

Welcome to the Integrated Research Application System

IRAS Project Filter

The integrated dataset required for your project will be created from the answers you give to the following questions. The system will generate only those questions and sections which (a) apply to your study type and (b) are required by the bodies reviewing your study. Please ensure you answer all the questions before proceeding with your applications.

Please complete the questions in order. If you change the response to a question, please select 'Save' and review all the questions as your change may have affected subsequent questions.

Please enter a short title for this project (maximum 70 characters)

Intraoperative Hypotension in Elder Patients (IHypE)

1. Is your project research?

☒ Yes ☐ No

2. Select one category from the list below:

- ☐ Clinical trial of an investigational medicinal product
- ☐ Clinical investigation or other study of a medical device
- ☐ Combined trial of an investigational medicinal product and an investigational medical device
- ☐ Other clinical trial to study a novel intervention or randomised clinical trial to compare interventions in clinical practice
- ☐ Basic science study involving procedures with human participants
- ☐ Study administering questionnaires/interviews for quantitative analysis, or using mixed quantitative/qualitative methodology
- ☐ Study involving qualitative methods only
- ☐ Study limited to working with human tissue samples (or other human biological samples) and data (specific project only)
- ☒ Study limited to working with data (specific project only)
- ☐ Research tissue bank
- ☐ Research database

If your work does not fit any of these categories, select the option below:

☐ Other study

2a. Please answer the following question(s):

a) Will you be processing identifiable data at any stage of the research (including in the identification of participants)?

☒ Yes ☐ No

3. In which countries of the UK will the research sites be located? *(Tick all that apply)*

- ☒ England
- ☒ Scotland
- ☒ Wales
- ☒ Northern Ireland

3a. In which country of the UK will the lead NHS R&D office be located:

- ☒ England
☐ Scotland
☐ Wales
☐ Northern Ireland
☐ This study does not involve the NHS

4. Which applications do you require?

IMPORTANT: If your project is taking place in the NHS and is led from England select 'IRAS Form'. If your project is led from Northern Ireland, Scotland or Wales select 'NHS/HSC Research and Development Offices' and/or relevant Research Ethics Committee applications, as appropriate.

- ☒ IRAS Form
☒ Confidentiality Advisory Group (CAG)
☐ National Offender Management Service (NOMS) (Prisons & Probation)

For NHS/HSC R&D Offices in Northern Ireland, Scotland and Wales the CI must create NHS/HSC Site Specific Information forms, for each site, in addition to the study wide forms, and transfer them to the PIs or local collaborators.

For participating NHS organisations in England different arrangements apply for the provision of site specific information. Refer to IRAS Help for more information.

4a. Will you be seeking data from Hospital Episode Statistics (HES) or the Secondary Uses Service (SUS)?

- ☐ Yes ☒ No

Most research projects require review by a REC within the UK Health Departments' Research Ethics Service. Is your study exempt from REC review?

- ☐ Yes ☒ No

5. Will any research sites in this study be NHS organisations?

- ☒ Yes ☐ No

5a. Are all the research costs and infrastructure costs (funding for the support and facilities needed to carry out research e.g. NHS Support costs) for this study provided by a NIHR Biomedical Research Centre, NIHR Biomedical Research Unit, NIHR Collaboration for Leadership in Health Research and Care (CLAHRC), NIHR Patient Safety Translational Research Centre or a Diagnostic Evidence Co-operative in all study sites?

Please see information button for further details.

- ☐ Yes ☒ No

Please see information button for further details.

5b. Do you wish to make an application for the study to be considered for NIHR Clinical Research Network (CRN) Support and inclusion in the NIHR Clinical Research Network Portfolio?

Please see information button for further details.

☒ Yes ☐ No

The NIHR Clinical Research Network provides researchers with the practical support they need to make clinical studies happen in the NHS e.g. by providing access to the people and facilities needed to carry out research "on the ground".

If you select yes to this question, you must complete a NIHR Clinical Research Network (CRN) Portfolio Application Form (PAF) immediately after completing this project filter question and before submitting other applications. Failing to complete the PAF ahead of other applications e.g. HRA Approval, may mean that you will be unable to access NIHR CRN Support for your study.

6. Do you plan to include any participants who are children?

☐ Yes ☒ No

7. Do you plan at any stage of the project to undertake intrusive research involving adults lacking capacity to consent for themselves?

☐ Yes ☒ No

Answer Yes if you plan to recruit living participants aged 16 or over who lack capacity, or to retain them in the study following loss of capacity. Intrusive research means any research with the living requiring consent in law. This includes use of identifiable tissue samples or personal information, except where application is being made to the Confidentiality Advisory Group to set aside the common law duty of confidentiality in England and Wales. Please consult the guidance notes for further information on the legal frameworks for research involving adults lacking capacity in the UK.

8. Do you plan to include any participants who are prisoners or young offenders in the custody of HM Prison Service or who are offenders supervised by the probation service in England or Wales?

☐ Yes ☒ No

9. Is the study or any part of it being undertaken as an educational project?

☐ Yes ☒ No

10. Will this research be financially supported by the United States Department of Health and Human Services or any of its divisions, agencies or programs?

☐ Yes ☒ No

11. Will identifiable patient data be accessed outside the care team without prior consent at any stage of the project (including identification of potential participants)?

☐ Yes ☒ No

Integrated Research Application System

Application Form for Study limited to working with data (specific project only)

IRAS Form (project information)

Please refer to the E-Submission and Checklist tabs for instructions on submitting this application.

The Chief Investigator should complete this form. Guidance on the questions is available wherever you see this symbol displayed. We recommend reading the guidance first. The complete guidance and a glossary are available by selecting [Help](#).

Please define any terms or acronyms that might not be familiar to lay reviewers of the application.

Short title and version number: (maximum 70 characters - this will be inserted as header on all forms)
Intraoperative Hypotension in Elder Patients (IHypE)

Please complete these details after you have booked the REC application for review.

REC Name:
London-West London GTAC

REC Reference Number:
16/LO/1154

Submission date:
06/06/2016

PART A: Core study information

1. ADMINISTRATIVE DETAILS

A1. Full title of the research:

Intraoperative Hypotension in Elder Patients (IHypE): An Observational Study of Intraoperative Hypotension in patients aged over 65 in UK Hospitals

A3-1. Chief Investigator:

	Title Forename/Initials Surname
	Dr Daniel Martin
Post	Consultant in Anaesthesia and Critical Care, Senior Lecturer, UCL Division of Surgery and Interventional Science
Qualifications	FRCA FFICM
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Work E-mail	d.martin@ucl.ac.uk
* Personal E-mail	d.martin@ucl.ac.uk
Work Telephone	

* Personal Telephone/Mobile

Fax

** This information is optional. It will not be placed in the public domain or disclosed to any other third party without prior consent.*

A copy of a current CV (maximum 2 pages of A4) for the Chief Investigator must be submitted with the application.

A4. Who is the contact on behalf of the sponsor for all correspondence relating to applications for this project?

This contact will receive copies of all correspondence from REC and HRA/R&D reviewers that is sent to the CI.

	Title Forename/Initials Surname
	Ms Suzanne Emerton
Address	Research Portfolio Coordinator
	Joint Research Office, UCL
	Gower Street, London
Post Code	WC1E 6BT
E-mail	randd@uclh.nhs.uk
Telephone	02084477430
Fax	020310823132

A5-1. Research reference numbers. Please give any relevant references for your study:

Applicant's/organisation's own reference number, e.g. R & D (if available):	15/0970
Sponsor's/protocol number:	15/0970
Protocol Version:	5.3
Protocol Date:	14/11/2015
Funder's reference number:	
Project website:	http://www.i-hype.org/

Additional reference number(s):

Ref.Number	Description	Reference Number
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Registration of research studies is encouraged wherever possible. You may be able to register your study through your NHS organisation or a register run by a medical research charity, or publish your protocol through an open access publisher. If you have registered your study please give details in the "Additional reference number(s)" section.

A5-2. Is this application linked to a previous study or another current application?

☐ Yes ☒ No

Please give brief details and reference numbers.

2. OVERVIEW OF THE RESEARCH

To provide all the information required by review bodies and research information systems, we ask a number of specific questions. This section invites you to give an overview using language comprehensible to lay reviewers and members of the public. Please read the guidance notes for advice on this section.

A6-1. Summary of the study. Please provide a brief summary of the research (maximum 300 words) using language easily understood by lay reviewers and members of the public. Where the research is reviewed by a REC within the UK Health Departments' Research Ethics Service, this summary will be published on the Health Research Authority (HRA) website following the ethical review. Please refer to the question specific guidance for this question.

Low blood pressure during operations is common. In patients aged over 65 years this may cause an increased risk of complications including heart attack, stroke, kidney failure and death.

This study involves reviewing the anaesthesia care record to see how many patients are at particular risk of low blood pressure during an operation. Information on blood pressure during the operation and how the anaesthetist has used medicine to treat any low values will be collected. Basic demographic information will also be collected, including the type of operation.

A questionnaire will be given to anaesthetists to identify their thoughts on the importance of low blood pressure during operations.

The purpose of this study is twofold. Firstly to determine how often low blood pressure occurs during operations in elderly patients in the UK and whether this is linked to a higher risk of complications. Secondly we hope to determine how and why anaesthetists treat low blood pressure during operations.

We will use this information to complement work from other groups with the goal of reducing avoidable harm both at a national and local level.

A6-2. Summary of main issues. Please summarise the main ethical, legal, or management issues arising from your study and say how you have addressed them.

Not all studies raise significant issues. Some studies may have straightforward ethical or other issues that can be identified and managed routinely. Others may present significant issues requiring further consideration by a REC, HRA, or other review body (as appropriate to the issue). Studies that present a minimal risk to participants may raise complex organisational or legal issues. You should try to consider all the types of issues that the different reviewers may need to consider.

We believe this is a simple and low risk study both ethically and legally. We plan to collect information relating to low blood pressure during operations in people aged over 65 years old.

Local investigators will be part of the anaesthetic department in the hospital where the patient is being treated and therefore form part of the normal care team. As no burdensome additional tests, interventions or changes to care will be made, the patients will bear no additional risks. The data being collected is not sensitive, embarrassing or upsetting. The data being collected is already recorded as part of routine clinical care and will be anonymised. Additionally, no decisions affecting an individual patients care will be made based on the information collected by any member of the study team. By taking consent, we may exclude the sickest patients, who are both unable to consent and at greatest risk from low blood pressure during surgery potentially biasing the findings. We could therefore lose the most useful data, depriving future patients of the benefit of this study. For these reasons we do not intend to take consent from patients.

Local investigators will collect data from the anaesthesia care record. This information will be entered onto our database (hosted on NHS Scotland servers) via a secure web-based programme (Project REDCap) from password protected NHS desktop computers. The data will be stored securely on NHS servers. Patient hospital number is being collected for use when collecting outcomes information. No personal identifiable information will be transferred outside the local hospital, meaning only the local NHS staff will have access this information. The central research team will not have access any patient identifiable information. All data will be disposed of securely.

The main issue with project management is achieving data recording consistency across the network. Fortunately, all of the trainee research and audit networks affiliated to the Research and Audit federation of Trainees (RAFT) have experience in delivering multi-site projects. A training day is planned in early 2016 to ensure regional leads are delivering a consistent message with regards to data collection. Additionally, all investigators involved in the project will be required to complete the National Institute for Health Research's (NIHR) Good Clinical Practice e-learning, an online resource which aims to ensure that clinical research is conducted ethically and to high standards.

No member of the research team have a conflict of interest.

3. PURPOSE AND DESIGN OF THE RESEARCH

A7. Select the appropriate methodology description for this research. Please tick all that apply:

- ☐ Case series/ case note review
- ☐ Case control
- ☒ Cohort observation
- ☐ Controlled trial without randomisation
- ☐ Cross-sectional study
- ☐ Database analysis
- ☐ Epidemiology
- ☐ Feasibility/ pilot study
- ☐ Laboratory study
- ☐ Metanalysis
- ☐ Qualitative research
- ☒ Questionnaire, interview or observation study
- ☐ Randomised controlled trial
- ☐ Other (please specify)

A10. What is the principal research question/objective? Please put this in language comprehensible to a lay person.

The principal aim of this research is to record how often low blood pressure occurs in elderly patients whilst they are having surgery in the UK.

The findings will allow participating hospitals to review the care they provide for elderly patients having surgery, consider their current management strategies and compare themselves with others. Nationally, there is considerable established and emerging work on the clinical relevance of low blood pressure during surgery in the elderly, and this work will assist translating these findings into clinical practice by establishing the status of current practice, with the goal of reducing a potentially avoidable harm.

A11. What are the secondary research questions/objectives if applicable? Please put this in language comprehensible to a lay person.

The secondary objectives are:

1. To discover whether intraoperative low blood pressure is linked to heart injury, kidney injury, stroke or death in elderly patients in the UK
2. To identify when and how anaesthetists use medicines to treat low blood pressure in elderly patients having surgery.
3. To survey anaesthetists attitudes towards the importance of low blood pressure in elderly patients having surgery. This will be achieved using a tick box questionnaire.

A12. What is the scientific justification for the research? Please put this in language comprehensible to a lay person.

Low blood pressure commonly occurs when patients are anaesthetised for surgery. This happens as a consequence of the medicines used to provide general or regional (e.g. epidural) anaesthesia. However in elderly patients (aged over 65 years old) low blood pressure during surgery (also known as intraoperative hypotension) has been linked to increased risk of harm. These harms include stroke, heart injury, kidney injury and death (Bijker et al. 2012; Walsh et al. 2013; Monk et al. 2005). The risk of harm increases as the duration of low blood pressure increases (Walsh et al. 2013).

Best practice guidelines from the Association of Anaesthetists of Great Britain and Ireland (AAGBI, 2014) state that low blood pressure during surgery should be avoided in elderly patient. Despite these recommendations, there is continued debate over how low blood pressure during surgery is best defined.

This research is needed now because the frequency of low blood pressure during surgery in the elderly in the UK is not known. Additionally we know of no studies assessing anaesthetist attitudes towards low blood pressure during surgery nor any reporting how medicines are used to treat the blood pressure. Furthermore, how often the above complications occur in elderly surgical patients is not known. Approximately 2.9 million anaesthetics are given annually in the UK (Woodall & Cook, 2011) and the elderly population makes up an increasing proportion of this number. There is therefore significant potential to reduce harm associated with low blood pressure during surgery.

