



DELEGATE HANDBOOK

RENAL PREGNANCY SYMPOSIUM

**23rd of November 2023 at
Fetal Medicine Research Institute
16-20 Windsor Walk,
SE5 8BB London UK.**

Course description

Annual symposium to showcase recent developments in Obstetric Medicine for Nephrologists, Obstetricians, Obstetric Physicians and Midwives. The course details evidence-based management for females with kidney disease who are pregnant or planning pregnancy, including the latest in assisted reproductive technology. In this platform, speakers from leading institutions in the UK and Europe will share their expert experiences.

Educational aims:

The course will cover the following themes

- Pre-pregnancy Planning
- Assisted Reproductive Technology for females with CKD
- Obstetric Challenges & Midwifery care for high-risk complex females with CKD
- Pregnancy care in specific renal conditions including transplant, dialysis, lupus and diabetes.

Learning outcomes:

At the end of the one-day course, the attendees will have gained insight to

- Delivery of a shared decision-making approach to pre-pregnancy counselling
- State-of-the-art technology for assisted reproduction
- Evidence-based obstetric care in CKD
- Superimposed pre-eclampsia in CKD



Renal Pregnancy Symposium

23rd November 2023

at Fetal Medicine Research Institute, 16-20 Windsor Walk, SE5 8BB

Hosted by:

Centre for Nephrology, Urology and Transplantation - *King's College London*

Time		Topic	Speaker
09:00	09:05	Introduction	Kate Bramham - Reader and Honorary Consultant Nephrologist at King's College London Kate Wiles - Consultant Obstetric Physician at Barts Health NHS Trust and physician-lead of the North-East London maternal medicine network
09:05	09:30	Obstetric Medicine for Nephrologists: Key principals	Catherine Nelson-Piercy - Consultant Obstetric Physician at Guy's and St. Thomas'
09:30	09:55	Pre-pregnancy Planning for CKD	Matthew Hall - Lead for the UK Pregnancy and CKD Rare Disease Group, Nottingham University Hospital
09:55	10:20	Assisted Reproductive Technology and CKD	Ippokratis Sarris - Director and Consultant in Reproductive Medicine at King's Fertility
10:20	10:45	IVF considerations for renal disease/hypertension	Charlotte Frise - Consultant Obstetric Physician at Imperial College Healthcare NHS Trust and Lead Obstetric Physician for NW London Maternal Medicine Network
10:45	11:15	Coffee break	
11:15	11:35	Midwifery care for high-risk complex CKD	Katherine Clark - Research and Innovation Lead for Women's Health, Midwife, King's College London
11:35	11:55	Obstetric challenges for women with CKD	Sarah Winfield - Consultant Obstetrician with special interest in Maternal Medicine. Regional Lead Obstetrician for the North East, Yorkshire and the Humber
11:55	12:20	Dialysis and Pregnancy	Philip Webster - Consultant Nephrologist at Imperial College Healthcare NHS Trust
12:20	12:30	Patient Story	
12:30	13:15	Lunch break	
13:15	13:40	Lupus and Pregnancy	Liz Lightstone – Professor of Renal Medicine for the Faculty of Medicine, Imperial College London, and an Honorary Consultant Physician at the Imperial College Healthcare NHS Trust Renal and Transplant Centre in Hammersmith Hospital
13:40	14:10	Pregnancy and the Renal Transplant	Titia Lely - Doctor of Medicine, University Medical Center Utrecht UMC Utrecht · Department of Obstetrics
14:10	14:35	Diabetes and pregnancy	Caroline Ovadia - Clinical Senior Lecturer at King's College London
14:35	15:00	Coffee break	
15:00	15:25	Acute Kidney Injury and Pregnancy	Kate Bramham - Clinical Senior Lecturer and Honorary Consultant Nephrologist, NIHR Advanced Fellowship, KCL Confidential Advisor, King's College London
15:25	15:35	Patient Story	Rachel Lockyer
15:35	16:00	Pre-eclampsia in 2023 - diagnosis and management	Kate Wiles - Consultant Obstetric Physician at Barts Health NHS Trust and physician-lead of the North-East London maternal medicine network
16:00	16:10	Closing remarks and outstanding questions	Kate Bramham - Clinical Senior Lecturer and Honorary Consultant Nephrologist, NIHR Advanced Fellowship, KCL Confidential Advisor, King's College London Kate Wiles - Consultant Obstetric Physician at Barts Health NHS Trust and physician-lead of the North-East London maternal medicine network

