

# Does NIGHT-time dialysis improve quality of LIFE?

<b>Submission date</b> 03/07/2020	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
<b>Registration date</b> 14/07/2020	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 19/03/2025	<b>Condition category</b> Urological and Genital Diseases	<input type="checkbox"/> Individual participant data <input checked="" type="checkbox"/> Record updated in last year

## Plain English summary of protocol

### Background and study aims

Kidney dialysis is a lifesaving treatment for patients with kidney failure with around 24,000 patients receiving regular haemodialysis at a hospital or in a satellite clinic in the UK. Despite the benefits of receiving treatment, people with kidney failure who are on dialysis suffer from lots of intrusive symptoms and ultimately their lives are shortened because of this devastating disease. Most patients have a set dialysis appointment time lasting for 4 hours, 3 times per week, with travel time in addition. This is mainly because it is convenient for the hospital and not the patient. Studies have shown that being treated with the dialysis machine for longer has benefits, but the hard fact is that medical teams struggle to schedule more flexible or extended dialysis schedules due to the volume of patients and finite numbers of machines and staff.

In-centre nocturnal haemodialysis offers patients something different; the opportunity to have their treatment overnight in a hospital or satellite dialysis clinic while they sleep. Studies suggest that people who have their dialysis overnight may live longer, feel better and may be able to live a life which is closer to normal. Because overnight dialysis (typically 6-8 hours) is a lengthier treatment, it rids the blood of more waste and excess water, acting more like a patient's normal kidneys which would be working 24/7. As it removes fluid more slowly, it also helps heart function. Importantly, it frees the person up during the day to socialise, work and care for others.

What we know about doing dialysis for longer isn't perfect though. People who choose to do more dialysis may feel better and live longer for other, completely unrelated reasons. The only way to know for sure is to compare longer treatment times overnight with the standard 4-hour daytime treatment in a well-designed clinical trial. Previous trials haven't always measured what matters to people with kidney failure which has made it difficult to assess the impact of a particular treatment on real lives. To make sure these mistakes are not repeated, the current study has been designed with the help of dialysis patients and medical teams from centres that are already offering overnight dialysis and also from those that don't.

This study asks the question whether six-months of overnight dialysis, performed three times a week in a hospital or satellite centre, improves the quality of life of patients with kidney failure, as compared to those who have shorter dialysis sessions during the day. People who are suitable

and consent to take part (and who require dialysis for kidney failure) will be allocated at random to either nocturnal dialysis or daytime dialysis, which means their treatment will be determined by chance. This is done to create two groups of patients that are as similar as possible, allowing us to compare the two treatments fairly. Quality of life will be measured after 6-months of treatment using questionnaires that have been specifically designed for kidney patients. We will also collect information on the extra costs of night-time dialysis, to see whether the new treatment is more cost-effective than conventional dialysis care, for the person and the health service. Finally, we will evaluate the experiences of patients who are enrolled in the study to identify barriers to how the treatment would be rolled out across the NHS, if we were to find that it does benefit patients.

#### Who can participate?

Adult patients who have been receiving haemodialysis for over 3 months

#### What does the study involve?

Participants will be randomly allocated to receive either: night-time haemodialysis (with sessions lasting between 6 and 8 hours, in-centre, 3 times per week), or standard care (daytime dialysis, with sessions lasting between 3.5 and 5 hours, in-centre, 3 times per week), for 6 months.

#### What are the possible benefits and risks of participating?

There are no guaranteed benefits to taking part in the study. Night-time in-centre haemodialysis offers patients the opportunity to have their treatment overnight in a hospital or satellite dialysis clinic while they sleep. It is thought that night-time dialysis will free up patients' time during the day to socialise, work and care for others. All participants taking part in this study will also be helping to make a significant contribution to research into both daytime and night-time dialysis, which may improve future treatment. It is hoped that the results of the study will help us design improved treatments for other kidney patients in the future.

