

Supplementary Material 1.

Current Practices in Lower Limb Primary Total Joint Arthroplasty

This survey is intended to evaluate current practice in orthopaedic departments across the United Kingdom around the current approach to preventative measures around infection. Areas of interest include: urine screening and treatment, antibiotic policy relating to urethral catheterisation, use of urinary catheters, use of laminar flow theatres, use of exhaust suits/Hoods in theatre and peri-operative antibiotic prophylaxis.

Data will be collected at a surgeon level and presented at a trust/health board, regional and national level. Data will be disseminated on request.

Any questions or queries please contact me at lee.hoggett@doctors.org.uk

Providing an email address below allows us to both ensure unique responses and also disseminate the results back you on completion of the study

* Required

1. Email address *

Demographic Information

Name of Hospital Trust / Health Board and name of Surgeon

2. Name of Trust *

Mark only one oval.

- Aintree University Hospital NHS Foundation Trust
- Airedale NHS Foundation Trust
- Ashford and St Peter's Hospitals NHS Foundation Trust
- Barking, Havering and Redbridge University Hospitals NHS Trust
- Barnsley Hospital NHS Foundation Trust
- Barts Health NHS Trust
- Basildon and Thurrock University Hospitals NHS Foundation Trust
- Bedford Hospital NHS Trust
- Berkshire Hospital NHS Foundation Trust
- Black Country Partnership NHS Foundation Trust
- Blackpool Teaching Hospitals NHS Foundation Trust
- Bolton NHS Foundation Trust
- Bradford Teaching Hospitals NHS Foundation Trust
- Brighton and Sussex University Hospitals NHS Trust
- Buckingham Healthcare NHS Trust
- Calderdale and Huddersfield NHS Foundation Trust
- Cambridge University Hospitals NHS Foundation Trust
- Cambridgeshire and Peterborough NHS Foundation Trust
- Camden and Islington NHS Foundation Trust

- Central and North West London NHS Foundation Trust
- Chelsea and Westminster Hospital NHS Foundation Trust
- Chesterfield Royal Hospital NHS Foundation Trust
- City Hospitals Sunderland NHS Foundation Trust
- Countess of Chester Hospital NHS Foundation Trust
- County Durham and Darlington NHS Foundation Trust
- Coventry and Warwickshire Partnership NHS Trust
- Croydon Health Services NHS Trust
- Cumbria Partnership NHS Foundation Trust
- Dartford and Gravesham NHS Trust
- Derbyshire Healthcare NHS Foundation Trust
- Devon Partnership NHS Trust
- Doncaster and Bassetlaw Teaching Hospitals NHS Foundation Trust
- Dorset County Hospital NHS Foundation Trust
- East and North Hertfordshire NHS Trust
- East Cheshire NHS Trust
- East Kent Hospitals University NHS Foundation Trust
- East Lancashire Hospitals NHS Trust
- East London NHS Foundation Trust
- East Suffolk and North Essex NHS Foundation Trust
- East Sussex Healthcare NHS Trust
- Epsom and St Helier University Hospitals NHS Trust
- Essex Partnership University NHS Foundation Trust
- Frimley Health NHS Foundation Trust
- Gateshead Health NHS Foundation Trust
- George Eliot Hospital NHS Trust
- Gloucestershire Hospitals NHS Foundation Trust
- Great Ormond Street NHS Foundation Trust
- Great Western Hospitals NHS Foundation Trust
- Guy's and St Thomas' NHS Foundation Trust
- Hampshire Hospitals NHS Foundation Trust
- Harrogate and District NHS Foundation Trust
- Hertfordshire Partnership University NHS Foundation Trust
- Homerton University Hospital NHS Foundation Trust
- Hull University Teaching Hospitals NHS Trust
- Humber Teaching NHS Foundation Trust
- Imperial College Healthcare NHS Trust
- Isle of Wight NHS Trust
- James Paget University Hospitals NHS Foundation Trust
- Kettering General Hospital NHS Foundation Trust
- King's College Hospital NHS Foundation Trust
- Kingston Hospital NHS Foundation Trust
- Lancashire Teaching Hospitals NHS Foundation Trust
- Leeds Teaching Hospitals NHS Trust
- Leicestershire Partnership NHS Trust
- Lewisham and Greenwich NHS Trust
- Lincolnshire Partnership NHS Foundation Trust
- London North West University Healthcare NHS Trust
- Luton and Dunstable University Hospital NHS Foundation Trust
- Maidstone and Tunbridge Wells NHS Trust
- Manchester University NHS Foundation Trust
- Medway NHS Foundation Trust
- Mid Cheshire Hospitals NHS Foundation Trust
- Mid Essex Hospital Services NHS Trust