Topic	Abstract
Obstetric Medicine for Nephrologists: Key principals	Management of pregnant women with renal disorders - Emphasizes the importance of preconception counselling, optimisation before pregnancy, need for complex care coordination and medical adjustments prior to and during pregnancy.
Pre-pregnancy Planning for CKD	To enhance understanding of the essential aspects of pre-pregnancy planning for CKD patients, including hypertension, immunosuppression, optimal timing of pregnancy and shared decision making, ultimately improving maternal and fetal outcome.
Assisted Reproductive Technology and CKD	Prospective challenges and considerations when utilising ART such as IVF & ICSI for CKD patients who desire to conceive by optimising reproductive outcome while minimising potential risks to maternal health. Latest treatments and outcomes will be presented.
Midwifery care for high-risk complex CKD	Emphasizes the vital role of midwives in the management and support of pregnant individuals with CKD who require specialized care. How to support birthing choices and breastfeeding. The importance of continuity of care is discussed.
Obstetric challenges for women with CKD	Emphasizes the unique considerations and potential complications that arise in this population: including decisions regarding fetal monitoring, discussions around mode and timing delivery for index and future pregnancies in complex women including those on dialysis and with kidney transplants.
Dialysis and Pregnancy	Understanding and awareness of the complexities involved in when to start dialysis during pregnancy and ongoing management supported by new global data.
Lupus and Pregnancy	Importance of understanding the timing of planning pregnancy and impact on pregnancy outcomes associated with SLE including adjustments of immunosuppressive medications, enhanced monitoring and optimisation.
Pregnancy and the Renal Transplant	Understanding unique challenges associated with medication, and preserving long and short term graft function whilst maximising fetal outcomes.
Diabetes and pregnancy	Highlight the increased risk of adverse health outcome, importance of preconception counselling and optimising glycemic control prior to conception, and during pregnancy. Discussion of the long term risk to maternal health and the impact of placental dysfunction leading to progression of renal disease.
Acute Kidney Injury and Pregnancy	Overview of various causes, early recognition and prompt management and implications of AKI during pregnancy and long term outcomes.
Pre-eclampsia in 2023 - diagnosis and management	Advances in understanding of pre-eclampsia including evolving diagnostic criteria, exploring the role of blood pressure monitoring, proteinuria assessment and other relevant biomarkers. Latest management strategies with recent trial and long term neonatal outcome data for individualized care for prevention of adverse outcomes.



Dr Kate Bramham (Organiser)

Reader and Honorary Consultant Nephrologist at King's College London

Dr Kate Bramham is a Consultant Nephrologist at King's College Hospital and Senior Clinical Lecturer at King's College London. She is UK Deputy Lead for Rare Renal Diseases Registry, UK CKD Africa Genetics group lead and the London Kidney Network Health Inequalities scoping committee. She has authored several original manuscripts and book chapters on renal disease, pregnancy and ethnicity. She is leading several clinical studies and trials in the UK and in Zambia and Sierra Leone to improve detection of early kidney disease, using point-of-care

approaches and novel treatments to protect kidney function in people of African ancestry. Kate is passionate about working closely with Black communities to change the trajectory of kidney disease.

Dr Kate Wiles PhD MRCP (organiser)

Royal London Hospital, Barts Health NHS Trust

Kate is as a consultant obstetric physician at Barts Health NHS Trust and physician-lead of the North-East London maternal medicine network. She was lead investigator for a multicentre prospective cohort study examining the implications of CKD for women's health and pregnancy. She has published articles on pre-pregnancy counselling, gestational acute kidney injury, superimposed pre-eclampsia in women with chronic kidney disease, transplantation in pregnancy, glomerular disease in women, thyroid disease in pregnancy, and management of inflammatory bowel disease in pregnancy. She member of both the UK expert consensus group on kidney disease in pregnancy and the international KDIGO international group examining controversies in women's health and kidney disease. She is lead author of the first UK guideline for the management of pregnancy in women with kidney disease. She has authored chapters on obstetric nephrology for the Oxford Textbook of Clinical Medicine, Oxford Textbook of Clinical Nephrology, Comprehensive Clinical Nephrology and Chesley's Hypertension. She is an author of the popular Oxford Handbook of Clinical Medicine.





