

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

			(MD...)
	Organisation name	BLACKPOOL TEACHING HOSPITALS NHS FOUNDATION TRUST	Country
	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		Forename Sue Middle name Family name Harding Email Qualification (MD...)
	Country: England		Country UNITED KINGDOM
	Organisation name	UNIVERSITY HOSPITALS OF MORECAMBE BAY NHS FOUNDATION TRUST	
	Address	WESTMORLAND GENERAL HOSPITAL BURTON ROAD KENDAL CUMBRIA	
	Post Code	LA9 7RG	
IN6	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Sujesh Middle name Family name Bansal Email Qualification (MD...)
	Country: England		Country UNITED KINGDOM
	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	
IN7	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename Stephen Middle name Family name Davies Email Qualification (MD...)
	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

Country UNITED KINGDOM

IN8

NHS site
 Non-NHS site

Country: England

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

Organisation name WRIGHTINGTON, WIGAN AND LEIGH NHS FOUNDATION TRUST
 Address THE ELMS
 ROYAL ALBERT EDWARD INFIRMARY
 WIGAN LANE WIGAN LANCASHIRE
 Post Code WN1 2NN

Country UNITED KINGDOM

IN9

NHS site
 Non-NHS site

Country: England

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

Organisation name SALFORD ROYAL NHS FOUNDATION TRUST
 Address SALFORD ROYAL
 STOTT LANE
 SALFORD GREATER MANCHESTER
 Post Code M6 8HD

Country UNITED KINGDOM

IN10

NHS site
 Non-NHS site

Country: England

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

Organisation name STOCKPORT NHS FOUNDATION TRUST
 Address STEPPING HILL HOSPITAL
 POPLAR GROVE
 STOCKPORT CHESHIRE
 Post Code SK2 7JE

Country UNITED KINGDOM

IN11

NHS site
 Non-NHS site

Country: England

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

Organisation name TAMESIDE HOSPITAL NHS FOUNDATION TRUST
 Address TAMESIDE GENERAL HOSPITAL
 FOUNTAIN STREET
 ASHTON-UNDER-LYNE LANCASHIRE
 Post Code OL6 9RW

Country UNITED KINGDOM

IN12

NHS site
 Non-NHS site

Country: England

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

Organisation name TRAFFORD HEALTHCARE NHS TRUST
 Address TRAFFORD GENERAL HOSPITAL
 MOORSIDE ROAD
 URMSTON MANCHESTER GREATER
 MANCHESTER
 Post Code M41 5SL

Country UNITED KINGDOM

IN13

NHS site
 Non-NHS site

Country: England

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

Organisation name UNIVERSITY HOSPITAL OF SOUTH MANCHESTER NHS FOUNDATION TRUST
 Address WYTHENSHAW HOSPITAL
 SOUTHMOOR ROAD
 WYTHENSHAW MANCHESTER GREATER MANCHESTER
 Post Code M23 9LT

Country UNITED KINGDOM

IN14

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 Andrew
 Middle name Fairfield General Hospital
 Family name Drummond
 Email
 Qualification (MD...)

Country UNITED KINGDOM

IN15

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 Rochdale Infirmary
 Family name Saha
 Email
 Qualification (MD...)

Country UNITED KINGDOM

IN16

NHS site
 Non-NHS site

Country: England

Forename Kailash
 Middle name St Mary's Manchester
 Family name Bhatia
 Email

IN17

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

Qualification (MD...)
 Country UNITED KINGDOM

NHS site
 Non-NHS site

Country: England

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

Organisation name LIVERPOOL HEART AND CHEST NHS FOUNDATION TRUST
 Address THOMAS DRIVE
 LIVERPOOL MERSEYSIDE
 Post Code L14 3PE

Country UNITED KINGDOM

IN18

NHS site
 Non-NHS site

Country: England

Forename Simon
 Middle name
 Family name Morton
 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