- Mid Yorkshire Hospitals NHS Trust
- Midlands Partnership NHS Foundation Trust
- Milton Keynes University Hospital NHS Foundation Trust
- Moorfields Eye Hospital NHS Foundation Trust
- Norfolk and Norwich University Hospitals NHS Foundation Trust
- Norfolk and Suffolk NHS Foundation Trust
- North Bristol NHS Trust
- North East London NHS Foundation Trust
- North Middlesex University Hospital NHS Trust
- North Staffordshire Combined Healthcare Trust
- North West Anglia NHS Foundation Trust
- North West Boroughs Healthcare NHS Foundation Trust
- Northampton General Hospital NHS Trust
- Northamptonshire Healthcare NHS Foundation Trust
- Northern Devon Healthcare NHS Trust
- Northern Lincolnshire and Goole NHS Foundation Trust
- Northumbria Healthcare NHS Foundation Trust
- Nottingham University Hospitals NHS Trust
- Nottinghamshire Healthcare NHS Foundation Trust
- Oxford Health NHS Foundation Trust
- Oxford University Hospitals NHS Foundation Trust
- Oxleas NHS Foundation Trust
- Pennine Acute Hospitals NHS Trust
- Poole Hospital NHS Foundation Trust
- Portsmouth Hospitals NHS Trust
- Queen Victoria Hospital NHS Foundation Trust
- Robert Hones and Agnes Hunt Orthopaedic and District Hospital NHS Trust
- Rotherham Doncaster and South Humber NHS Foundation Trust
- Royal Berkshire NHS Foundation Trust
- Royal Brompton and Harefield NHS Foundation Trust
- Royal Cornwall Hospitals NHS Trust
- Royal Devon and Exeter NHS Foundation Trust
- Royal Free London NHS Foundation Trust
- Royal National Orthopaedic Hospital NHS Trust
- Royal Surrey NHS Foundation Trust
- Royal United Hospitals Bath NHS Foundation Trust
- Salford Royal NHS Foundation Trust
- Salisbury NHS Foundation Trust
- Sandwell and West Birmingham Hospitals NHS Trust
- Sheffield Teaching Hospitals NHS Foundation Trust
- Sherwood Forest Hospitals NHS Foundation Trust
- Shewsbury and Telford NHS Trust
- Solent NHS Trust
- Somerset Partnership NHS Foundation Trust
- South London and Maudsley NHS Foundation Trust
- South Tees Hospitals NHS Foundation Trust
- South Tyneside and Sunderland NHS Foundation Trust
- South Tyneside NHS Foundation Trust
- South Warwickshire NHS Foundation Trust
- Southend University Hospital NHS Foundation Trust
- St George's University Hospitals NHS Foundation Trust
- St Helens and Knowsley Hospitals NHS Trust
- Stockport NHS Foundation Trust
- Surrey and Borders Partnership NHS Foundation Trust
- Surrey and Sussex Healthcare NHS Trust
- Sussex Partnership NHS Foundation Trust
- Tameside Hospital NHS Foundation Trust
- Taunton and Somerset NHS Foundation Trust
- Tavistock and Portman NHS Foundation Trust
- Tees, Esk and Wear Valleys NHS Foundation Trust
- The Christie NHS Foundation Trust
- The Hillingdon Hospitals NHS Foundation Trust
- The Newcastle Upon Tyne Hospitals NHS Foundation Trust
- The Princess Alexandra Hospital NHS Trust
- The Queen Elizabeth Hospital, Kings Lynn, NHS Foundation Trust
- The Rotherham NHS Foundation Trust
- The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust
- The Royal Marsden NHS Foundation Trust
- The Royal Orthopaedic Hospital NHS Foundation Trust
- The Royal Wolverhampton NHS Trust
- Torbay and South Devon NHS Foundation Trust
- United Lincolnshire Hospitals NHS Trust
- University College London Hospitals NHS Foundation Trust
- University Hospital of Derby and Burton NHS Foundation Trust
- University Hospital Southampton NHS Foundation Trust
- University Hospitals Birmingham NHS Foundation Trust
- University Hospitals Bristol NHS Foundation Trust
- University Hospitals Coventry and Warwickshire NHS Trust
- University Hospitals of Leicester NHS Trust
- University Hospitals of Morcambe Bay NHS Foundation Trust
- University Hospitals of North Midlands
- University Hospitals Plymouth NHS Trust
- Walsall Healthcare NHS Trust
- Warrington and Halton Hospitals NHS Foundation Trust
- West Hertfordshire Hospitals NHS Trust
- West London NHS Trust
- West Suffolk NHS Foundation Trust
- Western Sussex Hospitals NHS Foundation Trust
- Wirral University Teaching Hospital NHS Foundation Trust
- Worcestershire Acute Hospitals NHS Trust
- Wrightington, Wigan and Leigh NHS Foundation Trust
- Wye Valley NHS Trust
- Yeovil District Hospital NHS Foundation Trust
- York Teaching Hospital NHS Foundation Trust
- Ayrshire and Arran NHS Health Board
- Borders NHS Health Board
- Dumfries and Galloway NHS Health Board
- Fife NHS Health Board
- Forth Valley NHS Health Board
- Grampian NHS Health Board
- Greater Glasgow and Clyde NHS Health Board
- Highland NHS Health Board
- Lanarkshire NHS Health Board
- Lothian NHS Health Board
- Orkney NHS Health Board
- Shetland NHS Health Board
- Tayside NHS Health Board