Professor Catherine Nelson-Piercy

Consultant Obstetric Physician at Guy's and St. Thomas'

Catherine Nelson-Piercy is a Consultant Obstetric Physician at Guy's and St. Thomas' Hospitals Trust and the Lead Obstetric Physician for the South East London Maternal Medicine Network. In 2010 she was awarded the title of Professor of Obstetric Medicine at King's College London. Her undergraduate studies were at King's College, Cambridge University and St Bartholomew's Hospital. She trained as a physician, and was taught Obstetric Medicine by Professor Michael de Swiet.

Professor Nelson-Piercy is past President of the International Society of Obstetric Medicine (ISOM). She was founding co-editor in chief of the journal 'Obstetric Medicine: the medicine of pregnancy.'

Professor Nelson-Piercy has been involved in the development of several evidence-based National Guidelines notably for "Contraception in Women with Heart Disease", BTS / SIGN "Asthma in Pregnancy" and RCOG Green top guidelines on "Reducing the risk of thromboembolism during pregnancy, birth & the puerperium" and 'Management of nausea vomiting of pregnancy and hyperemesis gravidarum". She has over 250 publications and has edited five books and written the successful Handbook of Obstetric Medicine, now in its sixth edition. She is also one of the central physician assessors for the UK Confidential maternal deaths enquiry.

Matt Hall MA MB MD FRCP

Lead for the UK Pregnancy and CKD Rare Disease Group, Nottingham University Hospital

Matt completed medical school in Cambridge before working in the East of England and East Midlands. During specialist renal medicine training in Leicester he undertook his MD on proteinuria in pregnancy and was appointed as a consultant nephrologist in Nottingham in 2010. He has sub-specialist interests in anaemia and renal-genetics, as well as renal obstetrics.

Matt founded the national Pregnancy and Kidney Disease Rare Disease Group with Prof Lightstone in 2012 and acted as lead since 2014. He is a co-author of the UKKA Guidelines on Pregnancy and Kidney Disease, editor of Renal Disease in Pregnancy and multidisciplinary team lead for renal medicine for the East Midlands Maternal Medicine Network.





Dr. Ippokratis Sarris

Director and Consultant in Reproductive Medicine at King's Fertility

A Consultant in Reproductive Medicine and the Director of King's Fertility, an Honorary Senior Clinical Lecturer at King's College London and an Honorary Consultant at King's College Hospital. He is also the HFEA Person Responsible for the unit. As such, he oversees the centre's clinical, research, educational and regulatory activities.

Dr Sarris graduated from Trinity College, Cambridge in 1999 after which he completed his medical degree at Oxford's Magdalen College. Moving to London, he became a member of the Royal

College of Obstetricians and Gynaecologists and joined the Oxford Maternal Perinatal Health Institute as a clinical research Fellow. Through this he was awarded his Doctorate. Dr Sarris was elevated to Fellow of the Royal College of Obstetricians and Gynaecologists at the end of 2021.

Dr Sarris completed his specialty training at several London teaching hospitals and subsequently moved to Newcastle to complete his subspecialty training in reproductive medicine and surgery, leading to his dual accreditation with the General Medical Council. Following this period, he returned to London to work as a fertility consultant.

Dr Sarris has written over two-dozen peer-reviewed academic papers, seven book chapters and two Oxford University Press textbooks in the field of obstetrics and gynaecology. He has tutored and lectured in graduate and postgraduate Medicine and continues to mentor trainee doctors through the King's Fertility research fellowship programme along with acting as a supervisor for MD/PhD degrees at King's College London.

An active member of numerous medical organisations, Ippokratis is a member of the Executive Committee of the British Fertility Society, as well as a member of its Training Subcommittee as Chair of the Pelvic Ultrasound Study Days.

Embracing the ethos of the Fetal Medicine Foundation, Ippokratis joined the organisation to set up and lead King's Fertility. He is passionate about tailoring treatments to meet the unique and specific needs of patients: offering high quality care and a satisfying patient experience.



Charlotte Frise

Consultant Obstetric Physician at Queen Charlotte's and Chelsea Hospital in London, and is Lead Consultant Obstetric Physician for the NW London Maternal Medicine Network.