NHS site
 Non-NHS site

Country: England

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

Organisation name AINTREE UNIVERSITY HOSPITALS NHS FOUNDATION TRUST
 Address UNIVERSITY HOSPITAL AINTREE
 FAZAKERLEY HOSPITAL
 LOWER LANE LIVERPOOL MERSEYSIDE
 Post Code L9 7AL

Country UNITED KINGDOM

IN20

NHS site
 Non-NHS site

Country: England

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

Organisation name LIVERPOOL WOMEN'S NHS FOUNDATION TRUST
 Address LIVERPOOL WOMENS HOSPITAL
 CROWN STREET
 LIVERPOOL MERSEYSIDE
 Post Code L8 7SS

Country UNITED KINGDOM

IN21

NHS site
 Non-NHS site

Country: England

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

Organisation name EAST CHESHIRE NHS TRUST
 Address MACCLESFIELD DISTRICT GEN HOSPITAL
 VICTORIA ROAD
 MACCLESFIELD CHESHIRE
 Post Code SK10 3BL

Country UNITED KINGDOM

IN22

NHS site
 Non-NHS site

Country: England

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

Organisation name COUNTESS OF CHESTER HOSPITAL NHS
 FOUNDATION TRUST
 Address THE COUNTESS OF CHESTER HEALTH PARK

 CHESTER CHESHIRE
 Post Code CH2 1UL

Country UNITED KINGDOM

IN23

NHS site
 Non-NHS site

Country: England

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

Organisation name WIRRAL UNIVERSITY TEACHING HOSPITAL NHS
 FOUNDATION TRUST
 Address ARROWE PARK HOSPITAL
 ARROWE PARK ROAD
 UPTON WIRRAL MERSEYSIDE
 Post Code CH49 5PE

Country UNITED KINGDOM

IN24

NHS site
 Non-NHS site

Country: England

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

Organisation name SOUTHPORT AND ORMSKIRK HOSPITAL NHS
 TRUST
 Address TOWN LANE

 SOUTHPORT MERSEYSIDE
 Post Code PR8 6PN

Country UNITED KINGDOM

IN25

NHS site
 Non-NHS site

Country: England

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

Organisation name MID CHESHIRE HOSPITALS NHS FOUNDATION TRUST
 Address LEIGHTON HOSPITAL
 LEIGHTON
 CREWE CHESHIRE
 Post Code CW1 4QJ

Country UNITED KINGDOM

IN26

NHS site
 Non-NHS site

Country: England

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

Organisation name THE WALTON CENTRE NHS FOUNDATION TRUST
 Address LOWER LANE

 LIVERPOOL MERSEYSIDE
 Post Code L9 7LJ

IN27

NHS site
 Non-NHS site

Country: England

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

Organisation name WARRINGTON AND HALTON HOSPITALS NHS FOUNDATION TRUST
 Address WARRINGTON HOSPITAL
 LOVELY LANE
 WARRINGTON CHESHIRE
 Post Code WA5 1QG

Country UNITED KINGDOM

IN28

NHS site
 Non-NHS site

Country: England

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

Organisation name ST HELENS AND KNOWSLEY HOSPITALS NHS TRUST
 Address WHISTON HOSPITAL
 WARRINGTON ROAD
 PRESCOT MERSEYSIDE
 Post Code L35 5DR

Country UNITED KINGDOM

IN29

NHS site
 Non-NHS site

Country: England

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

Organisation name SOUTHAMPTON UNIVERSITY HOSPITALS NHS TRUST
 Address MAILPOINT 18
 SOUTHAMPTON GENERAL HOSPITAL
 TREMONA ROAD SOUTHAMPTON HAMPSHIRE
 Post Code SO16 6YD

Country UNITED KINGDOM

IN30

NHS site
 Non-NHS site

Country: England

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

Organisation name PORTSMOUTH HOSPITALS NHS TRUST
 Address DE LA COURT HOUSE
 QUEEN ALEXANDRA HOSPITAL
 SOUTHWICK HILL ROAD PORTSMOUTH HAMPSHIRE
 Post Code PO6 3LY