This study will tell us how often low blood pressure occurs in elderly patients having surgery, how long it persists for and how anaesthetists treat the problem. Additionally it will collect UK anaesthetists' views on the definition of low blood pressure during surgery and the importance of this problem. Combining this information will allow us to derive a clinician based definition of what constitutes low blood pressure during surgery. By performing the study in all hospitals affiliated to the Research and Audit Federation of Trainees (RAFT), a network of trainee anaesthetists, we can comment on intraoperative hypotension across the UK with as much authority as possible. Our work will complement that of other researchers, with the goal of reducing potentially avoidable harm.

References:

Bijker JB, Persoon S, Peelen LM, Moons KG, Kalkman CJ, Kappelle LJ, van Klei WA (2012) Intraoperative hypotension and perioperative ischemic stroke after general surgery: A nested case-control study. *Anesthesiology*. 116: 658–64.

Walsh M, Devereaux PJ, Garg AX, Kurz A, Turan A, Rodseth RN, Cywinski J, Thabane L, Sessler DI (2013) Relationship between intraoperative mean arterial pressure and clinical outcomes after noncardiac surgery: Toward an empirical definition of hypotension. *Anesthesiology*. 119: 507–15.

Monk TG, Saini V, Weldon BC, Sigl JC (2005) Anesthetic management and one-year mortality after noncardiac surgery. *Anesthesia & Analgesia*. 100: 4–10.

Griffiths R, Beech F, Brown A, Dhesei J, Foo I, Goodall J, Harrop-Griffiths W, Jameson J, Love N, Pappenheim K and White S (2014). AAGBI working party: Peri-operative care of the elderly 2014. *Anaesthesia*. 69 (Suppl. 1): 81–98.

Woodall NM and Cook TM (2011) National census of airway management techniques used for anaesthesia in the UK: first phase of the Fourth National Audit Project at the Royal College of Anaesthetists. *British Journal of Anaesthesia*. 106 (2): 266–271.

A13. Please summarise your design and methodology. *It should be clear exactly what will happen to the research participant, how many times and in what order. Please complete this section in language comprehensible to the lay person. Do not simply reproduce or refer to the protocol. Further guidance is available in the guidance notes.*

Hypotheses:

1. Prolonged severe intraoperative hypotension is common in elderly surgical patients.
2. Intraoperative hypotension is inadequately treated, in part due to lack of a clear definition.
3. Intraoperative hypotension leads to increased risk of cardiovascular complications.

Sampling: This retrospective observational study will take place over two days in all NHS hospitals in the UK with trainee anaesthetists affiliated to the Research and Audit Federation of Trainees (RAFT). To increase coverage of the UK, the project is being advertised to trainees in hospitals not part of a formal research network. Each hospital taking part will have a nominated anaesthetic consultant and trainee who will act as local investigators collecting data.

Sample size: No formal sample size calculation has been made; we intend to capture as many patients' data as possible over the study period.

Identifying participants: Patients will be identified by local trainee investigators (independent of delivery of anaesthesia but part of the anaesthetic department of the hospital) from operating department lists and whilst patients are in recovery after surgery on the days of the study.

Likely response rates: Intraoperative hypotension data will be collected on all eligible patients who undergo elective or emergency surgery during the study period. Based on a London wide pilot study we anticipate collecting data on approximately 15–20 patients per site.

Validation of tools:

- Intraoperative hypotension: The data collection tool has previously been used in a London wide pilot audit, which showed it to be simple to complete and yield useful results.
- Anaesthetist survey: each anaesthetist whose patients were included in the study will be asked to complete a survey asking about their attitudes towards intraoperative hypotension. The questionnaire is adapted from Burns & Cowan

(Anaesthesia 2001; 56(8): 794-8) who have used these questions in a study assessing physician views on intraoperative hypotension in the obstetric population. If more than one anaesthetist was present in theatre (e.g. both a consultant and trainee), both will be asked to complete the survey. Consent to participate will be assumed if the anaesthetist completes the survey.

Data handling:

Data will be collected from the paper or electronic anaesthetic record. Only routine clinical data will be included and where this is unavailable the domain will be left blank. Identifiable patient data (hospital number) will be collected in order to allow follow-up of clinical outcomes which will be collected 30 days after surgery. All other patient identifiable information will be removed.

The completed data collection and survey forms will be taken directly to a secure location accessible by the local investigator. The data will be entered electronically via a secure encrypted connection into an online portal managed by RAFT and hosted by NHS Scotland. The software used for data capture will be REDCap (Research Electronic Data Capture – <http://www.project-redcap.org>). REDCap is a mature, secure web application for building and managing online surveys and databases. Each dataset entered on will generate a unique identifier; local investigators will be asked to keep a log of their unique identifiers linked to local hospital identification numbers. No personal identifiable information will be transferred outside the local hospital environment either electronically or on paper. The hospital number will remain within the respective trusts, meaning only the local NHS staff responsible for care have access to personal identifying information.

The study database will be closed for data entry 2 weeks after the study completion date. The anonymised responses from participating hospitals across the country will be analysed by a team of researchers based in London.

A14-2. Have you tested the acceptability of using patient identifiable data in this study without consent?

Please give details.

A patient panel has reviewed this project on two occasions.

Initially, patients were involved in a review of the project when piloted in London across 25 hospitals as an audit. This collected a similar dataset using similar methodology, but instead against several defined national standards, but did not include outcomes. The patient panel rated the project 7.6/10 with mostly positive comments on the collaborative nature and that older people were being studied.

A second 8 patient panel has reviewed the current project, both generally and specifically looking at the acceptability of using patient data without consent. The feedback was all strongly supportive or supportive. No one raised objections to using data without consent, however they did comment that patients would probably like to be involved and be aware of the project.

4. RISKS AND ETHICAL ISSUES

RESEARCH PARTICIPANTS

A15. What is the sample group or cohort to be studied in this research?

Select all that apply:

- ☐ Blood
- ☐ Cancer
- ☐ Cardiovascular
- ☐ Congenital Disorders
- ☐ Dementias and Neurodegenerative Diseases
- ☐ Diabetes
- ☐ Ear
- ☐ Eye
- ☒ Generic Health Relevance

- ☐ Infection
- ☐ Inflammatory and Immune System
- ☐ Injuries and Accidents
- ☐ Mental Health
- ☐ Metabolic and Endocrine
- ☐ Musculoskeletal
- ☐ Neurological
- ☐ Oral and Gastrointestinal
- ☐ Paediatrics
- ☐ Renal and Urogenital
- ☐ Reproductive Health and Childbirth
- ☐ Respiratory
- ☐ Skin
- ☐ Stroke

Gender: Male and female participants

Lower age limit: 65 Years

Upper age limit: No upper age limit

A17-1. Please list the principal inclusion criteria (list the most important, max 5000 characters).

Inclusion criteria:

- Aged >65 years
- Underwent general anaesthesia or regional anaesthesia either alone or in combination in an operating theatre.
- Emergency and elective surgery

A17-2. Please list the principal exclusion criteria (list the most important, max 5000 characters).

Procedure requires cardiopulmonary bypass.

The patient undergoes sedation alone (that is, not in combination with regional anaesthesia).

RECRUITMENT AND INFORMED CONSENT

In this section we ask you to describe the recruitment procedures for the study. Please give separate details for different study groups where appropriate.

A27-1. How will potential participants, records or samples be identified? Who will carry this out and what resources will be used? For example, identification may involve a disease register, computerised search of GP records, or review of medical records. Indicate whether this will be done by the direct healthcare team or by researchers acting under arrangements with the responsible care organisation(s).

Adults aged ≥ 65 years or older undergoing any type of surgery in an operating theatre in an NHS hospital in the UK, on the designated days of the study will be identified by local trainee investigators (independent of delivery of anaesthesia but part of the anaesthetic department of the hospital and therefore the usual care team) from operating department lists and whilst in recovery after surgery on the days of the study. Data will be collected on all eligible patients who undergo elective or emergency surgery during the study period.

Anaesthetists whose patients were included in the study will be asked to complete the survey about their attitudes towards intraoperative hypotension. If more than one anaesthetist was present in theatre (e.g. both a consultant and trainee), both will be asked to complete the survey.

A27-2. Will the identification of potential participants involve reviewing or screening the identifiable personal information of patients, service users or any other person?

☒ Yes ☐ No

Please give details below:

The patients will be identified from operating theatre lists on the days on which the study takes place. There will be no need for access to medical records to assess suitability for inclusion, as all patients aged >65 on the study dates will be able to participate. Operating theatre lists are only available to clinical staff within theatres in each NHS organisation. All local investigators will be NHS anaesthetic department staff.

A27-3. Describe what measures will be taken to ensure there is no breach of any duty of confidentiality owed to patients, service users or any other person in the process of identifying potential participants. Indicate what steps have been or will be taken to inform patients and service users of the potential use of their records for this purpose. Describe the arrangements to ensure that the wishes of patients and service users regarding access to their records are respected. Please consult the guidance notes on this topic.

This is a non-consenting study, therefore no steps have been taken to inform patients about the use of their records.

Patients will be identified on the day of surgery from published theatre lists which contain limited personal identifiable information including age and hospital number (the two items of relevance in this study). These lists are routinely distributed to the clinical care team to enable them to complete their work using a variety of confidential methods including:

1. NHS trust e-mail accessed from secure password protected NHS desktop computers.
2. A specific theatre rostering programme, accessible via individual username/ password and only available on password protected NHS desktop computers.
3. Print outs displayed confidentially in staff only areas.

The individuals collecting data will be members of the anaesthetic department where the patients are treated, and therefore make up part of the clinical care team. Local investigators are required to complete Good Clinical Practice training to ensure the research is carried out following best practice.

Although this is a non-consenting study, posters will be displayed in participating departments which will highlight the project. If a patient enquires, a structured information leaflet is available. Patients will be able to request that their data is not used.

A27-4. Will researchers or individuals other than the direct care team have access to identifiable personal information of any potential participants?

☐ Yes ☒ No

A28. Will any participants be recruited by publicity through posters, leaflets, adverts or websites?

☐ Yes ☒ No

A29. How and by whom will potential participants first be approached?

Potential participants will be approached by a local investigator, a doctor within the anaesthetic department at the hospital where the patient is treated, following screening of operating theatre lists for the days of the study.

A30-1. Will you obtain informed consent from or on behalf of research participants?

☐ Yes ☒ No

If you will be obtaining consent from adult participants, please give details of who will take consent and how it will be done, with details of any steps to provide information (a written information sheet, videos, or interactive material). Arrangements for adults unable to consent for themselves should be described separately in Part B Section 6, and for

children in Part B Section 7.

If you plan to seek informed consent from vulnerable groups, say how you will ensure that consent is voluntary and fully informed.

If you are not obtaining consent, please explain why not.

We anticipate that patient consent will not be required for this study as the dataset will only include information already recorded as part of routine clinical care, all data will be anonymised and no identifiable information (apart from gender) will be shared outside of the individual hospital where the patient is treated.

By taking consent for inclusion, we could bias the results by excluding sicker and frailer patients whose blood pressure and outcomes data is potentially the most interesting, and who, in future, would benefit most from this study's findings. Identifiable patient data (apart from gender) will not leave the hospital where each individual patient is treated. The data being collected is not sensitive or embarrassing. No additional tests or interventions are being made and no changes will be made to patient care. The clinicians collecting the data will be part of the anaesthetic department in the NHS hospital in which the patient is being treated and can therefore be considered part of the normal care team. Additionally, asking for consent would be impractical as we anticipate recruiting approximately 2000-3000 patients; in taking consent we would limit the number of patients recruited, limiting the generalisability and usefulness of the findings.

Study information will be displayed in patient areas within operating theatre departments of participating hospitals to ensure that patients can register dissent in relation to the research activity. Patients will be able to decline participation or withdraw at any time without providing a reason.

Similarly, the survey of anaesthetists (see protocol appendix 2) asks no sensitive questions and collects no anaesthetist or patient identifiable data. Information will be provided about the study for the anaesthetists. Completion of the proforma will be considered as the anaesthetist providing their consent to be included in the study.

Please enclose a copy of the information sheet(s) and consent form(s).

A30-3. Why is it not practicable for either the researcher's organisation, or the current holder of the information required by the researcher, to seek or obtain patient consent for proposed use of patient identifiable information?

The data being collected is already documented as part of routine care and will be anonymised prior to transfer from the hospitals where the patient is treated.

By taking consent for inclusion, we could bias the results by excluding sicker and frailer patients whose blood pressure and outcomes data is potentially the most interesting, and who, in future, would benefit most from this study's findings.

We anticipate recruiting approximately 2000-3000 patients. By taking consent we would limit the number of patients recruited, limiting the generalisability and usefulness of the findings.

CONFIDENTIALITY

In this section, personal data means any data relating to a participant who could potentially be identified. It includes pseudonymised data capable of being linked to a participant through a unique code number.

Storage and use of personal data during the study

A36. Will you be undertaking any of the following activities at any stage (including in the identification of potential participants)? (Tick as appropriate)

- ☐ Access to medical records by those outside the direct healthcare team
- ☐ Access to social care records by those outside the direct social care team
- ☒ Electronic transfer by magnetic or optical media, email or computer networks
- ☐ Sharing of personal data with other organisations
- ☐ Export of personal data outside the EEA
- ☐ Use of personal addresses, postcodes, faxes, emails or telephone numbers

- ☐ Publication of direct quotations from respondents
- ☐ Publication of data that might allow identification of individuals
- ☐ Use of audio/visual recording devices
- ☒ Storage of personal data on any of the following:
 - ☒ Manual files (includes paper or film)
 - ☒ NHS computers
 - ☐ Social Care Service computers
 - ☐ Home or other personal computers
 - ☐ University computers
 - ☐ Private company computers
 - ☐ Laptop computers

Further details:

A37. Please describe the physical security arrangements for storage of personal data during the study?

All information for the trial will be held securely and treated as strictly confidential according to NHS policies.

Personal data entered onto paper case report forms (CRF) will be stored in a locally arranged secure location, typically a drawer or filing cabinet in a locked anaesthetic consultants office accessed by key or swipe card. Only the consultant would have access to his/her office. Anaesthetic department offices are commonly located in the operating theatre complex, which is itself a secure environment.

Local investigators will keep a log of patients and their unique identifiers as an excel file on a password protected NHS desktop computer. This log will be held locally until a specified time point (5 years after the study ends) when it will be destroyed confidentially.