Participants randomised to night-time dialysis will be sleeping in a clinic rather than their own bed while undergoing treatment. It may, therefore, take them a while to get used to sleeping through treatment and in an unfamiliar environment. To help counteract this, participants will be provided with a 'starter pack' which will include a blindfold and ear plugs to help them sleep. The use of 'soft close' bins will be recommended at the dialysis unit to help minimise disruption.

If participants are randomised to night-time dialysis, their dialysis prescription may change. Dialysis prescriptions and dietary advice are individualised and each participant's supervising consultant will review their prescription on a monthly basis, just as they do with all patients on dialysis, and make changes as appropriate. This will not change and participants will continue to be reviewed on a monthly basis just as if they were receiving daytime dialysis. The research team will also be available to offer any guidance they may need to help with this. There may be less opportunity to access additional resources face-to-face, e.g. doctors and dietitians, during a night shift. However, this will be replaced with phone calls to ensure participants receive the care they need.

It is also possible that more dialysis may cause a faster decline in patients' own remaining kidney function, although this is not known for sure, nor is it known what the consequences of this might be. This forms part of the study and the results will help to confirm if certain patients would be better suited to nocturnal dialysis than others.

#### Serious adverse events (SAEs)

Common non-life-threatening symptoms such as constipation, diarrhoea, headache, etc. do not need to be reported for this study.

It is expected that participants will experience a significant number of underlying health conditions and consequently an increased number of expected hospital admissions. Therefore only SAEs that are clearly related to the study intervention and of a serious nature will subject to expedited reporting to the Sponsor. This will comprise:

1. Issues around vascular access, i.e. needle dislodgement during dialysis, causing bleeding
2. Events that occur as a direct result of changes to a participant's dialysis prescription, e.g. hypokalaemia or hypophosphataemia
3. Anything else in the Investigator's opinion that is related and unexpected.

All other SAEs will be recorded using the SAE Log CRF, which will document SAE name /description, outcome, treatment, severity, expectedness and relatedness to the study intervention. SAE data will be recorded on the Macro database at regular intervals so that LCTU can generate up-to-date reports for the annual DSMC meetings. The DSMC will review the listings for clinical relevance and advise the TSC and Sponsor on the suitability of the continuance of the study following their review of the ongoing safety data and whether any further data should be collected or additional analyses undertaken.

Where is the study run from?

18 haemodialysis units across England, Scotland, Wales and Northern Ireland (UK)

When is the study starting and how long is it expected to run for?

From January 2020 to April 2025

Who is funding the study?

National Institute for Health and Care Research Health (NIHR) Technology Assessment (HTA) Programme (UK) (ref: NIHR127440)

Who is the main contact?

Central coordinating centre: [nightlife@leicester.ac.uk](mailto:nightlife@leicester.ac.uk)

Prof James Burton (CI): [jb343@leicester.ac.uk](mailto:jb343@leicester.ac.uk)

Dr Katherine Hull (Clinical Research Fellow): [kh326@leicester.ac.uk](mailto:kh326@leicester.ac.uk)

### **Study website**

<https://nightlifestudy.co.uk/>

## **Contact information**

### **Type(s)**

Public

### **Contact name**

Miss Niamh Quann

### **ORCID ID**

<http://orcid.org/0000-0001-8870-3437>

### **Contact details**

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+44 (0)116 229 7243  
nightlife@leicester.ac.uk

**Type(s)**

Scientific

**Contact name**

Prof James Burton

**ORCID ID**

<https://orcid.org/0000-0003-1176-7592>

**Contact details**

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+44 (0)116 258 8043  
jb343@le.ac.uk

## Additional identifiers

**EudraCT/CTIS number**

Nil known

**IRAS number**

280452

**ClinicalTrials.gov number**

Nil known

**Secondary identifying numbers**

IRAS 280452, UOL0744

## Study information

**Scientific Title**

A randomised controlled trial assessing the effectiveness and cost effectiveness of thrice weekly, extended, in-centre nocturnal haemodialysis versus daytime haemodialysis using a mixed methods approach

**Acronym**

NightLife

## **Study objectives**

The overall aim of this study is to test the clinical and cost effectiveness of thrice weekly, extended hours nocturnal dialysis compared to standard dialysis care thrice weekly during the day.