Country UNITED KINGDOM

IN31

NHS site
 Non-NHS site

Country: England

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

Organisation name WINCHESTER AND EASTLEIGH HEALTHCARE NHS TRUST
 Address ROYAL HAMPSHIRE COUNTY HOSPITAL
 ROMSEY ROAD
 WINCHESTER HAMPSHIRE
 Post Code SO22 5DG

Country UNITED KINGDOM

IN32

NHS site
 Non-NHS site

Country: England

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

Organisation name BASINGSTOKE AND NORTH HAMPSHIRE NHS FOUNDATION TRUST
 Address ALDERMASTON ROAD
 BASINGSTOKE HAMPSHIRE
 Post Code RG24 9NA

Country UNITED KINGDOM

IN33

NHS site
 Non-NHS site

Country: England

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

Organisation name POOLE HOSPITAL NHS FOUNDATION TRUST
 Address LONGFLEET ROAD
 POOLE DORSET
 Post Code BH15 2JB

Country UNITED KINGDOM

IN34

NHS site
 Non-NHS site

Country: England

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

Organisation name THE ROYAL BOURNEMOUTH AND CHRISTCHURCH HOSPITALS NHS FOUNDATION TRUST
 Address ROYAL BOURNEMOUTH GENERAL HOSPITAL
 CASTLE LANE EAST
 BOURNEMOUTH DORSET
 Post Code BH7 7DW

Country UNITED KINGDOM

IN35

NHS site
 Non-NHS site

Country: England

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

Organisation name SALISBURY NHS FOUNDATION TRUST
 Address SALISBURY DISTRICT HOSPITAL
 ODSTOCK ROAD
 SALISBURY WILTSHIRE
 Post Code SP2 8BJ

Country UNITED KINGDOM

IN36

NHS site
 Non-NHS site

Country: England

Forename Benjamin
 Middle name
 Family name Harris
 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

NHS site
 Non-NHS site

Country: England

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

Organisation name SHEFFIELD TEACHING HOSPITALS NHS FOUNDATION TRUST
 Address NORTHERN GENERAL HOSPITAL
 HERRIES ROAD
 SHEFFIELD SOUTH YORKSHIRE
 Post Code S5 7AU

Country UNITED KINGDOM

IN38

NHS site
 Non-NHS site

Country: Wales

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

Institution name Nevill Hall Hospital, Aneurin Bevan University Hea
 Department name Department of Anaesthetics
 Street address Brecon Road
 Town/city Abergavenny
 Post Code NP7 7EG

Country UNITED KINGDOM

IN39

NHS site
 Non-NHS site

Country: Wales

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

Institution name Royal Gwent Hospital, Aneurin Bevan University Hea
 Department name Department of Anaesthetics
 Street address Cardiff Road
 Town/city Newport
 Post Code NP20 2UB

Country UNITED KINGDOM

IN40

NHS site
 Non-NHS site

Country: Wales

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

Institution name University Hospital of Wales, Cardiff and Vale Uni
 Department name Department of Anaesthetics
 Street address Heath Park
 Town/city Cardiff
 Post Code 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

Country: Wales

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

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

Country: Wales

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

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

Country: Wales

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

Institution name Prince Philip Hospital, Hywel Dda University Healt
 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

Country: Wales

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

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

Country: Wales

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

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

Country: Northern Ireland

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

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

- NHS site
- Non-NHS site

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

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

IN56

- NHS site
- Non-NHS site

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

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

IN57

- NHS site
- Non-NHS site

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

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

IN58

- NHS site
- Non-NHS site

Country: Northern Ireland

Institution name Ulster Hospital
 Department name Department of Anaesthetics

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

Street address Upper Newtonards Road
Town/city Dundonald, Belfast
Post Code BT16 1RH

IN59

- NHS site
- Non-NHS site

Country: Northern Ireland

Institution name Craigavon Area Hospital
Department name Department of Anaesthetics
Street address 68 Lurgan Road
Town/city Portadown
Post Code BT63 5QQ