No patient identifiable information will leave the local hospital either in paper or electronic format. Anonymised data submitted to the central research team via the secure encrypted online portal REDCap will be stored on NHS National Services Scotland (NSS) secure SHOW (Scottish Health on the Web) network servers which are protected both physically and electronically. After collation at NSS SHOW, the data will be transferred to the UCL data safe haven for final analysis and data storage.

A38. How will you ensure the confidentiality of personal data? Please provide a general statement of the policy and procedures for ensuring confidentiality, e.g. anonymisation or pseudonymisation of data.

The NHS code of confidentiality will be followed for local management of paper questionnaires. Hospital number will be collected in order to allow follow-up of clinical outcomes. All other patient identifiable information will be removed prior to being entered electronically (this is the point at which anonymisation occurs) via a secure encrypted connection into an online portal (REDCap, Research Electronic Data Capture – <http://www.project-redcap.org>) managed by RAFT and hosted by NHS Scotland (i.e. the data will be stored on secure NHS Scotland servers).

Local investigators will keep a log of patients and their unique identifiers as an excel file on a password protected NHS desktop. When the data from paper CRFs has been entered into REDCap, the CRFs will be returned to their secure storage in a locked office. Study related documents will be archived locally by the principal investigator until a specified time point (5 years after the study ends) when it will be destroyed confidentially.

The anonymised electronic data held on NHS Scotland servers is protected both electronically and physically (see question A37). After collation at NSS SHOW, the data will be transferred to UCL data safe haven for final analysis and data storage. The information will be deleted confidentially after a specified time point (20 years after the end of the study).

All staff involved in the study will be anaesthetic doctors, who are familiar with handling personal information confidentially and who will have completed Good Clinical Practice Training. All staff share the same duty of care to prevent unauthorised disclosure of personal information.

A39. Please specify whether identifiers will be held in the same database as the clinical data, or in a separate database and linked through a unique study or case number. If held separately, please specify how and at what point the separation will occur. If held in the same database, will the identifiers be encrypted? If so, specify what will be encrypted and who will continue to have access.

Patient identifiable data being collected is gender and hospital number.

- Hospital number is being collected to allow follow-up of outcomes at 30 days and will not leave the local hospital.
- Gender is being collected to define the population studied and will be held in the same database as the clinical data.

The data will be anonymised prior to transfer to the iHypE study management team. The anonymised information will be entered into an online portal managed by the Reserach and Audit Federation of Trainees (RAFT) and hosted by NHS Scotland via a secure encrypted connection from password protected NHS desktop computers. The software used for data capture will be REDCap (Research Electronic Data Capture – <http://www.project-redcap.org>). REDCap is a mature, secure web application for building and managing online surveys and databases.

Each patient dataset will generate a unique identifier; local investigators will keep an electronic log of these unique identifiers linked to local hospital identification numbers on a password protected NHS desktop computer. Thus the study management team will not have access to patient identifiable information, furthermore, no attempt will be made to identify any individual patient.

Only the iHypE trainee lead will have full access to the complete anonymised electronic dataset. All actions on the REDCap system are logged.

A40. Who will have access to participants' personal data during the study? Where access is by individuals outside the direct care team, please justify and say whether consent will be sought.

Only local investigators will have access to participants' personal data during and after the study. The local investigators will be members of the anaesthetic department in the hospital where the patient is being treated and as such form part of the clinical care team.

All staff involved in the study (clinical, academic) share the same duty of care to prevent unauthorised disclosure of personal information.

Storage and use of data after the end of the study

A41. Where will the data generated by the study be analysed and by whom?

The data will be analysed by the chief investigator and lead trainee investigator on password protected NHS desktop computers.

Personal data (apart from gender) will not be transferred outside of the local hospital in either paper or electronic format. No data will be transported aoutside of the UK.

A42. Who will have control of and act as the custodian for the data generated by the study?

	Title Forename/Initials Surname
	Dr Daniel Martin
Post	Consultant in Anaesthesia and Critical Care, Royal Free Hospital; Senior Lecturer, UCL Division of Surgery and Interventional Science
Qualifications	BSc, MBChB, FRCA, FFICM, PhD
Work Address	Perioperative and Critical Care Research Office University College London Division of Surgery and In
	4th Floor, Royal Free Hospital
	London
Post Code	NW3 2QG
Work Email	daniel.martin@ucl.ac.uk
Work Telephone	02077940500

Fax

A43. How long will personal data be stored or accessed after the study has ended?

- ☒ Less than 3 months
☐ 3 – 6 months
☐ 6 – 12 months
☐ 12 months – 3 years
☐ Over 3 years

A44. For how long will you store research data generated by the study?

Years: 20

Months: 0

A45. Please give details of the long term arrangements for storage of research data after the study has ended. Say where data will be stored, who will have access and the arrangements to ensure security.

The study master files will be stored electronically on an approved secure computer (a data safe haven) at the sponsor organisation for 20 years following the end of the study.

Only the chief investigator and sponsor organisation R&D lead will have access.

The electronic data will be disposed confidentially following NHS guidelines.

INCENTIVES AND PAYMENTS**A46. Will research participants receive any payments, reimbursement of expenses or any other benefits or incentives for taking part in this research?**

- ☐ Yes ☒ No

A47. Will individual researchers receive any personal payment over and above normal salary, or any other benefits or incentives, for taking part in this research?

- ☐ Yes ☒ No

A48. Does the Chief Investigator or any other investigator/collaborator have any direct personal involvement (e.g. financial, share holding, personal relationship etc.) in the organisations sponsoring or funding the research that may give rise to a possible conflict of interest?

- ☐ Yes ☒ No

NOTIFICATION OF OTHER PROFESSIONALS**PUBLICATION AND DISSEMINATION**

A50. Will the research be registered on a public database?

☐ Yes ☒ No

Please give details, or justify if not registering the research.

We are unaware of a suitable register, however we will make our protocol available on our website and disseminate our results appropriately.

Registration of research studies is encouraged wherever possible.

You may be able to register your study through your NHS organisation or a register run by a medical research charity, or publish your protocol through an open access publisher. If you are aware of a suitable register or other method of publication, please give details. If not, you may indicate that no suitable register exists. Please ensure that you have entered registry reference number(s) in question A5-1.

A51. How do you intend to report and disseminate the results of the study? Tick as appropriate:

- ☒ Peer reviewed scientific journals
- ☒ Internal report
- ☒ Conference presentation
- ☒ Publication on website
- ☐ Other publication
- ☐ Submission to regulatory authorities
- ☐ Access to raw data and right to publish freely by all investigators in study or by Independent Steering Committee on behalf of all investigators
- ☐ No plans to report or disseminate the results
- ☐ Other (please specify)

A52. If you will be using identifiable personal data, how will you ensure that anonymity will be maintained when publishing the results?

The only personal identifiable data being used in analysis is gender. This will be used to define the baseline characteristics of the patient cohort in a publication and will not affect an individuals anonymity.

No other identifiable information is being processed.

A53. Will you inform participants of the results?

☒ Yes ☐ No

Please give details of how you will inform participants or justify if not doing so.

The results will be made available on the study website. The website will be advertised on information posters placed in participating theatre complexes.

Anaesthetists completing the survey will receive information on how to access the website. Additionally, the results will be presented locally in each department to enable practice improvement.

5. Scientific and Statistical Review**A54. How has the scientific quality of the research been assessed? Tick as appropriate:**

- ☒ Independent external review
- ☐ Review within a company
- ☒ Review within a multi-centre research group

- ☐ Review within the Chief Investigator's institution or host organisation
- ☐ Review within the research team
- ☐ Review by educational supervisor
- ☐ Other

Justify and describe the review process and outcome. If the review has been undertaken but not seen by the researcher, give details of the body which has undertaken the review:

The project has been reviewed by the Health Sciences Research Centre of the National Institute of Academic Anaesthesia and the Research and Audit Federation of Trainees (www.rafrtrainees.com). The project has also reviewed and refined within the chief investigators research collaborative (The Pan London Perioperative Audit & Research Network, uk-PLAN.net)

For all studies except non-doctoral student research, please enclose a copy of any available scientific critique reports, together with any related correspondence.

For non-doctoral student research, please enclose a copy of the assessment from your educational supervisor/ institution.

A56. How have the statistical aspects of the research been reviewed? Tick as appropriate:

- ☐ Review by independent statistician commissioned by funder or sponsor
- ☒ Other review by independent statistician
- ☐ Review by company statistician
- ☐ Review by a statistician within the Chief Investigator's institution
- ☐ Review by a statistician within the research team or multi-centre group
- ☐ Review by educational supervisor
- ☐ Other review by individual with relevant statistical expertise
- ☒ No review necessary as only frequencies and associations will be assessed – details of statistical input not required

In all cases please give details below of the individual responsible for reviewing the statistical aspects. If advice has been provided in confidence, give details of the department and institution concerned.

	Title Forename/Initials Surname
	Dr Mizan Khondoker
Department	Department of Applied Health Research
Institution	University College London
Work Address	1-19 Torrington Place
	London
Post Code	WC1E 7HB
Telephone	02031083952
Fax	
Mobile	
E-mail	m.khondoker@ucl.ac.uk

Please enclose a copy of any available comments or reports from a statistician.

A57. What is the primary outcome measure for the study?

Proportion of elderly patients developing intraoperative hypotension in during anaesthesia in UK hospitals.

A58. What are the secondary outcome measures?(if any)

Percentage and actual reduction in blood pressure from baseline.
 Duration of intraoperative hypotension.
 Difference between pre-operative blood pressure and pre-induction blood pressure.
 Associations between different surgical specialities and anaesthetic techniques and intraoperative hypotension.
 Outcomes (myocardial injury, acute kidney injury, stroke and death) after surgery in the elderly.
 Use of vasopressors to treat intraoperative hypotension and blood pressure values triggering use.
 Anaesthetist perceptions of intraoperative hypotension importance.

A59. What is the sample size for the research? *How many participants/samples/data records do you plan to study in total? If there is more than one group, please give further details below.*

Total UK sample size: 1500
 Total international sample size (including UK): 1500
 Total in European Economic Area: 1500

Further details:

Approximately 2.9 million general anaesthetics are given annually in the UK. An unknown amount (but much smaller) of procedures are performed under regional anaesthesia.

Simple calculations suggest that approximately 8000 operations take place per day. Patients aged over 65 years old are estimated to make up 17% of the population (ONS, 2014). Therefore there is an event rate of ~2800, however this overlooks the fact that the elderly are over-represented amongst the surgical population. In a pilot study in London each hospital recruited a mean of 15 patients. At a conservative capture rate of approximately 50% we hope to collect data on 1500 patients.

A60. How was the sample size decided upon? *If a formal sample size calculation was used, indicate how this was done, giving sufficient information to justify and reproduce the calculation.*

No statistical power calculation for sample size has been performed.

We aim to capture data from as elderly (>65 years old) patients undergoing surgery during the study period as possible.

A61. Will participants be allocated to groups at random?

☐ Yes ☒ No

A62. Please describe the methods of analysis (statistical or other appropriate methods, e.g. for qualitative research) by which the data will be evaluated to meet the study objectives.

Descriptive statistics will be used to describe national rates of intraoperative hypotension, degree of hypotension and duration.

We will compare:

- Frequencies, degree and durations of intraoperative hypotension from paper anaesthetic charts and electronic data collection.
- Pre-operative blood pressure with pre-induction blood pressure
- Associations between different surgical specialities and anaesthetic techniques and intraoperative hypotension.

No comparisons will be made between hospitals as it is unlikely that individual centres will recruit enough patients to conduct meaningful evaluations. Our results will be reported numerically and graphically.

The anaesthetist survey will be analysed using descriptive statistics, frequencies and one and two way tables. The intraoperative data will be compared to the survey data to identify any differences between practice and perceptions. Individual clinician responses will not be linked to their blood pressure data.

The proportion of patients having one of the described clinical outcomes will be reported. Based on existing datasets,

we do not anticipate this study being powered to determine associations between intra-operative hypotension and outcomes, accordingly, no statistical power calculation has been performed.

6. MANAGEMENT OF THE RESEARCH

A63. Other key investigators/collaborators. Please include all grant co-applicants, protocol co-authors and other key members of the Chief Investigator's team, including non-doctoral student researchers.

	Title Forename/Initials Surname
	Dr Alex Wickham
Post	Specialty Registrar in Anaesthesia
	MBBS
Qualifications	BSc (Hons)
	FRCA
Employer	Royal Brompton and Harefield NHS Foundation Trust
Work Address	Department of Anaesthesia, Harefield Hospital
	Hill End Road
	Harefield
Post Code	UB9 6JH
Telephone	
Fax	
Mobile	07734819931
Work Email	alex.wickham@nhs.net
	Title Forename/Initials Surname
	Dr David Highton
Post	Registrar in Anaesthesia & Academic Clinical Fellow
	MBBS
Qualifications	FRCA
	FFICM
Employer	University College London Hospitals NHS Trust
Work Address	Department of Anaesthesia, The National Hospital for Neurology and Neurosurgery
	Queen Square
	London
Post Code	WC1N 3BG
Telephone	
Fax	
Mobile	07960670345
Work Email	d.highton@ucl.ac.uk
	Title Forename/Initials Surname
	Dr Thomas Clark
Post	Consultant in Critical Care and Anaesthesia
	MBBS
Qualifications	FRCA
	FFICM
Employer	Department of Anaesthesia, Torbay and South Devon NHS Foundation Trust
Work Address	Newton Road

Torquay
Devon
Post Code TQ2 7AA
Telephone
Fax
Mobile 07718997862
Work Email thomasclark1@nhs.net

Title Forename/Initials Surname
Dr Michael Nathanson
Post Consultant Anaesthetist
Qualifications MBBS
MRCP
FRCA
Employer Nottingham University Hospitals NHS Trust
Work Address Department of Anaesthesia, Queen's Medical Centre Campus
Nottingham University Hospitals NHS Trust
Nottingham
Post Code NG7 2UH
Telephone 01159709195
Fax
Mobile 07973478683
Work Email mike@nathanson.info

Title Forename/Initials Surname
Dr Joyce Yeung
Post Clinician Scientist in Anaesthesia, NIHR Post Doctoral Fellow & Honorary consultant in anaesthesia and critical care
Qualifications MBChB
PhD
FRCA
Employer Heart of England NHS Foundation Trust
Work Address Department of Anaesthesia, Birmingham Heartlands Hospital
Bordersley Green
East Birmingham
Post Code B9 5SS
Telephone 01213713229
Fax
Mobile
Work Email j.yeung@bham.ac.uk

Title Forename/Initials Surname
Dr Samuel Clark
Post Oxford Intensive Care Medicine Echocardiography Clinical Fellow
Qualifications MBBS
FRCA
Employer Oxford University Hospitals Foundation Trust
Work Address Intensive Care Unit, John Radcliffe Hospital
Headley Way
Headington
Post Code OX3 9DU

Telephone
Fax
Mobile 07921237431
Work Email samhclark@aol.com

A64. Details of research sponsor(s)**A64-1. Sponsor****Lead Sponsor**Status: ☐ NHS or HSC care organisation☒ Academic☐ Pharmaceutical industry☐ Medical device industry☐ Local Authority☐ Other social care provider (including voluntary sector or private organisation)☐ Other

Commercial status: Non-Commercial

*If Other, please specify:***Contact person**

Name of organisation University College London

Given name Tabitha

Family name Kavoi

Address Joint Research Office, 1st Floor Maple House (Suite B), 149 Tottenham Court Road

Town/city London

Post code W1T 7DN

Country UNITED KINGDOM

Telephone 02034477430

Fax 02031082312

E-mail randd@uclh.nhs.uk

Is the sponsor based outside the UK?☐ Yes ☒ No*Under the Research Governance Framework for Health and Social Care, a sponsor outside the UK must appoint a legal representative established in the UK. Please consult the guidance notes.***A65. Has external funding for the research been secured?**☐ Funding secured from one or more funders☒ External funding application to one or more funders in progress

☐ No application for external funding will be made

What type of research project is this?