- Eileanan Siar Western Isles NHS Health Board
- Belfast Health and Social Care Trust
- South Eastern Health and Social Care Trust
- Northern Health and Social Care Trust
- Southern Health and Social Care Trust
- Western Health and Social Care Trust
- I am not currently undertaking any clinical work within the NHS
- Other:

3. Name of Surgeon

Screening for Asymptomatic Bacteriuria

Please indicate below whether you screen for ASB

4. Do you conduct screening for asymptomatic bacteriuria pre-operatively for patients undergoing lower limb arthroplasty? *

Mark only one oval.

- Yes
- No *Skip to question 5.*
- Don't know

Treatment of asymptomatic bacteriuria

Please indicate below if you then act upon the screening results

5. If a positive culture is obtained from the urine screening do you treat this empirically? *

Mark only one oval.

- Yes
- No
- Don't know

Pre-operative skin decolonisation

Please indicate your practice with regards to pre-operative skin decolonisation

6. Do you provide patients with anything to decolonise skin flora pre-operatively? If so please indicate.

Mark only one oval.

- No
- Chlorhexidine wipes
- Octenisan wash
- Other:

Screening for MRSA

Please indicate your practice for screening for MRSA

7. Do you screen patients for MRSA pre-operatively? *

Mark only one oval.

- Yes

- No *Skip to question 8.*
- Don't know *Skip to question 8.*

Treatment of patients colonised with MRSA

Please indicate your practice for treating patients colonised with MRSA

8. If patients are MRSA positive do you commence eradication therapy? *

Mark only one oval.

- Yes
- No
- Don't know

Screening for MSSA

Please indicate your practice for screening for MSSA

9. Do you screen patients for MSSA pre-operatively? *

Mark only one oval.