## **Ethics approval required**

Old ethics approval format

## **Ethics approval(s)**

1. Approved 11/12/2020, West Midlands - Edgbaston Research Ethics Committee (The Royal College of Surgeons of Edinburgh, 85-89 Colmore Row, Birmingham, B3 2BB, UK; +44 (0)20 7104 8112; edgbaston.rec@hra.nhs.uk), ref: 20/WM/0275
2. CAG support 11/12/2020, Confidentiality Advice Team - Health Research Authority (2 Redman Place, Stratford, London, E20 1JQ, UK; +44207 104 8100; cag@hra.nhs.uk), CAG ref: 20/CAG/0136

## **Study design**

Pragmatic two-arm multi-centre randomized controlled trial with a health economic analysis. An internal pilot, an ongoing process evaluation and a Quintet recruitment intervention are embedded in this study.

## **Primary study design**

Interventional

## **Secondary study design**

Randomised controlled trial

## **Study setting(s)**

Hospital

## **Study type(s)**

Quality of life

## **Participant information sheet**

Not available in web format, please use the contact details to request a patient information sheet

## **Health condition(s) or problem(s) studied**

Haemodialysis, renal failure

## **Interventions**

Current intervention as of 14/05/2021:

Participants will be randomised to either:

1. Intervention arm where participants will receive 6 - 8 h of in-centre haemodialysis delivered overnight, 3 times per week for 6 months.
2. Standard care arm where participants will receive 3.5 - 5 h of in-centre haemodialysis, 3 times per week during the day for 6 months.

Randomisation: Participants will be randomised to an intervention group immediately after consent is taken using a ratio of 3 allocations to daytime haemodialysis to 4 allocations to

extended hours nocturnal dialysis (1.33:1 ratio). Randomisation will be performed via a web-based system (Sealed Envelope). The unequal allocation in favour of the intervention will account for the anticipated 25% non-adherence rate in the intervention group (patients who start nocturnal dialysis but revert to daytime dialysis within the first 2 weeks).

Internal pilot: During the first 12 months of the recruitment period the feasibility of completing the study in the desired time frame will be assessed using an internal pilot. Based on investigator experience, the following targets will be set:

1. Recruit a minimum of 2 new units per quarter; 8 units initiated at 12 months
2. Randomise an average of 12 patients per unit in the first quarter (i.e. 6 patients will start in-centre nocturnal dialysis); 96 participants randomised at 12 months
3. Experience a maximum 25% drop out rate in the first 2 weeks of starting in patients randomised to in-centre nocturnal dialysis; participant drop out in first 2 weeks of nocturnal dialysis is <25% at 12 months
4. Encounter a dropout rate of no more than 15% across the two study arms as a result of death, kidney transplantation and other factors (e.g. moving out of area); remaining loss to follow-up is <15% at 12 months

Embedded process evaluation: A process evaluation will provide formative evaluation of the study processes and activities, in order to refine and amend where needed, and an evaluation of the intervention's implementation, including: assessment of whether and how well implementation is per protocol (components, timing and duration etc.) and identification of the contextual factors that influence its implementation and adoption. This will involve a researcher conducting observations in the dialysis units over the course of the NightLife study and conducting semi-structured interviews with staff, patients and/or visitors. In the lead up to the study (before observations begin) a researcher will visit each dialysis unit and explain to staff and patients what will be involved in the process evaluation (observations, document collation and interviews); this will give staff and patients the chance to ask questions about the study and express any concerns. It is anticipated that observations will be made in, and collating documentation obtained from, approximately half the total number of sites (n=9); with typically, 2-3 visits per site at different time-points (e.g. pre-intervention, during the training period and during INHD delivery).

An alternative method of qualitative data collection has been introduced to add resilience to the study in the COVID-19 era, thus making the deliverability of the process evaluation more robust. This will involve semi-structured interviews with staff and virtual photovoice with patients. This will assist the researcher to gain an understanding of usual haemodialysis practice and the patient experience of this where observational research cannot take place due to COVID-19 restrictions, but will also continue to be a flexible option for staff members and patients going forward. An electronic consent process has also been introduced to add resilience where face-to-face consent is not feasible.