- ☒ Standalone project
☐ Project that is part of a programme grant
☐ Project that is part of a Centre grant
☐ Project that is part of a fellowship/ personal award/ research training award
☐ Other

Other – please state:

Please give details of funding applications.

Organisation AAGBI/Anaesthesia Research Grants
Address National Institute of Academic Anaesthesia
 Churchill House, London
 35 Red Lion Square
Post Code WC1R 4SG
Telephone
Fax
Mobile
Email

Funding Application Status: ☐ Secured ☒ In progress

Date Funding decision expected:

Amount:

Duration

Years:

Months:

If applicable, please specify the programme/ funding stream:

What is the funding stream/ programme for this research project?

A66. Has responsibility for any specific research activities or procedures been delegated to a subcontractor (other than a co-sponsor listed in A64-1) ? Please give details of subcontractors if applicable.

☐ Yes ☒ No

A67. Has this or a similar application been previously rejected by a Research Ethics Committee in the UK or another country?

☐ Yes ☒ No

Please provide a copy of the unfavourable opinion letter(s). You should explain in your answer to question A6-2 how the reasons for the unfavourable opinion have been addressed in this application.

A68-1. Give details of the lead NHS R&D contact for this research:

	Title Forename/Initials Surname
	Ms Suzanne Emerton
Organisation	University College London
Address	Joint Research Office, University College London Gower Street London
Post Code	WC1E 6BT
Work Email	randd@uclh.nhs.uk
Telephone	02034477430
Fax	02031082312
Mobile	

Details can be obtained from the NHS R&D Forum website: <http://www.rdforum.nhs.uk>

A68-2. Select Local Clinical Research Network for NHS Organisation identified in A68-1:

North Thames

For more information, please refer to the question specific guidance.

A69-1. How long do you expect the study to last in the UK?

Planned start date: 03/10/2016

Planned end date: 01/11/2016

Total duration:

Years: 0 Months: 0 Days: 30

A71-1. Is this study?

- ☐ Single centre
☒ Multicentre

A71-2. Where will the research take place? (Tick as appropriate)

- ☒ England
☒ Scotland
☒ Wales
☒ Northern Ireland
☐ Other countries in European Economic Area

Total UK sites in study 150

Does this trial involve countries outside the EU?

- ☐ Yes ☒ No

A72. Which organisations in the UK will host the research? Please indicate the type of organisation by ticking the box and give approximate numbers if known:

- | | |
|---------------------------------------------------------------------------------------------------|-----|
| <input checked="" type="checkbox"/> NHS organisations in England | 151 |
| <input checked="" type="checkbox"/> NHS organisations in Wales | 16 |
| <input checked="" type="checkbox"/> NHS organisations in Scotland | 6 |
| <input checked="" type="checkbox"/> HSC organisations in Northern Ireland | 8 |
| <input type="checkbox"/> GP practices in England | |
| <input type="checkbox"/> GP practices in Wales | |
| <input type="checkbox"/> GP practices in Scotland | |
| <input type="checkbox"/> GP practices in Northern Ireland | |
| <input type="checkbox"/> Joint health and social care agencies (eg community mental health teams) | |
| <input type="checkbox"/> Local authorities | |
| <input type="checkbox"/> Phase 1 trial units | |
| <input type="checkbox"/> Prison establishments | |
| <input type="checkbox"/> Probation areas | |
| <input type="checkbox"/> Independent (private or voluntary sector) organisations | |
| <input type="checkbox"/> Educational establishments | |
| <input type="checkbox"/> Independent research units | |
| <input type="checkbox"/> Other (give details) | |

Total UK sites in study: 181

A73-1. Will potential participants be identified through any organisations other than the research sites listed above?

☐ Yes ☒ No

A74. What arrangements are in place for monitoring and auditing the conduct of the research?

All investigators are required to complete Good Clinical Practice Training to ensure the research is conducted to the highest standard.

The sponsor organisation will audit iHypE to ensure the research is carried out according to the protocol, required regulations are met and Good Clinical Practice is followed. Participating hospitals may use study documents for audit on a locally arranged basis.

We do not plan to routinely monitor data collection in participating hospitals.

A76. Insurance/ indemnity to meet potential legal liabilities

Note: in this question to NHS indemnity schemes include equivalent schemes provided by Health and Social Care (HSC) in Northern Ireland

A76-1. What arrangements will be made for insurance and/or indemnity to meet the potential legal liability of the sponsor(s) for harm to participants arising from the management of the research? Please tick box(es) as applicable.

Note: Where a NHS organisation has agreed to act as sponsor or co-sponsor, indemnity is provided through NHS schemes. Indicate if this applies (there is no need to provide documentary evidence). For all other sponsors, please describe the

arrangements and provide evidence.

- ☐ NHS indemnity scheme will apply (NHS sponsors only)
- ☒ Other insurance or indemnity arrangements will apply (give details below)

The management of the research will be covered by UCL insurance for negligent harm.

Please enclose a copy of relevant documents.

A76-2. What arrangements will be made for insurance and/ or indemnity to meet the potential legal liability of the sponsor(s) or employer(s) for harm to participants arising from the design of the research? Please tick box(es) as applicable.

Note: Where researchers with substantive NHS employment contracts have designed the research, indemnity is provided through NHS schemes. Indicate if this applies (there is no need to provide documentary evidence). For other protocol authors (e.g. company employees, university members), please describe the arrangements and provide evidence.

- ☐ NHS indemnity scheme will apply (protocol authors with NHS contracts only)
- ☒ Other insurance or indemnity arrangements will apply (give details below)

UCL insurance provides cover for negligent harm arising from the design of the research.

Please enclose a copy of relevant documents.

A76-3. What arrangements will be made for insurance and/ or indemnity to meet the potential legal liability of investigators/collaborators arising from harm to participants in the conduct of the research?

Note: Where the participants are NHS patients, indemnity is provided through the NHS schemes or through professional indemnity. Indicate if this applies to the whole study (there is no need to provide documentary evidence). Where non-NHS sites are to be included in the research, including private practices, please describe the arrangements which will be made at these sites and provide evidence.

- ☒ NHS indemnity scheme or professional indemnity will apply (participants recruited at NHS sites only)
- ☐ Research includes non-NHS sites (give details of insurance/ indemnity arrangements for these sites below)

Please enclose a copy of relevant documents.

A78. Could the research lead to the development of a new product/process or the generation of intellectual property?

☐ Yes ☒ No ☐ Not sure

PART C: Overview of research sites

Please enter details of the host organisations (Local Authority, NHS or other) in the UK that will be responsible for the research sites. For NHS sites, the host organisation is the Trust or Health Board. Where the research site is a primary care site, e.g. GP practice, please insert the host organisation (PCT or Health Board) in the Institution row and insert the research site (e.g. GP practice) in the Department row.

Investigator identifier	Research site	Investigator Name
IN2	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England Organisation name: IMPERIAL COLLEGE HEALTHCARE NHS TRUST Address: ST. MARYS HOSPITAL PRAED STREET LONDON GREATER LONDON Post Code: W2 1NY	Forename: Glenn Middle name: Family name: Arnold Email: Qualification (MD...): Country: UNITED KINGDOM
IN3	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England Organisation name: EAST LANCASHIRE HOSPITALS NHS TRUST Address: ROYAL BLACKBURN HOSPITAL HASLINGDEN ROAD BLACKBURN LANCASHIRE Post Code: BB2 3HH	Forename: Anton Middle name: Family name: Krige Email: Qualification (MD...): Country: UNITED KINGDOM
IN4	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename: Raj Middle name: Family name: Nichani Email: Qualification:

			(MD...)
			Country
	Organisation name	BLACKPOOL TEACHING HOSPITALS NHS FOUNDATION TRUST	
	Address	VICTORIA HOSPITAL WHINNEY HEYS ROAD BLACKPOOL LANCASHIRE	
	Post Code	FY3 8NR	
IN5	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		
	Country: England		
	Organisation name	UNIVERSITY HOSPITALS OF MORECAMBE BAY NHS FOUNDATION TRUST	
	Address	WESTMORLAND GENERAL HOSPITAL BURTON ROAD KENDAL CUMBRIA	
	Post Code	LA9 7RG	
			Forename Sue Middle name Family name Harding Email Qualification (MD...)
			Country UNITED KINGDOM
IN6	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		
	Country: England		
	Organisation name	CENTRAL MANCHESTER UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	
	Address	TRUST HEADQUARTERS, COBBETT HOUSE MANCHESTER ROYAL INFIRMARY OXFORD ROAD MANCHESTER GREATER MANCHESTER	
	Post Code	M13 9WL	
			Forename Sujesh Middle name Family name Bansal Email Qualification (MD...)
			Country UNITED KINGDOM
IN7	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		
	Country: England		
			Forename Stephen Middle name Family name Davies Email Qualification (MD...)

	Organisation name	PENNINE ACUTE HOSPITALS NHS TRUST	Country	UNITED KINGDOM
	Address	TRUST HEADQUARTERS NORTH MANCHESTER GENERAL HOSPITAL DELAUNAYS ROAD, CRUMPSALL MANCHESTER GREATER MANCHESTER		
	Post Code	M8 5RB		
IN8	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Neeraj
			Middle name	
			Family name	Sharma
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	WRIGHTINGTON, WIGAN AND LEIGH NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	THE ELMS ROYAL ALBERT EDWARD INFIRMARY WIGAN LANE WIGAN LANCASHIRE		
	Post Code	WN1 2NN		
IN9	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Sarah
			Middle name	
			Family name	Waldron
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	SALFORD ROYAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	SALFORD ROYAL STOTT LANE SALFORD GREATER MANCHESTER		
	Post Code	M6 8HD		
IN10	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Sarah
			Middle name	
			Family name	Wood
	Country: England		Email	
			Qualification (MD...)	

	Organisation name	STOCKPORT NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	STEPPING HILL HOSPITAL POPLAR GROVE STOCKPORT CHESHIRE		
	Post Code	SK2 7JE		
IN11	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Hafiz
			Middle name	
			Family name	Rehman
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	TAMESIDE HOSPITAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	TAMESIDE GENERAL HOSPITAL FOUNTAIN STREET ASHTON-UNDER-LYNE LANCASHIRE		
	Post Code	OL6 9RW		
IN12	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Krishnakar
			Middle name	
			Family name	Melachuri
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	TRAFFORD HEALTHCARE NHS TRUST	Country	UNITED KINGDOM
	Address	TRAFFORD GENERAL HOSPITAL MOORSIDE ROAD URMSTON MANCHESTER GREATER MANCHESTER		
	Post Code	M41 5SL		
IN13	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Geraint
			Middle name	
			Family name	Briggs
	Country: England		Email	
			Qualification (MD...)	

	Organisation name Address Post Code	UNIVERSITY HOSPITAL OF SOUTH MANCHESTER NHS FOUNDATION TRUST WYTHENSHAW HOSPITAL SOUTHMOOR ROAD WYTHENSHAW MANCHESTER GREATER MANCHESTER M23 9LT	Country UNITED KINGDOM
IN14	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...) Country	Andrew Fairfield General Hospital Drummond UNITED KINGDOM
	Organisation name Address Post Code	PENNINE ACUTE HOSPITALS NHS TRUST TRUST HEADQUARTERS NORTH MANCHESTER GENERAL HOSPITAL DELAUNAYS ROAD, CRUMPSALL MANCHESTER GREATER MANCHESTER M8 5RB	UNITED KINGDOM
IN15	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...) Country	Bhaskar Rochdale Infirmary Saha UNITED KINGDOM
	Organisation name Address Post Code	PENNINE ACUTE HOSPITALS NHS TRUST TRUST HEADQUARTERS NORTH MANCHESTER GENERAL HOSPITAL DELAUNAYS ROAD, CRUMPSALL MANCHESTER GREATER MANCHESTER M8 5RB	UNITED KINGDOM
IN16	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email	Kailash St Mary's Manchester Bhatia

		Qualification (MD...)		
	Organisation name	CENTRAL MANCHESTER UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	TRUST HEADQUARTERS, COBBETT HOUSE MANCHESTER ROYAL INFIRMARY OXFORD ROAD MANCHESTER GREATER MANCHESTER		
	Post Code	M13 9WL		
IN17	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Simon
			Middle name	
			Family name	Morton
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	LIVERPOOL HEART AND CHEST NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	THOMAS DRIVE		
		LIVERPOOL MERSEYSIDE		
	Post Code	L14 3PE		
IN18	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Simon
			Middle name	
			Family name	Morton
	Country: England		Email	
			Qualification (MD...)	
			Country	
	Organisation name	ROYAL LIVERPOOL AND BROADGREEN UNIVERSITY HOSPITALS NHS TRUST		
	Address	ROYAL LIVERPOOL UNIVERSITY HOSPITAL PRESCOT STREET LIVERPOOL MERSEYSIDE		
	Post Code	L7 8XP		
IN19	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Simon
			Middle name	
			Family name	Morton
	Country: England		Email	
			Qualification (MD...)	