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

IN60

- NHS site
- Non-NHS site

Country: Northern Ireland

Institution name Altnagelvin Area Hospital
Department name Department of Anaesthetics
Street address Glenshane Road
Town/city Londonderry
Post Code BT47 6SB

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

IN61

- NHS site
- Non-NHS site

Country: Northern Ireland

Institution name Antrim Area Hospital
Department name Department of Anaesthetics
Street address 45 Bush Road
Town/city Antrim
Post Code BT41 2RL

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

IN62

- NHS site
- Non-NHS site

Country: England

Forename David
Middle name
Family name Buckley
Email
Qualification

	Organisation name	COUNTY DURHAM AND DARLINGTON NHS FOUNDATION TRUST	(MD...)	
	Address	DARLINGTON MEMORIAL HOSPITAL HOLLYHURST ROAD DARLINGTON COUNTY DURHAM	Country	UNITED KINGDOM
	Post Code	DL3 6HX		

IN63

NHS site
 Non-NHS site

Country: England

Organisation name	NORTH TEES AND HARTLEPOOL NHS FOUNDATION TRUST
Address	UNIVERSITY HOSPITAL OF HARTLEPOOL HOLDFORTH ROAD HARTLEPOOL CLEVELAND
Post Code	TS24 9AH

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

Country UNITED KINGDOM

IN64

NHS site
 Non-NHS site

Country: England

Organisation name	SOUTH TEES HOSPITALS NHS FOUNDATION TRUST
Address	JAMES COOK UNIVERSITY HOSPITAL MARTON ROAD MIDDLESBROUGH CLEVELAND
Post Code	TS4 3BW

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

Country UNITED KINGDOM

IN65

NHS site
 Non-NHS site

Country: England

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

Organisation name CITY HOSPITALS SUNDERLAND NHS FOUNDATION TRUST
 Address SUNDERLAND ROYAL HOSPITAL
 KAYLL ROAD
 SUNDERLAND TYNE AND WEAR
 Post Code SR4 7TP

Country UNITED KINGDOM

IN66

NHS site
 Non-NHS site

Country: England

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

Organisation name UNIV HOSP NORTH DURHAM
 Address UNIV HOSP NORTH DURHAM
 NORTH ROAD
 DURHAM
 Post Code DH1 5TW

Country UNITED KINGDOM

IN67

NHS site
 Non-NHS site

Country: England

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

Organisation name THE NEWCASTLE UPON TYNE HOSPITALS NHS FOUNDATION TRUST
 Address FREEMAN HOSPITAL
 FREEMAN ROAD
 HIGH HEATON NEWCASTLE-UPON-TYNE TYNE AND WEAR
 Post Code NE7 7DN

Country UNITED KINGDOM

IN68

NHS site
 Non-NHS site

Country: England

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

Organisation name THE NEWCASTLE UPON TYNE HOSPITALS NHS FOUNDATION TRUST
 Address FREEMAN HOSPITAL
 FREEMAN ROAD
 HIGH HEATON NEWCASTLE-UPON-TYNE TYNE AND WEAR
 Post Code NE7 7DN

Country UNITED KINGDOM

IN69

NHS site
 Non-NHS site

Country: England

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

Organisation name GATESHEAD HEALTH NHS FOUNDATION TRUST
 Address QUEEN ELIZABETH HOSPITAL
 GATESHEAD TYNE AND WEAR
 Post Code NE9 6SX

Country UNITED KINGDOM

IN70

NHS site
 Non-NHS site

Country: England

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

Organisation name NORTHUMBRIA HEALTHCARE NHS FOUNDATION TRUST
 Address RAKE LANE
 NORTH SHIELDS TYNE AND WEAR
 Post Code NE29 8NH

Country UNITED KINGDOM

IN71

NHS site
 Non-NHS site

Country: England

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

IN72
 Organisation name NORTH CUMBRIA UNIVERSITY HOSPITALS NHS TRUST
 Address WEST CUMBERLAND HOSPITAL
 HENSINGHAM
 WHITEHAVEN CUMBRIA
 Post Code CA28 8JG

Country UNITED KINGDOM

NHS site
 Non-NHS site

Forename Sam
 Middle name Radcliffe site
 Family name Clark
 Email
 Qualification (MD...)