QuinteT Recruitment Intervention (QRI): Two key recruitment concerns were raised through the PPIE/staff discussions in the lead up to the grant application: (i) the potential for 'resentful demoralisation' in patients allocated to the control group, and (ii) the possibility that clinicians would consciously or sub-consciously discuss the study with select patients, rather than the full spectrum of eligible patients. An integrated QRI to optimise recruitment processes is planned to mitigate and address these issues. This will seek to understand the factors influencing recruitment and retention in 'real time', and then use these insights to inform interventions designed to improve recruitment processes for the remainder of the study. The overall aim of this work is to ensure all eligible patients receive full, clear, and accurate information about the

study, to enable an informed decision about participation. This will be achieved by identifying, understanding, and addressing equipoise issues amongst clinicians, and gaining a better understanding of how the study is communicated to/understood by patients. Helping patients to understand the potential advantages/disadvantages of both study arms is planned with the aim of reducing the risk of resentful demoralisation and crossovers. The QRI employs qualitative and mixed-method approaches to understand recruitment issues rapidly, including semi-structured interviews and analysis of audio-recorded recruitment discussions (Phase 1), and then uses this evidence to design and implement tailored strategies to optimise recruitment processes (Phase 2). This work package will complement and build upon the component of the internal pilot and process evaluation which involves monitoring recruitment and retention. Audio-recordings of recruiter-patient discussions do not require the presence of a researcher. The original protocol processes can be followed if recruitment consultations continue in person. If recruitment consultations need to be conducted remotely via telephone due to COVID-19 restrictions, equipment will be provided to allow the recruiters to audio-record their telephone calls with patients (upon receipt of appropriate consent).

**Health economics evaluation:** The difference in resource use, costs, and quality of life adjusted life years (QALYs) between the intervention and control arms will be calculated. An intention to treat and per-protocol analysis will be performed (the latter informing the beyond study model below). This will reflect set-up and per session costs, ultimately reporting the cost per QALY gained; that is, the ratio of the change in costs to the change in QALYs between the 2 groups. The incremental cost per dialysis treatment and cost per patient per year will also be calculated. A sensitivity analysis will be undertaken to assess the robustness of the results to any assumptions made in the analysis. Resource use, expenditure data, and broader social data will be collected from participant self-completed questionnaires at 1-, 3- and 6-months as well as routine clinical databases (HES, ONS and UKRR). A diary will also be provided to participants to record their healthcare usage and subsequently use this information to aid the completion of the aforementioned self-completed questionnaire. The EQ-5D-5L questionnaire will be used to determine health state descriptions for the five components combined with preference-weighted health-related quality of life index scores (as approved by NICE) to generate QALY profiles for the cost-effectiveness analysis. A staff questionnaire to inform the health economic evaluation will also be completed by a senior nurse responsible for the haemodialysis unit before and after implementation of the intervention. This will help us to understand how staffing and equipment differ between usual care and in-centre nocturnal dialysis.

**NightLife Cardiac MRI (CMR) sub-study:** A separately funded CMR sub-study (British Heart Foundation, ref PG/20/10132) will take place in a selection of the 18 sites participating in the main NightLife RCT. Please refer to record <https://www.isrctn.com/ISRCTN11722317> for further information.

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#### Previous interventions:

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## **Intervention Type**

Procedure/Surgery

## **Primary outcome measure**

Current primary outcome measure as of 17/02/2023:

Kidney Disease Quality of Life (KDQoL) total score (calculated from the KDQoL-SF questionnaire) measured over 6 months

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Previous primary outcome measure:

Quality of life measured using the composite score from the Kidney Disease Quality of Life tool (KDQoL) at 6 months

## **Secondary outcome measures**

Current secondary outcome measures as of 17/02/2023:

1. Kidney Disease Quality of Life (KDQoL) total score (calculated from the KDQoL-SF questionnaire) measured at 1-, 3- and 6-months
2. Kidney Disease Quality of Life (KDQoL) domains (calculated from the KDQoL-SF questionnaire) measured over 6-months
  - 2.1. Physical component summary score
  - 2.2. Mental component summary score
  - 2.3. Kidney summary score
  - 2.4. Kidney disease component summary score
3. Additional Patient Reported Outcome Measures assessed at baseline, 1, 3 and 6 months:
  - 3.1. Health-related quality of life measured using the EQ-5D-5L
  - 3.2. Levels of fatigue measured using the SONG Haemodialysis Fatigue measure
  - 3.3. Sleep quality measured using the Pittsburgh Sleep Quality Index
  - 3.4. Time to recovery after dialysis measured using a simple question on Time to Recovery (TTR)

in minutes after dialysis

3.5. Cognitive health assessed using the Montreal Cognitive Assessment at baseline, 3 months and 6 months

4. Safety measures:

4.1. Residual kidney function measured using urine collection with paired blood samples taken at the time of dialysis to give standard measures of urine volume, urea and creatinine clearance at baseline and 6 months, and serum beta-2 microglobulin in blood samples taken monthly between baseline and 6 months

4.2 Serious adverse events (SAEs)

4.2.1. SAEs in totality (rate/years)

4.2.2. Vascular access complications that lead to SAEs (rate/years)

4.2.3. Dialysis prescription changes that lead to SAEs (rate/years)

4.3. Clinical outcomes (cardiovascular events, CVD death, mortality) (rate/years) collected using Hospital Episode Statistics (HES) and Office of National Statistics (ONS) databases (or regional equivalent) on the three year anniversary of the last participant last visit

5. Measures of process:

5.1. Adherence to the intervention

5.1.1. Hours per session

5.1.2. Number of sessions missed

5.1.3. Number of sessions not meeting time criteria

5.1.4. Temporary change from treatment allocation

5.2 Clinical results and dialysis parameters

6. Cost-effectiveness analysis measures:

6.1. Resource use and expenditure measured using both: a self-completed health economics questionnaire at baseline and a resource use/expenditure questionnaire and diary at 1, 3, and 6 months from participants; and a staff questionnaire completed by a senior nurse responsible for the haemodialysis unit before and after implementation of the intervention

6.2. Cost per QALY gained

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Previous secondary outcome measures as of 14/05/2021:

1. Quality of life measured using the Kidney Disease Quality of Life tool (KDQoL) at 1 and 3 months

2. Additional Patient Reported Outcome Measures assessed at baseline, 1, 3 and 6 months:

2.1. Health-related quality of life measured using the EQ-5D-5L

2.2. Levels of fatigue measured using the SONG Haemodialysis Fatigue measure

2.3. Sleep quality measured using the Pittsburgh Sleep Quality Index

2.4. Time to recovery after dialysis measured using a simple question on Time to Recovery (TTR) in minutes after dialysis

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3. Safety measures:

3.1. Residual kidney function measured using urine collection with paired blood samples taken at the time of dialysis to give standard measures of urine volume, urea and creatinine clearance at baseline and 6 months, and serum beta-2 microglobulin in blood samples taken monthly between baseline and 6 months

3.2. Vascular access complications that lead to AEs or hospital admission using site records between baseline and 6 months

3.3. Adverse events using site records of the number and type of adverse events (including mortality, cardiovascular events, hospitalisation and vascular access interventions) collected

using Hospital Episode Statistics (HES) and Office of National Statistics (ONS) databases (or regional equivalent) at 3 years follow up

3.4. Clinical outcomes (cardiovascular events, CVD death, mortality) collected using Hospital Episode Statistics (HES) and Office of National Statistics (ONS) databases (or regional equivalent) at 3 years follow up

4. Process evaluation measures:

4.1. Adherence to the intervention and hours on dialysis at 6 months

4.2. Impact of longer dialysis on the clinical results/dialysis parameters using routinely collected data from dialysis units for required data return to the UK Renal Registry (UKRR) and Scottish Renal Registry (SRR), extracted at 1, 2 and 3 years

5. Cost-effectiveness analysis measures:

5.1. Resource use and expenditure measured using both: a self-completed health economics questionnaire at baseline and a resource use/expenditure questionnaire and diary at 1, 3, and 6 months from participants; and a staff questionnaire completed by a senior nurse responsible for the haemodialysis unit before and after implementation of the intervention