	Organisation name	AINTREE UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	UNIVERSITY HOSPITAL AINTREE FAZAKERLEY HOSPITAL LOWER LANE LIVERPOOL MERSEYSIDE		
	Post Code	L9 7AL		
IN20	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Helen
			Middle name	
			Family name	McNamara
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	LIVERPOOL WOMEN'S NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	LIVERPOOL WOMENS HOSPITAL CROWN STREET LIVERPOOL MERSEYSIDE		
	Post Code	L8 7SS		
IN21	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Andrew
			Middle name	
			Family name	Marchetti
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	EAST CHESHIRE NHS TRUST	Country	UNITED KINGDOM
	Address	MACCLESFIELD DISTRICT GEN HOSPITAL VICTORIA ROAD MACCLESFIELD CHESHIRE		
	Post Code	SK10 3BL		
IN22	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Simon
			Middle name	
			Family name	Morton
	Country: England		Email	
			Qualification (MD...)	

	Organisation name	COUNTESS OF CHESTER HOSPITAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	THE COUNTESS OF CHESTER HEALTH PARK		
		CHESTER CHESHIRE		
	Post Code	CH2 1UL		
IN23	<input checked="" type="radio"/> NHS site		Forename	Simon
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Morton
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	WIRRAL UNIVERSITY TEACHING HOSPITAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	ARROWE PARK HOSPITAL ARROWE PARK ROAD UPTON WIRRAL MERSEYSIDE		
	Post Code	CH49 5PE		
IN24	<input checked="" type="radio"/> NHS site		Forename	Simon
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Morton
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	SOUTHPORT AND ORMSKIRK HOSPITAL NHS TRUST	Country	UNITED KINGDOM
	Address	TOWN LANE		
		SOUTHPORT MERSEYSIDE		
	Post Code	PR8 6PN		
IN25	<input checked="" type="radio"/> NHS site		Forename	Simon
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Morton
	Country: England		Email	
			Qualification (MD...)	

	Organisation name	MID CHESHIRE HOSPITALS NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	LEIGHTON HOSPITAL LEIGHTON CREWE CHESHIRE		
	Post Code	CW1 4QJ		
IN26	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Simon
			Middle name	
			Family name	Morton
	Country: England		Email	
			Qualification (MD...)	
			Country	
	Organisation name	THE WALTON CENTRE NHS FOUNDATION TRUST		
	Address	LOWER LANE LIVERPOOL MERSEYSIDE		
	Post Code	L9 7LJ		
IN27	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Simon
			Middle name	
			Family name	Morton
	Country: England		Email	
			Qualification (MD...)	
			Country	UNITED KINGDOM
	Organisation name	WARRINGTON AND HALTON HOSPITALS NHS FOUNDATION TRUST		
	Address	WARRINGTON HOSPITAL LOVELY LANE WARRINGTON CHESHIRE		
	Post Code	WA5 1QG		
IN28	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Simon
			Middle name	
			Family name	Morton
	Country: England		Email	
			Qualification (MD...)	

	Organisation name	ST HELENS AND KNOWSLEY HOSPITALS NHS TRUST	Country	UNITED KINGDOM
	Address	WHISTON HOSPITAL WARRINGTON ROAD PRESCOT MERSEYSIDE		
	Post Code	L35 5DR		
IN29	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Benjamin Harris
	Country: England			
	Organisation name	SOUTHAMPTON UNIVERSITY HOSPITALS NHS TRUST	Country	UNITED KINGDOM
	Address	MAILPOINT 18 SOUTHAMPTON GENERAL HOSPITAL TREMONA ROAD SOUTHAMPTON HAMPSHIRE		
	Post Code	SO16 6YD		
IN30	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Fran Riccio
	Country: England			
	Organisation name	PORTSMOUTH HOSPITALS NHS TRUST	Country	UNITED KINGDOM
	Address	DE LA COURT HOUSE QUEEN ALEXANDRA HOSPITAL SOUTHWICK HILL ROAD PORTSMOUTH HAMPSHIRE		
	Post Code	PO6 3LY		
IN31	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	
	Country: England			

	Organisation name	WINCHESTER AND EASTLEIGH HEALTHCARE NHS TRUST	Country	UNITED KINGDOM
	Address	ROYAL HAMPSHIRE COUNTY HOSPITAL ROMSEY ROAD WINCHESTER HAMPSHIRE		
	Post Code	SO22 5DG		
IN32	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Benjamin Harris
	Country: England			
	Organisation name	BASINGSTOKE AND NORTH HAMPSHIRE NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	ALDERMASTON ROAD		
	Post Code	BASINGSTOKE HAMPSHIRE RG24 9NA		
IN33	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Benjamin Harris
	Country: England			
	Organisation name	POOLE HOSPITAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	LONGFLEET ROAD		
	Post Code	POOLE DORSET BH15 2JB		
IN34	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Benjamin Harris
	Country: England			

	Organisation name	THE ROYAL BOURNEMOUTH AND CHRISTCHURCH HOSPITALS NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	ROYAL BOURNEMOUTH GENERAL HOSPITAL CASTLE LANE EAST BOURNEMOUTH DORSET		
	Post Code	BH7 7DW		
IN35	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Belinda
			Middle name	
			Family name	Cornforth
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	SALISBURY NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	SALISBURY DISTRICT HOSPITAL ODSTOCK ROAD SALISBURY WILTSHIRE		
	Post Code	SP2 8BJ		
IN36	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Benjamin
			Middle name	
			Family name	Harris
	Country: England		Email	
			Qualification (MD...)	
			Country	
	Organisation name	DORSET COUNTY HOSPITAL NHS FOUNDATION TRUST		
	Address	DORSET COUNTY HOSPITAL WILLIAMS AVENUE DORCHESTER DORSET		
	Post Code	DT1 2JY		
IN37	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Mark
			Middle name	
			Family name	Prince
	Country: England		Email	
			Qualification (MD...)	

	Organisation name Address Post Code	SHEFFFIELD TEACHING HOSPITALS NHS FOUNDATION TRUST NORTHERN GENERAL HOSPITAL HERRIES ROAD SHEFFFIELD SOUTH YORKSHIRE S5 7AU	Country UNITED KINGDOM
IN38	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: Wales	Forename Middle name Family name Email Qualification (MD...)	Edward Curtis
	Institution name Department name Street address Town/city Post Code	Nevill Hall Hospital, Aneurin Bevan University Hea Department of Anaesthetics Brecon Road Abergavenny NP7 7EG	Country UNITED KINGDOM
IN39	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: Wales	Forename Middle name Family name Email Qualification (MD...)	James Tozer
	Institution name Department name Street address Town/city Post Code	Royal Gwent Hospital, Aneurin Bevan University Hea Department of Anaesthetics Cardiff Road Newport NP20 2UB	Country UNITED KINGDOM
IN40	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: Wales	Forename Middle name Family name Email Qualification (MD...)	Tony Funnell
	Institution name Department name Street address Town/city Post Code	University Hospital of Wales, Cardiff and Vale Uni Department of Anaesthetics Heath Park Cardiff CF14 4XW	Country UNITED KINGDOM

IN41

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name University Hospital Llandough, Cardidff and Vale U

Department name Department of Anaesthetics

Street address Penlan Road

Town/city Llandough

Post Code CF64 2XX

Forename Tony
Middle name
Family name Funnell
Email
Qualification (MD...)

Country UNITED KINGDOM

IN42

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name Royal Glamorgan Hospital, Cwm Taf University Healt

Department name Department of Anaesthetics

Street address Ynysmaerdy

Town/city Pontyclun

Post Code CF72 8XR

Forename Val
Middle name
Family name Hilton
Email
Qualification (MD...)

Country UNITED KINGDOM

IN43

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name Prince Charles Hospital, Cwm Taf University Health

Department name Department of Anaesthetics

Street address Gurnos Road

Town/city Merthyr Tydfil

Post Code CF47 9DT

Forename Omar
Middle name
Family name Pemberton
Email
Qualification (MD...)

Country UNITED KINGDOM

IN44

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Forename Michael
Middle name
Family name Bretland
Email
Qualification (MD...)

IN45

Institution name Princess of Wales Hospital, Abertawe Bro Morgannwg
 Department name Department of Anaesthetics
 Street address Coity Road
 Town/city Bridgend
 Post Code CF31 1RQ

Country UNITED
KINGDOM

☒ NHS site
☐ Non-NHS site

Forename Robert
 Middle name
 Family name King
 Email
 Qualification (MD...)

Country: Wales

IN46

Institution name Morriston Hospital, Abertawe Bro Morgannwg
 Department name Department of Anaesthetics
 Street address Heol Maes Eglwys
 Town/city Morriston
 Post Code SA6 6NL

Country UNITED
KINGDOM

☒ NHS site
☐ Non-NHS site

Forename Robert
 Middle name
 Family name King
 Email
 Qualification (MD...)

Country: Wales

IN47

Institution name Singleton Hospital, Abertawe Bro Morgannwg
 Department name Department of Anaesthetics
 Street address Sketty Lane
 Town/city Sketty
 Post Code SA2 8QA

Country UNITED
KINGDOM

☒ NHS site
☐ Non-NHS site

Forename
 Middle name
 Family name
 Email
 Qualification (MD...)

Country: Wales

Institution name Prince Philip Hospital, Hywel Dda University Health
 Department name Department of Anaesthetics
 Street address Bryngwyn Mawr Dafen Road
 Town/city Llanelli
 Post Code SA14 8QF

Country UNITED
KINGDOM

IN48

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name West Wales General Hospital, Hywel Dda University
 Department name Department of Anaesthetics
 Street address Dolgwili Road
 Town/city Carmarthen
 Post Code SA31 2AF

Forename Anthony
 Middle name
 Family name Laxton
 Email
 Qualification (MD...)
 Country AUSTRIA

IN49

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name Withybush Hospital, Hywel Dda University Health Bo
 Department name Department of Anaesthetics
 Street address Fishguard Road
 Town/city Haverfordwest
 Post Code SA61 2PZ

Forename Sunita
 Middle name
 Family name Agarwal
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN50

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name Bronglais Hospital, Hywel Dda University Health Bo
 Department name Department of Anaesthetics
 Street address Caradog Road
 Town/city Aberystwyth
 Post Code SY23 1ER

Forename Ramesh
 Middle name
 Family name Kumar
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN51

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Forename Stephen
 Middle name
 Family name Clements
 Email
 Qualification (MD...)

IN52

Institution name Ysbyty Gwynedd, Betsi Cadwaladr University Health
 Department name Department of Anaesthetics
 Street address Penrhosgarnedd Road
 Town/city Bangor
 Post Code LL57 2PW

Country UNITED KINGDOM

☒ NHS site
☐ Non-NHS site

Forename Srisha
 Middle name
 Family name Shenoy
 Email
 Qualification (MD...)

Country: Wales

IN53

Institution name Ysbyty Glan Clwyd, Betsi Cadwaladr University Heal
 Department name Department of Anaesthetics
 Street address Rhuddlan Road
 Town/city Bodelwyddan
 Post Code LL18 5UJ

Country UNITED KINGDOM

☒ NHS site
☐ Non-NHS site

Forename Robert
 Middle name
 Family name Jones
 Email
 Qualification (MD...)

Country: Wales

IN54

Institution name Wrexham Maelor Hospital, Betsi Cadwaladr Universit
 Department name Department of Anaesthetics
 Street address Croesnewydd Road
 Town/city Wrexham
 Post Code LL13 7TD

Country UNITED KINGDOM

☒ NHS site
☐ Non-NHS site

Forename Tom
 Middle name
 Family name Price
 Email
 Qualification (MD...)

Country: Northern Ireland

Institution name Royal Victoria Hospital
 Department name Department of Anaesthetics
 Street address 274 Grosvenor Road
 Town/city Belfast
 Post Code BT12 6BA

Country UNITED KINGDOM

IN55	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Tom Middle name Family name Price Email Qualification (MD...)
Country: Northern Ireland		
Institution name Mater Infirmorum Hospital Department name Department of Anaesthetics Street address 45-54 Crumlin Road Town/city Belfast Post Code BT14 6AB	Country UNITED KINGDOM	
IN56	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Andrew Middle name Family name Eggleton Email Qualification (MD...)
Country: Northern Ireland		
Institution name Belfast City Hospital Department name Department of Anaesthetics Street address 51 Lisburn Road Town/city Belfast Post Code BT9 7AB	Country UNITED KINGDOM	
IN57	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Andrew Middle name Family name Eggleton Email Qualification (MD...)
Country: Northern Ireland		
Institution name Musgrave Park Hospital Department name Department of Anaesthetics Street address Stockman's Lane Town/city Belfast Post Code BT9 7JB	Country UNITED KINGDOM	
IN58	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Andrew Middle name Family name Eggleton Email Qualification (MD...)
Country: Northern Ireland		
Institution name Ulster Hospital Department name Department of Anaesthetics	Country UNITED KINGDOM	

	Street address	Upper Newtonards Road		
	Town/city	Dundonald, Belfast		
	Post Code	BT16 1RH		
IN59	<input checked="" type="radio"/> NHS site		Forename	Andrew
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Eggleton
	Country: Northern Ireland		Email	
			Qualification (MD...)	
	Institution name	Craigavon Area Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	68 Lurgan Road		
	Town/city	Portadown		
	Post Code	BT63 5QQ		
IN60	<input checked="" type="radio"/> NHS site		Forename	Tom
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Price
	Country: Northern Ireland		Email	
			Qualification (MD...)	
	Institution name	Altnagelvin Area Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	Glenshane Road		
	Town/city	Londonderry		
	Post Code	BT47 6SB		
IN61	<input checked="" type="radio"/> NHS site		Forename	Tom
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Price
	Country: Northern Ireland		Email	
			Qualification (MD...)	
	Institution name	Antrim Area Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	45 Bush Road		
	Town/city	Antrim		
	Post Code	BT41 2RL		
IN62	<input checked="" type="radio"/> NHS site		Forename	David
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Buckley
	Country: England		Email	
			Qualification	

			(MD...)	
	Organisation name	COUNTY DURHAM AND DARLINGTON NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	DARLINGTON MEMORIAL HOSPITAL HOLLYHURST ROAD DARLINGTON COUNTY DURHAM		
	Post Code	DL3 6HX		
IN63	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Lisa
			Middle name	
			Family name	Molus
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	NORTH TEES AND HARTLEPOOL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	UNIVERSITY HOSPITAL OF HARTLEPOOL HOLDFORTH ROAD HARTLEPOOL CLEVELAND		
	Post Code	TS24 9AH		
IN64	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Claire
			Middle name	
			Family name	Watkinson
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	SOUTH TEES HOSPITALS NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	JAMES COOK UNIVERSITY HOSPITAL MARTON ROAD MIDDLESBROUGH CLEVELAND		
	Post Code	TS4 3BW		
IN65	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Jane
			Middle name	
			Family name	Gibson
	Country: England		Email	
			Qualification (MD...)	