- Yes
- No *Skip to question 10.*
- Don't know *Skip to question 10.*
- Patients are treated empirically for MSSA colonisation without screening with nasal eradication therapy *Skip to question 10.*

Treatment for patients colonised with MSSA

Please indicate your practice for treating patients colonised with MSSA

10. If patients are MSSA positive do you commence eradication therapy? *

Mark only one oval.

- Yes
- No
- Don't know

Peri-operative catheterisation

Please indicate your preferred practice for urethral catheterisation peri-operatively.

11. Do you routinely catheterise patients pre-operatively? *

Mark only one oval.

- Yes
- No

12. Do you routinely catheterise patients post-operatively? *

Mark only one oval.

- Yes
- No

Antibiotic use in patients requiring a urinary catheter

Please indicate whether you would give antibiotics to a patient requiring a urinary catheter peri- operatively

13. Do you give antibiotics during insertion and / or removal of a urinary catheter should a patient require a catheter peri-operatively. *

Mark only one oval.

- No Skip to question 14.
- Antibiotics are given only when inserting a urinary catheter
- Antibiotics are given only when removing a urinary catheter
- Antibiotics are given both when a catheter is inserted or removed

Antibiotic choice peri-catheterisation

If you give antibiotics to patients receiving a urethral catheter peri-operatively please indicate agent/dose/route below.

14. What antibiotic would you give to patients requiring a peri-operative catheter? *

Mark only one oval.

- Gentamicin 80mg IV/IM
- Gentamicin 160mg IV/IM
- Gentamicin 240mg IV/IM
- Gentamicin 80mg PO
- Gentamicin 160mg PO
- Gentamicin 240mg PO
- Other:

Antibiotic choice

Please indicate whether your trust has an antibiotic policy for peri-operative catheterisation

15. Does your trust have an antibiotic policy for peri-operative catheterisation for patients undergoing a joint replacement? *

Mark only one oval.

- Yes
- No
- Don't know

Type of operating theatre

Please indicate what type of operating theatre you use when undertaking total joint replacement

16. What type of operating theatre do you use for total joint replacement? *

Mark only one oval.

- Laminar flow
- Ordinary positive pressure theatre
- Other:

Theatre attire

Please indicate your practice for gowning in theatre

17. What theatre attire is worn by staff undertaking arthroplasty? *

Mark only one oval.

- Impervious gown only
- Impervious gown with exhaust system (i.e Charnley pipes or similar)
- Surgical Helmet System (i.e. full hood with fan)
- Other:

Antibiotic prophylaxis intraoperatively

Please indicate what antibiotic prophylaxis you give to patients undergoing total joint replacement

18. Does your trust / hospital have microbiology guidance regarding prophylactic antibiotic use for patients undergoing primary arthroplasty? *

Mark only one oval.

- Yes
- No
- Don't know

19. What antibiotic agent/s do you use for primary arthroplasty (patients with no known allergies)? *

Mark only one oval.

- Teicoplanin 400mg
- Teicoplanin 800mg
- Cefuroxime 1.5g
- Tazocin 4.5g
- Flucloxacillin 1g
- Flucloxacillin 2g
- Teicoplanin 400mg & Gentamicin 3mg/kg
- Teicoplanin 800mg & Gentamicin 3mg/kg
- Flucloxacillin 1g & Gentamicin 3mg/kg
- Flucloxacillin 2g & Gentamicin 3mg/kg
- Other:

20. What antibiotic agent/s do you use for primary arthroplasty (patients with a penicillin allergy)? *

Mark only one oval.

- Teicoplanin 400mg
- Teicoplanin 800mg
- Cefuroxime 1.5g
- Teicoplanin 400mg & Gentamicin 3mg/kg
- Teicoplanin 800mg & Gentamicin 3mg/kg
- Other:

21. Do you a single dose of antibiotics at induction or give further doses post-op? *

Mark only one oval.

- Single dose only
- Further doses
- Other:

Thank you for taking part in this pilot study.

22. Please give any comments on how the study could be improved below