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Previous secondary outcome measures:

1. Quality of life measured using the Kidney Disease Quality of Life tool (KDQoL) at 1 and 3 months

2. Additional Patient Reported Outcome Measures assessed at baseline, 1, 3 and 6 months:

2.1. Health-related quality of life measured using the EQ-5D-5L

2.2. Levels of fatigue measured using the SONG Haemodialysis Fatigue measure

2.3. Sleep quality measured using the Pittsburgh Sleep Quality Index

2.4. Time to recovery after dialysis measured using a simple question on Time to Recovery (TTR) in minutes after dialysis

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3.3. Adverse events using site records of the number and type of adverse events (including mortality, cardiovascular events, hospitalisation and vascular access interventions) collected using Hospital Episode Statistics (HES) and Office of National Statistics (ONS) databases (or regional equivalent) at 3 years follow up

3.4. Clinical outcomes (cardiovascular events, CVD death, mortality) collected using Hospital Episode Statistics (HES) and Office of National Statistics (ONS) databases (or regional equivalent) at 3 years follow up

4. Process evaluation measures:

4.1. Adherence to the intervention and hours on dialysis at 6 months

4.2. Impact of longer dialysis on the clinical results/dialysis parameters using routinely collected data from dialysis units for required data return to the UK Renal Registry (UKRR) and Scottish Renal Registry (SRR), extracted at 1, 2 and 3 years

5. Cost-effectiveness analysis measures:

5.1. Resource use and expenditure measured using both: a self-completed health economics questionnaire at baseline and a resource use/expenditure questionnaire and diary at 1, 3, and 6 months from participants; and a staff questionnaire completed by a senior nurse responsible for

the haemodialysis unit before and after implementation of the intervention

## 5.2. Cost per QALY gained

### Overall study start date

01/01/2020

### Completion date

30/04/2025

## Eligibility

### Key inclusion criteria

1. Patients established on haemodialysis for  $\geq 3$  months (i.e. prevalent dialysis patients)
2. Aged  $\geq 18$  years
3. Able to give informed consent
4. Able to participate fully in the interventions and follow-up procedures

### Participant type(s)

Patient

### Age group

Adult

### Lower age limit

18 Years

### Sex

Both

### Target number of participants

350

### Total final enrolment

100

### Key exclusion criteria

Current exclusion criteria as of 14/05/2021:

1. Currently on in-centre nocturnal dialysis, or less than 3 months since stopping
2. Less than 3 months since stopping daily extended daytime or nocturnal dialysis
3. Patients for whom extended dialysis is clinically indicated (e.g. calciphylaxis, pregnancy)
4. Scheduled for living donor kidney transplant
5. Plans to change dialysis modality or centre in the next 6 months
6. Life expectancy of  $< 6$  months
7. Current participation in an interventional trial with conflicting therapies or primary outcomes

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Previous exclusion criteria:

1. Currently on in-centre nocturnal dialysis, or less than 3 months since stopping
2. Less than 3 months since stopping daily extended daytime or nocturnal dialysis

3. Patients for whom extended dialysis is clinically indicated randomisation to standard hours care of 4 h thrice weekly during the day would be clinically unacceptable (e.g. calciphylaxis, pregnancy)
4. Scheduled for living donor kidney transplant
5. Plans to change dialysis modality or centre in the next 6 months
6. Life expectancy of <6 months
7. Current participation in an interventional trial with conflicting therapies or primary outcomes

**Date of first enrolment**

01/10/2021

**Date of final enrolment**

31/10/2024

## **Locations**

**Countries of recruitment**

England

Northern Ireland

Scotland

United Kingdom

Wales

**Study participating centre**

**University Hospitals of Leicester NHS Trust**

Gwendolen Road

Leicester

United Kingdom

LE5 4PW

**Study participating centre**

**King's College Hospital NHS Foundation Trust**

Denmark Hill

London

United Kingdom

SE5 9RS

**Study participating centre**

**Southern Health and Social Care Trust**

Southern Area College of Nursing

Craigavon Area Hospital

68 Lurgan Road, Portadown  
Craigavon  
United Kingdom  
BT63 5QQ

**Study participating centre**  
**South Tees Hospitals NHS Foundation Trust**  
James Cook University Hospital  
Marton Road  
Middlesbrough  
United Kingdom  
TS4 3BW