	Organisation name	CITY HOSPITALS SUNDERLAND NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	SUNDERLAND ROYAL HOSPITAL KAYLL ROAD		
	Post Code	SUNDERLAND TYNE AND WEAR SR4 7TP		
IN66	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Leonie
			Middle name	
			Family name	English
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	UNIV HOSP NORTH DURHAM	Country	UNITED KINGDOM
	Address	UNIV HOSP NORTH DURHAM NORTH ROAD DURHAM		
	Post Code	DH1 5TW		
IN67	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Sara
			Middle name	
			Family name	Scott
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	THE NEWCASTLE UPON TYNE HOSPITALS NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	FREEMAN HOSPITAL FREEMAN ROAD HIGH HEATON NEWCASTLE-UPON-TYNE TYNE AND WEAR		
	Post Code	NE7 7DN		
IN68	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Stephen
			Middle name	
			Family name	Mowat
	Country: England		Email	
			Qualification (MD...)	

	Organisation name	THE NEWCASTLE UPON TYNE HOSPITALS NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	FREEMAN HOSPITAL FREEMAN ROAD HIGH HEATON NEWCASTLE-UPON-TYNE TYNE AND WEAR		
	Post Code	NE7 7DN		
IN69	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Christina McCarroll
	Country: England			
	Organisation name	GATESHEAD HEALTH NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	QUEEN ELIZABETH HOSPITAL		
	Post Code	GATESHEAD TYNE AND WEAR NE9 6SX		
IN70	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Alaa Dakak
	Country: England			
	Organisation name	NORTHUMBRIA HEALTHCARE NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	RAKE LANE		
	Post Code	NORTH SHIELDS TYNE AND WEAR NE29 8NH		
IN71	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Jordan Minns
	Country: England			

	Organisation name	NORTH CUMBRIA UNIVERSITY HOSPITALS NHS TRUST	Country	UNITED KINGDOM
	Address	WEST CUMBERLAND HOSPITAL HENSINGHAM WHITEHAVEN CUMBRIA		
	Post Code	CA28 8JG		
IN72	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Sam Radcliffe site Clark
	Country: England			
	Organisation name	OXFORD RADCLIFFE HOSPITALS NHS TRUST	Country	UNITED KINGDOM
	Address	JOHN RADCLIFFE HOSPITAL HEADLEY WAY HEADINGTON OXFORD OXFORDSHIRE		
	Post Code	OX3 9DU		
IN73	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Sam Churchill site Clark
	Country: England			
	Organisation name	OXFORD RADCLIFFE HOSPITALS NHS TRUST	Country	UNITED KINGDOM
	Address	JOHN RADCLIFFE HOSPITAL HEADLEY WAY HEADINGTON OXFORD OXFORDSHIRE		
	Post Code	OX3 9DU		
IN74	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Middle name Family name Email Qualification (MD...)	Richard Siviter
	Country: England			

	Organisation name Address Post Code	NUFFIELD ORTHOPAEDIC CENTRE NHS TRUST WINDMILL ROAD HEADINGTON OXFORD OXFORDSHIRE OX3 7LD	Country UNITED KINGDOM
IN75	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...)	Richard Horton site Siviter
	Organisation name Address Post Code	OXFORD RADCLIFFE HOSPITALS NHS TRUST JOHN RADCLIFFE HOSPITAL HEADLEY WAY HEADINGTON OXFORD OXFORDSHIRE OX3 9DU	Country UNITED KINGDOM
IN76	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...)	Prad Stoke Mandeville site Shanmuga
	Organisation name Address Post Code	BUCKINGHAMSHIRE HEALTHCARE NHS TRUST AMERSHAM HOSPITAL WHIELDEN STREET AMERSHAM BUCKINGHAMSHIRE HP7 0JD	Country UNITED KINGDOM
IN77	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...)	Orad Wycombe site Shanmuga

IN78	Organisation name	BUCKINGHAMSHIRE HEALTHCARE NHS TRUST	Country	UNITED KINGDOM
	Address	AMERSHAM HOSPITAL WHIELDEN STREET AMERSHAM BUCKINGHAMSHIRE		
	Post Code	HP7 0JD		
	<input checked="" type="radio"/> NHS site		Forename	Alex
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Mattin
			Email	
			Qualification (MD...)	
	Country:	England		
IN79	Organisation name	ROYAL BERKSHIRE NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	ROYAL BERKSHIRE HOSPITAL LONDON ROAD READING BERKSHIRE		
	Post Code	RG1 5AN		
	<input checked="" type="radio"/> NHS site		Forename	Alex
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Mattin
			Email	
			Qualification (MD...)	
	Country:	England		
IN80	Organisation name	HEATHERWOOD AND WEXHAM PARK HOSPITALS NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	WEXHAM PARK HOSPITAL WEXHAM STREET WEXHAM SLOUGH BERKSHIRE		
	Post Code	SL2 4HL		
	<input checked="" type="radio"/> NHS site		Forename	Martyn
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Ezra
			Email	
			Qualification (MD...)	
	Country:	England		
IN80	Organisation name	MILTON KEYNES HOSPITAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM

Address STANDING WAY
EAGLESTONE
MILTON KEYNES BUCKINGHAMSHIRE
Post Code MK6 5LD

IN81

☒ NHS site
☐ Non-NHS site

Country: Scotland

Institution name Western General Hospital
Department name Department of Anaesthetics
Street address Crewe Road South
Town/city Edinburgh
Post Code EH4 2XU

Forename Rafiqu
Middle name
Family name Shabiyulla
Email
Qualification (MD...)
Country UNITED KINGDOM

IN82

☒ NHS site
☐ Non-NHS site

Country: Scotland

Institution name Western General Hospital
Department name Department of Anaesthetics
Street address Crewe Road South
Town/city Edinburgh
Post Code EH4 2XU

Forename Rafiqu
Middle name
Family name Shabiyulla
Email
Qualification (MD...)
Country UNITED KINGDOM

IN83

☒ NHS site
☐ Non-NHS site

Country: Scotland

Institution name St Johns Hospital
Department name Department of Anaesthetics
Street address Howden South Road
Town/city Livingston
Post Code EH54 6PP

Forename Jamie
Middle name
Family name Dick
Email
Qualification (MD...)
Country UNITED KINGDOM

IN84

☒ NHS site
☐ Non-NHS site

Forename Rafiqu
Middle name

IN85	Country:	Scotland	Family name	Shabiyulla
			Email	
			Qualification (MD...)	
	Institution name	Borders General Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	Melrose		
	Town/city	Roxburghshire		
	Post Code	TD6 9BS		
			Forename	Jamie
			Middle name	
IN86	<input checked="" type="radio"/> NHS site		Family name	Dick
	<input type="radio"/> Non-NHS site		Email	
	Country:	Scotland	Qualification (MD...)	
			Country	UNITED KINGDOM
	Institution name	Queen Margaret Hospital		
	Department name	Department of Anaesthetics		
	Street address	Whitefield Road		
	Town/city	Dunfermline		
	Post Code	KY12 0SU		
			Forename	Jamie
IN87	<input checked="" type="radio"/> NHS site		Middle name	
	<input type="radio"/> Non-NHS site		Family name	Dick
	Country:	Scotland	Email	
			Qualification (MD...)	
	Institution name	Victoria Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	Hayfield Road		
	Town/city	Kirkcaldy		
	Post Code	KY2 5AH		
			Forename	Ally
IN87	<input checked="" type="radio"/> NHS site		Middle name	
	<input type="radio"/> Non-NHS site		Family name	Ellison
	Country:	England	Email	
			Qualification (MD...)	
	Organisation name	MEDWAY NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	MEDWAY MARITIME HOSPITAL WINDMILL ROAD GILLINGHAM KENT		
	Post Code	ME7 5NY		

IN88

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BRIGHTON AND SUSSEX UNIVERSITY
HOSPITALS NHS TRUST
Address ROYAL SUSSEX COUNTY HOSPITAL
EASTERN ROAD
BRIGHTON EAST SUSSEX
Post Code BN2 5BE

Forename Manish
Middle name
Family name Verma
Email
Qualification (MD...)
Country

IN89

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST SUSSEX HEALTHCARE NHS TRUST
Address ST. ANNES HOUSE
729 THE RIDGE
ST. LEONARDS-ON-SEA EAST SUSSEX
Post Code TN37 7PT

Forename Tim
Middle name Eastbourne
DGH
Family name Hendra
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN90

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST SUSSEX HEALTHCARE NHS TRUST
Address ST. ANNES HOUSE
729 THE RIDGE
ST. LEONARDS-ON-SEA EAST SUSSEX
Post Code TN37 7PT

Forename Kishore
Middle name Conquest
hospital
Family name Mavhavarapu
Email
Qualification (MD...)
Country

IN91

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WESTERN SUSSEX HOSPITALS NHS TRUST
Address WORTHING HOSPITAL
LYNDHURST ROAD
WORTHING WEST SUSSEX
Post Code BN11 2DH

Forename Lucy
Middle name
Family name Barnes
Email
Qualification (MD...)
Country UNITED KINGDOM

IN92

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WESTERN SUSSEX HOSPITALS NHS TRUST
Address WORTHING HOSPITAL
LYNDHURST ROAD
WORTHING WEST SUSSEX
Post Code BN11 2DH

Forename Sean
Middle name Chichester
Family name Speers
Email
Qualification (MD...)
Country UNITED KINGDOM

IN93

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BRIGHTON AND SUSSEX UNIVERSITY
HOSPITALS NHS TRUST
Address ROYAL SUSSEX COUNTY HOSPITAL
EASTERN ROAD
BRIGHTON EAST SUSSEX
Post Code BN2 5BE

Forename Manish
Middle name
Family name Verma
Email
Qualification (MD...)
Country UNITED KINGDOM

IN94

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SURREY AND SUSSEX HEALTHCARE NHS TRUST
Address EAST SURREY HOSPITAL
CANADA AVENUE
REDHILL SURREY
Post Code RH1 5RH

Forename Ben
Middle name
Family name Carey
Email
Qualification (MD...)
Country UNITED KINGDOM

IN95

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL SURREY COUNTY HOSPITAL NHS FOUNDATION TRUST
Address EGERTON ROAD
GUILDFORD SURREY
Post Code GU2 7XX

Forename Mihir
Middle name
Family name Desai
Email
Qualification (MD...)
Country UNITED KINGDOM

IN96

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name DARTFORD AND GRAVESHAM NHS TRUST
Address DARENT VALLEY HOSPITAL
DARENTH WOOD ROAD
DARTFORD KENT
Post Code DA2 8DA

Forename Diana
Middle name
Family name Neeley
Email
Qualification (MD...)
Country UNITED KINGDOM

IN97

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST KENT HOSPITALS UNIVERSITY NHS
FOUNDATION TRUST
Address KENT & CANTERBURY HOSPITAL
ETHELBERT ROAD
CANTERBURY KENT
Post Code CT1 3NG

Forename Sanjay
Middle name William
Harvey
Family name Agrawal
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN98

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST KENT HOSPITALS UNIVERSITY NHS
FOUNDATION TRUST
Address KENT & CANTERBURY HOSPITAL
ETHELBERT ROAD
CANTERBURY KENT
Post Code CT1 3NG

Forename Ruth
Middle name Margate
Family name de Las
Casas
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN99

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST KENT HOSPITALS UNIVERSITY NHS
FOUNDATION TRUST
Address KENT & CANTERBURY HOSPITAL
ETHELBERT ROAD
CANTERBURY KENT
Post Code CT1 3NG

Forename Shyman
Middle name Canterbury
Family name Laxman
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN100

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name MAIDSTONE AND TUNBRIDGE WELLS NHS TRUST
Address MAIDSTONE HOSPITAL
HERMITAGE LANE
MAIDSTONE KENT
Post Code ME16 9QQ

Forename Ruth
Middle name Maidstone site
Family name de Las Casas
Email
Qualification (MD...)
Country UNITED KINGDOM

IN101

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name MAIDSTONE AND TUNBRIDGE WELLS NHS TRUST
Address MAIDSTONE HOSPITAL
HERMITAGE LANE
MAIDSTONE KENT
Post Code ME16 9QQ

Forename Ruth
Middle name Pembury site
Family name de Las Casas
Email
Qualification (MD...)
Country UNITED KINGDOM

IN103

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY HOSPITALS BRISTOL NHS FOUNDATION TRUST
Address MARLBOROUGH STREET
BRISTOL AVON
Post Code BS1 3NU

Forename Peter
Middle name
Family name Steed
Email
Qualification (MD...)
Country UNITED KINGDOM

IN104

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NORTH BRISTOL NHS TRUST
Address FRENCHAY HOSPITAL
BECKSPool ROAD
FRENCHAY BRISTOL AVON
Post Code BS16 1JE

Forename Kate
Middle name
Family name Reeve
Email
Qualification (MD...)
Country UNITED KINGDOM

IN105

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL UNITED HOSPITAL BATH NHS TRUST
Address COMBE PARK
BATH AVON
Post Code BA1 3NG

Forename Phil
Middle name
Family name Bewley
Email
Qualification (MD...)
Country UNITED KINGDOM

IN106

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name GLOUCESTERSHIRE HOSPITALS NHS FOUNDATION TRUST
Address TRUST HQ
1 COLLEGE LAWN
CHELTENHAM GLOUCESTERSHIRE
Post Code GL53 7AG

Forename Andrew
Middle name
Family name Baird
Email
Qualification (MD...)
Country UNITED KINGDOM

