choice – check all that apply | 1 - None 2 - Flexible renoscopy 3 - Flexible ureteroscopy 4 - Antegrade stent insertion |
| Q25 Stone extraction / fragmentation | Number - Multiple choice – 1 answer | 1 - Lift out 2 - Laser 3 - Lithoclast 4 - USL |
| Q26 Complete clearance on fluoroscopy | Yes / No | |
| Q27 Procedure abandoned | Yes / No | |
| Q28 If abandoned why | Number - Multiple choice – 1 answer | 1 - Failed access 2 - Intra operative bleeding 3 - Inaccessible stones 4 - Other |
| Q29 Complications – Visceral Injury | Yes/No | |
| Q30 If Yes Specify visceral injury | Short Text (up to 255 characters) | Free Text |
| Q31 Any unusual complications | Yes/No | Free Text |
| Q32 If Yes specify unusual complications | Short Text (up to 255 characters) | Free Text |
| Q33 Nephrostomy drain in situ | Yes/No | |
| Q34 Ureteric stent insertion | Yes/No | |
| Q35 Secondary (re-look) nephroscopy | Yes/No | |

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| Q36 Ureteric catheter | Yes/No | |
| Q37 Totally tubeless (to include no urethral catheter) | Yes/No | |
| Q38 Post-operative length of stay (days) | Number | |
| Q39 Blood transfusion | Yes/No | |
| Q40 <i>If yes</i> Number of Units | Number | |
| Q41 Post op Infection | Number - Multiple choice – check all that apply | 1 - None 2 - Fever 3 - SIRS - Sepsis |
| Q42 HDU/ITU admission | Yes/No | |
| Q43 Significance of Complication(s) - Clavien Classification | Number - Multiple choice – 1 answer | 1 - Grade 1 - all events that, if left untreated, would have a spontaneous resolution or needed a simple bedside intervention 2 - Grade 2 - complications requiring specific medication, including antibiotics and blood transfusion 3 - Grade 3a - complications necessitating surgical, endoscopic, or radiologic intervention without general anesthesia 4 - Grade 3b - complications necessitating surgical, endoscopic, or radiologic intervention under general anesthesia 5 - Grade 4 - Neighboring organ injuries and organ failures 6 - Grade 5 - Death |
| Q44 Post op Nephrostogram | Yes/No | |
| Q45 <i>If yes</i> Residual Stones | Yes/No | |
| Q46 Day 1 post op total clearance on radiological imaging | Yes/No | |

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| Q47 <i>If No</i> Further treatment planned | Yes/No | |
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Follow up form – to be completed once at 3 months after operation date

| Question number /Field Name | Data type | Data Allowed |
|------------------------------------|--|---|
| Q1 Date of out patients follow-up | Long date | dd/mm/yyyy |
| Q2 Adjuvant treatment | Yes/No | |
| Q3 If Yes, Planned / Unplanned | Number - Multiple choice – 1 answer | 1 - Planned 2 - Unplanned |
| Q4 Treatment | Number - Multiple choice – 1 answer | 1 - ESWL 2 - Re-look PCNL 3 - URS |
| Q5 Post-operative Death @ 30 days | Number - Multiple choice – 1 answer | 1 - Yes 2 - No |
| Q6 Cause of Death | Short Text (up to 255 characters) | Free Text |
| Q7 Stone free at Follow up | Number - Multiple choice – 1 answer | 1 - Yes 2 - No |
| Q8 If Yes, How was this determined | Number -Multiple choice – check all that apply | 1 - Plain X-ray 2 - Ultrasound 3 - IVU 4 - CT Scan |

General File Guidance for Import of data to BAUS web-based datasets

If you are using your own in-house spreadsheet / database or other commercial system to collect the data this is the screen shot you will see when importing a . csv file to the web based dataset:

Please select the dataset and upload the file below.

Select dataset:

Attach file:

Or enter location on server:

Comment:

If an existing audit is found: Update it , or skip it

The file should be comma separated text, consisting of 8 columns containing the following fields, followed by columns for each dataset question:

- NHS Number (10 digits, enclosed in double quotes)
- User ID for surgeon (can be found in the Sys Admin -> Users screen)
- Reference date (MUST be in dd/mm/yyyy format) – **(operation date or follow-up date in the case of complex operations; can be referral date for newly diagnosed cancers) This field must be completed in order to ensure that any future amendments are treated as updates and not a new record**
- Centre ID (can be found in Sys Admin -> Centres & Groups screen)
- Patient Hospital number
- Sex (M/F or 1 for male, 2 for female)
- Date of birth (dd/mm/yyyy)
- Postcode

Each field should then follow in sequential order. All fields should be formatted as follows:

- Text (including M/F), Yes/No and Date types should be enclosed by double quotes
- Dates MUST be dd/mm/yyyy
- There must be no line breaks/carriage returns (replace them with spaces) in text, and double quotes in the text must be avoided
- Multiple Choice 1 answer fields should be the option number only, unless they are set to 'import as text' in which case they need to contain **EXACTLY** the option text (this is case sensitive)
- Multiple Choice check all fields should have the option numbers listed, separated by semicolons with no spaces and enclosed by double quotes

You are advised to enclose all fields which contain anything but numbers in double quotes to ensure they import properly.

You may also add date of death and cause of death (1=Cancer, 2=Non-Cancer, 3=Not Known) as additional columns at the end of the file.

If an audit is found with the same dataset, patient, reference date, user ID and centre ID, it will be updated rather than a new record inserted.

In addition, there should be no blank lines and the first line of the file should be the first line of data - don't put headings in it.

Note that failure to follow these instructions precisely may result in your data being imported in an unexpected way!