**Study participating centre**  
**NHS Greater Glasgow and Clyde**  
J B Russell House  
Gartnavel Royal Hospital  
1055 Great Western Road Glasgow  
Glasgow  
United Kingdom  
G12 0XH

**Study participating centre**  
**Betsi Cadwaladr University Lhb**  
Executive Offices, Ysbyty Gwynedd  
Penrhosgarnedd  
Bangor  
United Kingdom  
LL57 2PW

## **Sponsor information**

**Organisation**  
University of Leicester

**Sponsor details**  
Research Governance Office  
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**Sponsor type**

University/education

**Website**

<https://www2.le.ac.uk/colleges/medbiopsych/research/researchgovernance>

**ROR**

<https://ror.org/04h699437>

## **Funder(s)**

**Funder type**

Government

**Funder Name**

National Institute for Health Research

**Alternative Name(s)**

National Institute for Health Research, NIHR Research, NIHRresearch, NIHR - National Institute for Health Research, NIHR (The National Institute for Health and Care Research), NIHR

**Funding Body Type**

Government organisation

**Funding Body Subtype**

National government

**Location**

United Kingdom

## **Results and Publications**

**Publication and dissemination plan**

The CI will be responsible for ensuring that the results of the study are disseminated through peer review journals, conference presentations and local mechanisms at all participating centres irrespective of the outcome within six months after the final study report. Authorship on the manuscript will be determined by the CI according to contribution to the study after discussion with the TSC, and according to the guidelines of leading medical journals. The study will be

reported in line with the CONSORT statement, which is an evidence-based, minimum set of recommendations for reporting randomised trials.

The main output from the proposed study will be robust evidence of the clinical effectiveness and cost effectiveness of in-centre nocturnal haemodialysis. The results of this RCT will be disseminated with the following groups in mind:

1. Patient and Public Involvement (PPI)

Previous PPI work has shown consensus that as many different methods as possible should be used to disseminate our results, due to the broad age range of our patient group. Annual newsletters will be sent to provide regular communication to participants. In addition, posters that will be displayed in waiting areas and receptions throughout the collaborating centres, patients and the public will be kept informed of the progress of the study through a study website constructed with input from our PPI team. The study team will also develop and lead dissemination through a Facebook page and Twitter feed. The PPI team will lead an open public dissemination event during, and at the end of the study. Our TMG is linked to the charity Kidney Research UK and will disseminate results of the study through the charity’s website and newsletter. Through the University press office and utilising our relationship with Kidney Research UK, we will use press releases to alert the popular press and broadcasters to the study, publish articles in magazines such as the British Journal of Renal Medicine and the Journal of Kidney Care. The funding requested for PPI work includes attendance at UK Kidney Week for the purpose of disseminating results and experiences.

2. Nephrology community

A large multi-professional team including doctors, specialist nurses, renal technicians, pharmacists and dieticians typically manage patients with end-stage kidney failure in hospital and satellite dialysis centres. We will therefore target these groups through conferences, seminars and meetings. All key findings from the trial will be presented at national and international conferences.

3. Wider clinical community

We will publish the protocol prior to the cessation of recruitment and at least one major peer-reviewed publication by the end of the study. We aim to publish the full results in a general medical journal such as the Lancet or New England Journal of Medicine, with the intention of reaching a global readership. The outputs will also include impact case studies to articulate the values emerging from the results of the study.

Intention to publish date

31/12/2025

Individual participant data (IPD) sharing plan

The datasets generated and/or analysed during this study will be included in the subsequent results publication.

IPD sharing plan summary

Other

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">HRA research summary</a>			28/06/2023	No	No
<a href="#">Protocol article</a>		12/08/2023	14/08/2023	Yes	No