Country: England

IN73
 Organisation name OXFORD RADCLIFFE HOSPITALS NHS TRUST
 Address JOHN RADCLIFFE HOSPITAL
 HEADLEY WAY
 HEADINGTON OXFORD OXFORDSHIRE
 Post Code OX3 9DU

Country UNITED KINGDOM

NHS site
 Non-NHS site

Forename Sam
 Middle name Churchill site
 Family name Clark
 Email
 Qualification (MD...)

Country: England

IN74
 Organisation name OXFORD RADCLIFFE HOSPITALS NHS TRUST
 Address JOHN RADCLIFFE HOSPITAL
 HEADLEY WAY
 HEADINGTON OXFORD OXFORDSHIRE
 Post Code OX3 9DU

Country UNITED KINGDOM

NHS site
 Non-NHS site

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

Country: England

Organisation name NUFFIELD ORTHOPAEDIC CENTRE NHS TRUST
 Address WINDMILL ROAD
 HEADINGTON
 OXFORD OXFORDSHIRE
 Post Code OX3 7LD

Country UNITED KINGDOM

IN75

NHS site
 Non-NHS site

Country: England

Forename Richard
 Middle name Horton site
 Family name Siviter
 Email
 Qualification (MD...)

Organisation name OXFORD RADCLIFFE HOSPITALS NHS TRUST
 Address JOHN RADCLIFFE HOSPITAL
 HEADLEY WAY
 HEADINGTON OXFORD OXFORDSHIRE
 Post Code OX3 9DU

Country UNITED KINGDOM

IN76

NHS site
 Non-NHS site

Country: England

Forename Prad
 Middle name Stoke Mandeville site
 Family name Shanmuga
 Email
 Qualification (MD...)

Organisation name BUCKINGHAMSHIRE HEALTHCARE NHS TRUST
 Address AMERSHAM HOSPITAL
 WHIELDEN STREET
 AMERSHAM BUCKINGHAMSHIRE
 Post Code HP7 0JD

Country UNITED KINGDOM

IN77

NHS site
 Non-NHS site

Country: England

Forename Orad
 Middle name Wycombe site
 Family name Shanmuga
 Email
 Qualification (MD...)

Organisation name	BUCKINGHAMSHIRE HEALTHCARE NHS TRUST	Country	UNITED KINGDOM
Address	AMERSHAM HOSPITAL WHIELDEN STREET AMERSHAM BUCKINGHAMSHIRE		
Post Code	HP7 0JD		

IN78

NHS site
 Non-NHS site

Country: England

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

Organisation name	ROYAL BERKSHIRE NHS FOUNDATION TRUST	Country	UNITED KINGDOM
Address	ROYAL BERKSHIRE HOSPITAL LONDON ROAD READING BERKSHIRE		
Post Code	RG1 5AN		

IN79

NHS site
 Non-NHS site

Country: England

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

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		

IN80

NHS site
 Non-NHS site

Country: England

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

Organisation name	MILTON KEYNES HOSPITAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
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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

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

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
 CHESTERFIELD DERBYSHIRE
 Post Code 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

STANMORE MIDDLESEX
Post Code 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

LONDON GREATER LONDON
Post Code 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
 ISLEWORTH MIDDLESEX
 Post Code 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
 UXBRIDGE MIDDLESEX
 Post Code 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

Forename Carolyne
 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
 NETHERMAYNE BASILDON ESSEX
 Post Code 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

- NHS site
- Non-NHS site

Country: England

Organisation name HULL AND EAST YORKSHIRE HOSPITALS NHS TRUST
Address HULL ROYAL INFIRMARY
ANLABY ROAD
HULL EAST YORKSHIRE
Post Code HU3 2JZ

Forename Balaji
Middle name
Family name Packianathaswamy
Email
Qualification (MD...)
Country UNITED KINGDOM

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