IN107

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name GLOUCESTERSHIRE HOSPITALS NHS
FOUNDATION TRUST
Address TRUST HQ
1 COLLEGE LAWN
CHELTENHAM GLOUCESTERSHIRE
Post Code GL53 7AG

Forename Andrew
Middle name Cheltenham
General
Family name Baird
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN108

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WESTON AREA HEALTH NHS TRUST
Address WESTON GENERAL HOSPITAL
GRANGE ROAD
UPHILL WESTON-SUPER-MARE AVON
Post Code BS23 4TQ

Forename Guru
Middle name
Family name Hosdurga
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN109

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name YEOVIL DISTRICT HOSPITAL NHS FOUNDATION
TRUST
Address YEOVIL DISTRICT HOSPITAL
HIGHER KINGSTON
YEOVIL SOMERSET
Post Code BA21 4AT

Forename Jamie
Middle name
Family name Penketh
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN110

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name GREAT WESTERN HOSPITALS NHS
FOUNDATION TRUST
Address GREAT WESTERN HOSPITAL
MARLBOROUGH ROAD
SWINDON WILTSHIRE
Post Code SN3 6BB

Forename Rachel
Middle name
Family name Prout
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN111

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name DERBY HOSPITALS NHS FOUNDATION TRUST
Address DERBY CITY GENERAL HOSPITAL
UTTOXETER ROAD
DERBY DERBYSHIRE
Post Code DE22 3NE

Forename Laura
Middle name
Family name Carrick
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN112

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY HOSPITALS OF LEICESTER NHS
TRUST
Address GWENDOLEN HOUSE
GWENDOLEN ROAD
LEICESTER LEICESTERSHIRE
Post Code LE5 4QF

Forename Jenny
Middle name
Family name Briggs
Email
Qualification (MD...)
Country

IN113

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NOTTINGHAM UNIVERSITY HOSPITALS NHS TRUST
Address TRUST HEADQUARTERS
QMC CAMPUS
DERBY ROAD NOTTINGHAM
NOTTINGHAMSHIRE
Post Code NG7 2UH

Forename Michael
Middle name
Family name Jarvis
Email
Qualification (MD...)
Country

IN114

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NOTTINGHAM UNIVERSITY HOSPITALS NHS TRUST
Address TRUST HEADQUARTERS
QMC CAMPUS
DERBY ROAD NOTTINGHAM
NOTTINGHAMSHIRE
Post Code NG7 2UH

Forename Lou
Middle name City Hospital
Family name Carlson Hedges
Email
Qualification (MD...)
Country UNITED KINGDOM

IN115

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name KETTERING GENERAL HOSPITAL NHS FOUNDATION TRUST
Address ROTHWELL ROAD
KETTERING NORTHAMPTONSHIRE
Post Code NN16 8UZ

Forename Deepak
Middle name
Family name Choudry
Email
Qualification (MD...)
Country UNITED KINGDOM

IN116

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name CHESTERFIELD ROYAL HOSPITAL NHS
FOUNDATION TRUST
Address CALOW

Post Code CHESTERFIELD DERBYSHIRE
S44 5BL

Forename Mike
Middle name
Family name Scanlan
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN117

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNITED LINCOLNSHIRE HOSPITALS NHS
TRUST
Address LINCOLN COUNTY HOSPITAL
GREETWELL ROAD
LINCOLN LINCOLNSHIRE
Post Code LN2 4AX

Forename Kasia
Middle name
Family name Syzpula
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN118

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL BOLTON HOSPITAL NHS FOUNDATION
TRUST
Address THE ROYAL BOLTON HOSPITAL
MINERVA ROAD
FARNWORTH BOLTON LANCASHIRE
Post Code BL4 0JR

Forename Daniel
Middle name
Family name Nethercott
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN119

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name PENNINE ACUTE HOSPITALS NHS TRUST
Address TRUST HEADQUARTERS
NORTH MANCHESTER GENERAL HOSPITAL
DELAUNAYS ROAD, CRUMPSALL MANCHESTER
GREATER MANCHESTER
Post Code M8 5RB

Forename Bhaskar
Middle name
Family name Saha
Email
Qualification (MD...)
Country UNITED KINGDOM

IN120

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name LANCASHIRE TEACHING HOSPITALS NHS
FOUNDATION TRUST
Address CHIEF EXECUTIVE'S OFFICE
ROYAL PRESTON HOSPITAL
SHAROE GREEN LANE, FULWOOD PRESTON
LANCASHIRE
Post Code PR2 9HT

Forename Shondipon
Middle name
Family name Laha
Email
Qualification (MD...)
Country UNITED KINGDOM

IN121

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY HOSPITAL BIRMINGHAM NHS
FOUNDATION TRUST
Address TRUST HQ, PO BOX 9551
QUEEN ELIZABETH MEDICAL CENTRE
EDGBASTON BIRMINGHAM WEST MIDLANDS
Post Code B15 2TH

Forename Laura
Middle name
Family name Troth
Email
Qualification (MD...)
Country UNITED KINGDOM

IN122

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WYE VALLEY NHS TRUST
Address COUNTY HOSPITAL
UNION WALK
HEREFORD HEREFORDSHIRE
Post Code HR1 2ER

Forename Rosalin
Middle name
Family name Baker
Email
Qualification (MD...)
Country UNITED KINGDOM

IN123

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name THE ROYAL WOLVERHAMPTON HOSPITALS
NHS TRUST
Address NEW CROSS HOSPITAL
WOLVERHAMPTON ROAD
HEATH TOWN WOLVERHAMPTON WEST
MIDLANDS
Post Code WV10 0QP

Forename Thy
Middle name
Family name Do
Email
Qualification (MD...)
Country UNITED KINGDOM

IN124

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WORCESTERSHIRE ACUTE HOSPITALS NHS
TRUST
Address WORCESTERSHIRE ROYAL HOSPITAL
CHARLES HASTINGS WAY
WORCESTER WORCESTERSHIRE
Post Code WR5 1DD

Forename Katy
Middle name
Family name Miller
Email
Qualification (MD...)
Country UNITED KINGDOM

IN125

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SANDWELL AND WEST BIRMINGHAM
HOSPITALS NHS TRUST
Address CITY HOSPITAL
DUDLEY ROAD
BIRMINGHAM WEST MIDLANDS
Post Code B18 7QH

Forename Julia
Middle name
Family name Blackburn
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN126

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SANDWELL AND WEST BIRMINGHAM
HOSPITALS NHS TRUST
Address CITY HOSPITAL
DUDLEY ROAD
BIRMINGHAM WEST MIDLANDS
Post Code B18 7QH

Forename Laura
Middle name City site
Family name Troth
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN127

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name HEART OF ENGLAND NHS FOUNDATION
TRUST
Address BIRMINGHAM HEARTLANDS HOSPITAL
BORDESLEY GREEN EAST
BIRMINGHAM WEST MIDLANDS
Post Code B9 5ST

Forename Joseph
Middle name
Family name Alderman
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN128

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SHREWSBURY AND TELFORD HOSPITAL NHS TRUST
Address MYTTON OAK ROAD

Post Code SHREWSBURY SHROPSHIRE
SY3 8XQ

Forename Jessica
Middle name
Family name Aston
Email Shrewsbury site
Qualification (MD...)
Country UNITED KINGDOM

IN129

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SHREWSBURY AND TELFORD HOSPITAL NHS TRUST
Address MYTTON OAK ROAD

Post Code SHREWSBURY SHROPSHIRE
SY3 8XQ

Forename Jessica
Middle name Telford site
Family name Aston
Email
Qualification (MD...)
Country UNITED KINGDOM

IN130

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY HOSPITAL OF NORTH STAFFORDSHIRE NHS TRUST
Address NORTH STAFFORDSHIRE ROYAL INFIRMARY PRINCES ROAD
STOKE-ON-TRENT STAFFORDSHIRE
Post Code ST4 7LN

Forename James
Middle name
Family name Nalwaya
Email
Qualification (MD...)
Country UNITED KINGDOM

IN131

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name PLYMOUTH HOSPITALS NHS TRUST
Address DERRIFORD HOSPITAL
 DERRIFORD ROAD
 PLYMOUTH DEVON
Post Code PL6 8DH

Forename Sebastian
Middle name
Family name Brown
Email
Qualification
(MD...)
Country UNITED
 KINGDOM

IN132

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL CORNWALL HOSPITALS NHS TRUST
Address ROYAL CORNWALL HOSPITAL

 TRELISKE TRURO CORNWALL
Post Code TR1 3LJ

Forename Sarah
Middle name
Family name Cassie
Email
Qualification
(MD...)
Country UNITED
 KINGDOM

IN133

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SOUTH DEVON HEALTHCARE NHS
 FOUNDATION TRUST
Address HENGRAVE HOUSE
 TORBAY HOSPITAL
 NEWTON ROAD TORQUAY DEVON
Post Code TQ2 7AA

Forename Benjamin
Middle name
Family name Hearne
Email
Qualification
(MD...)
Country UNITED
 KINGDOM

IN134

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL DEVON AND EXETER NHS FOUNDATION TRUST
Address ROYAL DEVON & EXETER HOSPITAL
BARRACK ROAD
EXETER DEVON
Post Code EX2 5DW

Forename Emily
Middle name
Family name Howells
Email
Qualification (MD...)
Country UNITED KINGDOM

IN135

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NORTHERN DEVON HEALTHCARE NHS TRUST
Address NORTH DEVON DISTRICT HOSPITAL
RALEIGH PARK
BARNSTAPLE DEVON
Post Code EX31 4JB

Forename Emma
Middle name
Family name Shacklock
Email
Qualification (MD...)
Country UNITED KINGDOM

IN136

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name TAUNTON AND SOMERSET NHS FOUNDATION TRUST
Address MUSGROVE PARK HOSPITAL
TAUNTON SOMERSET
Post Code TA1 5DA

Forename Andrew
Middle name
Family name Woodgate
Email
Qualification (MD...)
Country UNITED KINGDOM

IN137

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL FREE HAMPSTEAD NHS TRUST
Address ROYAL FREE HOSPITAL
POND STREET
LONDON GREATER LONDON
Post Code NW3 2QG

Forename Daniel
Middle name
Family name Martin
Email
Qualification (MD...)
Country UNITED KINGDOM

IN138

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BARNET AND CHASE FARM HOSPITALS NHS TRUST
Address BARNET GENERAL HOSPITAL
WELLHOUSE LANE
BARNET HERTFORDSHIRE
Post Code EN5 3DJ

Forename Jeremy
Middle name
Family name Dawson
Email
Qualification (MD...)
Country UNITED KINGDOM

IN139

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NORTH MIDDLESEX UNIVERSITY HOSPITAL NHS TRUST
Address STERLING WAY
LONDON GREATER LONDON
Post Code N18 1QX

Forename Ferenc
Middle name
Family name Kovari
Email
Qualification (MD...)
Country UNITED KINGDOM

IN140

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST AND NORTH HERTFORDSHIRE NHS TRUST
Address LISTER HOSPITAL
COREYS MILL LANE
STEVENAGE HERTFORDSHIRE
Post Code SG1 4AB

Forename Jon
Middle name
Family name Brammall
Email
Qualification (MD...)
Country UNITED KINGDOM

IN141

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY COLLEGE LONDON HOSPITALS NHS FOUNDATION TRUST
Address 250 EUSTON ROAD
LONDON GREATER LONDON
Post Code NW1 2PG

Forename Ed
Middle name
Family name Burdett
Email
Qualification (MD...)
Country UNITED KINGDOM

IN142

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name THE PRINCESS ALEXANDRA HOSPITAL NHS TRUST
Address HAMSTEL ROAD
HARLOW ESSEX
Post Code CM20 1QX

Forename Kevin
Middle name
Family name Hamilton
Email
Qualification (MD...)
Country UNITED KINGDOM

IN143

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL NATIONAL ORTHOPAEDIC HOSPITAL
NHS TRUST
Address BROCKLEY HILL

Post Code STANMORE MIDDLESEX
HA7 4LP

Forename Mogera
Middle name
Family name Chandra
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN144

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name THE WHITTINGTON HOSPITAL NHS TRUST
Address THE WHITTINGTON HOSPITAL
MAGDALA AVENUE
LONDON GREATER LONDON
Post Code N19 5NF

Forename Trudi
Middle name
Family name Young
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN145

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY COLLEGE LONDON HOSPITALS
NHS FOUNDATION TRUST
Address 250 EUSTON ROAD
Post Code LONDON GREATER LONDON
NW1 2PG

Forename Val
Middle name NHNN site
Family name Luoma
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN146

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name COLCHESTER HOSPITAL UNIVERSITY NHS
FOUNDATION TRUST
Address COLCHESTER DISTRICT GENERAL HO
TURNER ROAD
COLCHESTER ESSEX
Post Code CO4 5JL

Forename
Middle name
Family name
Email
Qualification
(MD...)
Country

IN147

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name THE ROYAL MARSDEN NHS FOUNDATION
TRUST
Address FULHAM ROAD
LONDON GREATER LONDON
Post Code SW3 6JJ

Forename Vimal
Middle name
Family name Grover
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN148

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NORTH WEST LONDON HOSPITALS NHS
TRUST
Address NORTHWICK PARK HOSPITAL
WATFORD ROAD
HARROW MIDDLESEX
Post Code HA1 3UJ

Forename Kausi
Middle name
Family name Rao
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN149

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WEST MIDDLESEX UNIVERSITY HOSPITAL NHS TRUST
Address TWICKENHAM ROAD

Post Code ISLEWORTH MIDDLESEX
TW7 6AF

Forename Miriam
Middle name
Family name Kadry
Email
Qualification (MD...)
Country UNITED KINGDOM

IN150

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WEST HERTFORDSHIRE HOSPITALS NHS TRUST
Address TRUST OFFICES
HEMEL HEMPSTEAD GENERAL HOSPITAL
HILLFIELD ROAD HEMEL HEMPSTEAD
HERTFORDSHIRE
Post Code HP2 4AD

Forename Ajoy
Middle name
Family name Pandit
Email
Qualification (MD...)
Country UNITED KINGDOM

IN151

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name THE HILLINGDON HOSPITALS NHS FOUNDATION TRUST
Address FIELD HEATH ROAD

Post Code UXBRIDGE MIDDLESEX
UB8 3NN

Forename Julie
Middle name
Family name Wakeford
Email
Qualification (MD...)
Country UNITED KINGDOM

IN152

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name CHELSEA AND WESTMINSTER HOSPITAL NHS
FOUNDATION TRUST
Address CHELSEA & WESTMINSTER HOSPITAL
369 FULHAM ROAD
LONDON GREATER LONDON
Post Code SW10 9NH

Forename Melinda
Middle name
Family name Same
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN153

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL BROMPTON AND HAREFIELD NHS
FOUNDATION TRUST
Address ROYAL BROMPTON HOSPITAL
SYDNEY STREET
LONDON GREATER LONDON
Post Code SW3 6NP

Forename Sian
Middle name
Family name Jagger
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN154

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ST GEORGE'S HEALTHCARE NHS TRUST
Address ST GEORGE'S HOSPITAL
BLACKSHAW ROAD
TOOTING LONDON GREATER LONDON
Post Code SW17 0QT

Forename Carolyn
Middle name
Family name Johnstone
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN155

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ASHFORD AND ST PETER'S HOSPITALS NHS
FOUNDATION TRUST
Address ST PETERS HOSPITAL
GUILDFORD ROAD
CHERTSEY SURREY
Post Code KT16 0PZ

Forename Richard
Middle name
Family name George
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN156

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name CROYDON HEALTH SERVICES NHS TRUST
Address MAYDAY UNIVERSITY HOSPITAL
LONDON ROAD
THORNTON HEATH SURREY
Post Code CR7 7YE

Forename Vanessa
Middle name
Family name Cowie
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN157

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name GUY'S AND ST THOMAS' NHS FOUNDATION
TRUST
Address TRUST OFFICES
GUY'S HOSPITAL
GREAT MAZE POND LONDON GREATER
LONDON
Post Code SE1 9RT

Forename Cheng
Middle name
Family name Ong
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN158

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name GUY'S AND ST THOMAS' NHS FOUNDATION TRUST
Address TRUST OFFICES
GUY'S HOSPITAL
GREAT MAZE POND LONDON GREATER LONDON
Post Code SE1 9RT

Forename Heena
Middle name St Thomas' site
Family name Bidd
Email
Qualification (MD...)
Country UNITED KINGDOM

IN159

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name LEWISHAM HEALTHCARE NHS TRUST
Address UNIVERSITY HOSPITAL LEWISHAM
LEWISHAM HIGH STREET
LONDON GREATER LONDON
Post Code SE13 6LH

Forename Silvia
Middle name Lewsiham site
Family name Leonardi
Email
Qualification (MD...)
Country UNITED KINGDOM

IN160

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name KING'S COLLEGE HOSPITAL NHS FOUNDATION TRUST
Address DENMARK HILL
LONDON GREATER LONDON
Post Code SE5 9RS

ForenameCarolyn
Middle name PRUH site
Family name Timberlake
Email
Qualification (MD...)
Country UNITED KINGDOM

IN161

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name LEWISHAM HEALTHCARE NHS TRUST
Address UNIVERSITY HOSPITAL LEWISHAM
LEWISHAM HIGH STREET
LONDON GREATER LONDON
Post Code SE13 6LH

Forename Concilia
Middle name Woolwich
site
Family name Dipura
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN162

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BARTS AND THE LONDON NHS TRUST
Address TRUST OFFICES, WHITECHAPEL
THE ROYAL LONDON HOSPITAL
WHITECHAPEL LONDON GREATER LONDON
Post Code E1 1BB

Forename Anil
Middle name RLH site
Family name Visram
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN163

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name HOMERTON UNIVERSITY HOSPITAL NHS
FOUNDATION TRUST
Address HOMERTON ROW
LONDON GREATER LONDON
Post Code E9 6SR

Forename Lionel
Middle name
Family name Davies
Email
Qualification
(MD...)
Country UNITED
KINGDOM

IN164

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BASILDON AND THURROCK UNIVERSITY
HOSPITALS NHS FOUNDATION TRUST
Address BASILDON HOSPITAL

Post Code NETHERMAYNE BASILDON ESSEX
SS16 5NL

Forename Venkat
Middle name
Family name Shenoy
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN165

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WHIPPS CROSS UNIVERSITY HOSPITAL NHS
TRUST
Address WHIPPS CROSS HOSPITAL
WHIPPS CROSS ROAD
LONDON GREATER LONDON
Post Code E11 1NR

Forename Chris
Middle name
Family name Barringer
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN166

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BARKING, HAVERING AND REDBRIDGE
UNIVERSITY HOSPITALS NHS TRUST
Address QUEENS HOSPITAL
ROM VALLEY WAY
ROMFORD ESSEX
Post Code RM7 0AG

Forename Vinod
Middle name
Family name Shenoy
Email
Qualification (MD...)
Country UNITED
KINGDOM

IN167

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name MID ESSEX HOSPITAL SERVICES NHS TRUST
Address BROOMFIELD HOSPITAL
COURT ROAD
CHELMSFORD ESSEX
Post Code CM1 7ET

Forename Agnes
Middle name
Family name Watson
Email
Qualification (MD...)
Country UNITED KINGDOM

IN168

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SOUTHEND UNIVERSITY HOSPITAL NHS FOUNDATION TRUST
Address PRITTLEWELL CHASE
WESTCLIFF ON SEA ESSEX
Post Code SS0 0RY

Forename Bobby
Middle name
Family name Krishnachetty
Email
Qualification (MD...)
Country UNITED KINGDOM

IN169

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NEWHAM UNIVERSITY HOSPITAL NHS TRUST
Address NEWHAM GENERAL HOSPITAL
GLEN ROAD
LONDON GREATER LONDON
Post Code E13 8SL

Forename Tappy
Middle name
Family name Kushindora
Email
Qualification (MD...)
Country UNITED KINGDOM

IN170

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BARTS AND THE LONDON NHS TRUST
Address TRUST OFFICES, WHITECHAPEL
THE ROYAL LONDON HOSPITAL
WHITECHAPEL LONDON GREATER LONDON
Post Code E1 1BB

Forename Sibtain
Middle name Bart's site
Family name Anwar
Email
Qualification (MD...)
Country UNITED KINGDOM

IN172

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name LEEDS TEACHING HOSPITALS NHS TRUST
Address ST. JAMES'S UNIVERSITY HOSPITAL
BECKETT STREET
LEEDS WEST YORKSHIRE
Post Code LS9 7TF

Forename Andrew
Middle name LGI site
Family name Lumb
Email
Qualification (MD...)
Country UNITED KINGDOM

IN173

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name LEEDS TEACHING HOSPITALS NHS TRUST
Address ST. JAMES'S UNIVERSITY HOSPITAL
BECKETT STREET
LEEDS WEST YORKSHIRE
Post Code LS9 7TF

Forename Caroline
Middle name St James site
Family name Thomas
Email
Qualification (MD...)
Country UNITED KINGDOM

IN174

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name MID YORKSHIRE HOSPITALS NHS TRUST
Address ROWAN HOUSE
ABERFORD ROAD
WAKEFIELD WEST YORKSHIRE
Post Code WF1 4EE

Forename Alastair
Middle name
Family name Rose
Email
Qualification (MD...)
Country UNITED KINGDOM

IN175

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name AIREDALE NHS FOUNDATION TRUST
Address AIREDALE GENERAL HOSPITAL
SKIPTON ROAD
STEETON KEIGHLEY WEST YORKSHIRE
Post Code BD20 6TD

Forename Gary
Middle name
Family name Reah
Email
Qualification (MD...)
Country UNITED KINGDOM

IN176

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BRADFORD TEACHING HOSPITALS NHS FOUNDATION TRUST
Address BRADFORD ROYAL INFIRMARY
DUCKWORTH LANE
BRADFORD WEST YORKSHIRE
Post Code BD9 6RJ

Forename Andrew
Middle name
Family name Brennan
Email
Qualification (MD...)
Country UNITED KINGDOM

IN177

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name YORK TEACHING HOSPITAL NHS FOUNDATION TRUST
Address YORK HOSPITAL
WIGGINTON ROAD
YORK NORTH YORKSHIRE
Post Code YO31 8HE

Forename Jonathon
Middle name
Family name Wilson
Email
Qualification (MD...)
Country UNITED KINGDOM

IN178

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SCARBOROUGH AND NORTH EAST YORKSHIRE HEALTH CARE NHS TRUST
Address SCARBOROUGH GENERAL HOSPITAL
WOODLANDS DRIVE
SCARBOROUGH NORTH YORKSHIRE
Post Code YO12 6QL

Forename Linda
Middle name
Family name Bruzaite
Email
Qualification (MD...)
Country UNITED KINGDOM

IN179

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NORTHERN LINCOLNSHIRE AND GOOLE HOSPITALS NHS FOUNDATION TRUST
Address DIANA PRINCESS OF WALES HOSPITAL
SCARTH ROAD
GRIMSBY NORTH EAST LINCOLNSHIRE
Post Code DN33 2BA

Forename I
Middle name
Family name McNeil
Email
Qualification (MD...)
Country UNITED KINGDOM

IN180	<input checked="" type="radio"/> NHS site	Forename	Balaji
	<input type="radio"/> Non-NHS site	Middle name	
Country:	England	Family name	Packianathaswamy
		Email	
Organisation name	HULL AND EAST YORKSHIRE HOSPITALS NHS TRUST	Qualification (MD...)	
Address	HULL ROYAL INFIRMARY ANLABY ROAD HULL EAST YORKSHIRE	Country	UNITED KINGDOM
Post Code	HU3 2JZ		

PART D: Declarations**D1. Declaration by Chief Investigator**

1. The information in this form is accurate to the best of my knowledge and belief and I take full responsibility for it.
2. I undertake to abide by the ethical principles underlying the Declaration of Helsinki and good practice guidelines on the proper conduct of research.
3. If the research is approved I undertake to adhere to the study protocol, the terms of the full application as approved and any conditions set out by review bodies in giving approval.
4. I undertake to notify review bodies of substantial amendments to the protocol or the terms of the approved application, and to seek a favourable opinion from the main REC before implementing the amendment.
5. I undertake to submit annual progress reports setting out the progress of the research, as required by review bodies.
6. I am aware of my responsibility to be up to date and comply with the requirements of the law and relevant guidelines relating to security and confidentiality of patient or other personal data, including the need to register when necessary with the appropriate Data Protection Officer. I understand that I am not permitted to disclose identifiable data to third parties unless the disclosure has the consent of the data subject or, in the case of patient data in England and Wales, the disclosure is covered by the terms of an approval under Section 251 of the NHS Act 2006.
7. I understand that research records/data may be subject to inspection by review bodies for audit purposes if required.
8. I understand that any personal data in this application will be held by review bodies and their operational managers and that this will be managed according to the principles established in the Data Protection Act 1998.
9. I understand that the information contained in this application, any supporting documentation and all correspondence with review bodies or their operational managers relating to the application:
 - ◊ Will be held by the REC (where applicable) until at least 3 years after the end of the study; and by NHS R&D offices (where the research requires NHS management permission) in accordance with the NHS Code of Practice on Records Management.
 - ◊ May be disclosed to the operational managers of review bodies, or the appointing authority for the REC (where applicable), in order to check that the application has been processed correctly or to investigate any complaint.
 - ◊ May be seen by auditors appointed to undertake accreditation of RECs (where applicable).
 - ◊ Will be subject to the provisions of the Freedom of Information Acts and may be disclosed in response to requests made under the Acts except where statutory exemptions apply.
 - ◊ May be sent by email to REC members.
10. I understand that information relating to this research, including the contact details on this application, may be held on national research information systems, and that this will be managed according to the principles established in the Data Protection Act 1998.
11. Where the research is reviewed by a REC within the UK Health Departments Research Ethics Service, I understand that the summary of this study will be published on the website of the National Research Ethics Service (NRES), together with the contact point for enquiries named below. Publication will take place no earlier than 3 months after issue of the ethics committee's final opinion or the withdrawal of the application.

Contact point for publication*(Not applicable for R&D Forms)*

NRES would like to include a contact point with the published summary of the study for those wishing to seek further information. We would be grateful if you would indicate one of the contact points below.

☒ Chief Investigator

- ☐ Sponsor
- ☐ Study co-ordinator
- ☐ Student
- ☐ Other – please give details
- ☐ None

Access to application for training purposes *(Not applicable for R&D Forms)*

Optional – please tick as appropriate:

☒ I would be content for members of other RECs to have access to the information in the application in confidence for training purposes. All personal identifiers and references to sponsors, funders and research units would be removed.

This section was signed electronically by Dr Daniel Martin on 15/07/2016 11:02.

Job Title/Post: Consultant in Anaesthesia and Intensive Care Medicine
Organisation: Royal Free Hospital/ UCL
Email: daniel.martin@ucl.ac.uk

D2. Declaration by the sponsor's representative

If there is more than one sponsor, this declaration should be signed on behalf of the co-sponsors by a representative of the lead sponsor named at A64-1.

I confirm that:

1. This research proposal has been discussed with the Chief Investigator and agreement in principle to sponsor the research is in place.
2. An appropriate process of scientific critique has demonstrated that this research proposal is worthwhile and of high scientific quality.
3. Any necessary indemnity or insurance arrangements, as described in question A76, will be in place before this research starts. Insurance or indemnity policies will be renewed for the duration of the study where necessary.
4. Arrangements will be in place before the study starts for the research team to access resources and support to deliver the research as proposed.
5. Arrangements to allocate responsibilities for the management, monitoring and reporting of the research will be in place before the research starts.
6. The duties of sponsors set out in the Research Governance Framework for Health and Social Care will be undertaken in relation to this research.

Please note: The declarations below do not form part of the application for approval above. They will not be considered by the Research Ethics Committee.

7. Where the research is reviewed by a REC within the UK Health Departments Research Ethics Service, I understand that the summary of this study will be published on the website of the National Research Ethics Service (NRES), together with the contact point for enquiries named in this application. Publication will take place no earlier than 3 months after issue of the ethics committee's final opinion or the withdrawal of the application.
8. Specifically, for submissions to the Research Ethics Committees (RECs) I declare that any and all clinical trials approved by the HRA since 30th September 2013 (as defined on IRAS categories as clinical trials of medicines, devices, combination of medicines and devices or other clinical trials) have been registered on a publically accessible register in compliance with the HRA registration requirements for the UK, or that any deferral granted by the HRA still applies.

This section was signed electronically by Mr David Wilson on 15/07/2016 11:26.

Job Title/Post: UCL Sponsor representative
Organisation: UCL
Email: david.wilson@ucl.ac.uk