Dr Frise undertook her pre-clinical training at Emmanuel College, University of Cambridge, where she achieved First class honours and then moved to the University of Oxford for her clinical training. She remained in Oxford as a junior doctor and completed her training in General (Internal) Medicine. She developed a specialist interest in Obstetric Medicine, completing additional training at Queen Charlotte's and Chelsea Hospital. She worked as a consultant in General Medicine and Obstetric

Medicine at the John Radcliffe Hospital in Oxford for 7 years before starting her current post.

Dr Frise has published numerous book chapters and articles, details of which can be found [here](#). She has also authored a series of electronic learning modules for Medical Problems in Pregnancy, and has written the popular textbook *Obstetric Medicine* (in the Oxford Specialist Handbooks of Obstetrics and Gynaecology series), published by Oxford University Press in July 2020 and available [here](#). In January 2023, *Oxford Case Histories in Obstetric Medicine* was published by Oxford University Press. This is available [here](#).

In 2018 she was appointed as co-Editor-in-Chief of the international journal *Obstetric Medicine: the Medicine of Pregnancy*.

Dr Frise is a Senior College Lecturer in Clinical Medicine at Keble College, University of Oxford and offers special study modules in Obstetric Medicine for final year students. She is an enthusiastic teacher of junior doctors taking the clinical part of the membership examinations of the Royal College of Physicians (MRCP PACES) and has had a key role in PACES teaching in Oxford for many years. She is a PACES examiner for the Royal College of Physicians.

Dr Frise is registered as a Data Controller with the Information Commissioner's Office.

Ms. Katherine Clark

Research and Innovation Lead for Women's Health, Midwife

Experienced clinical research leader driven to improve care through evidence-based practice. Experienced Chief Investigator, Principal Investigator and Trial Manager/Coordinator. Midwife with advanced clinical and teaching skills in the management of hypertension and renal disorders of pregnancy as well as diabetes and other medical complications.





Dr. Sarah Winfield

Consultant Obstetrician with special interest in Maternal Medicine. Regional Lead Obstetrician for the North East, Yorkshire and the Humber

I work as a Consultant Obstetrician and am the lead for maternal medicine at the Mid-Yorkshire NHS Foundation Trust in Wakefield. Prior to this, I worked at the Leeds Teaching Hospitals NHS Trust for 10 years.

My special interest is high risk obstetrics and maternal medicine and I work full-time and participate in the consultant on-call rota for obstetrics. As consultants we are truly 'hands on' during our on-call, performing, supervising and teaching

clinical skills to staff and students at all levels. Training can be for practical skills (complex c-sections, Keilland's rotational forceps etc) or take other forms, such as ward rounds, teaching seminars, case-based discussions etc.

As part of my special interest in maternal medicine, I see women and their partners for pre-pregnancy counseling sessions, which allows me and the MDT to 'pave the way' for a safe future pregnancy course. I also see patients for postnatal 'debriefing' after a pregnancy loss or a traumatic delivery.

More recently, in August 2021 I was appointed as the Regional Lead Obstetrician for the North East and Yorkshire and the Humber. As part of the NHSE maternity safety strategy, and in response to the Ockenden report regarding maternity services at the Shrewsbury and Telford Trust, 7 'Chief Obstetricians' have been appointed. There is one for each region and our aim is to work alongside the regional Chief midwives and the rest of the team to support maternity services in our respective regions but also nationally to deliver safe care for women and their families. I am now part of the Ockenden review team for the enquiry into maternity care at Nottingham.

Dr. Philip Webster

Consultant Nephrologist

Dr Webster is a Consultant Nephrologist at Imperial College Healthcare NHS Trust. He trained in hospitals around North London and completed his PhD in immunology and genomics at Imperial College London. He is one of the lead consultants for the Auchie Dialysis Unit at Hammersmith Hospital. Dr Webster has subspecialty clinical and research interest in kidney disease in pregnancy. He is also passionate about medical education and is currently the renal unit training lead.





Prof Liz Lightstone

Professor of Renal Medicine

I am a Prof of Renal Medicine for the Faculty of Medicine, Imperial College London, and an Honorary Consultant Physician at the Imperial College Healthcare NHS Trust Renal and Transplant Centre in Hammersmith Hospital. I am also currently the Faculty of Medicine Consul (Clinical) for the College and Deputy Campus Director Hammersmith White City Campus. My research is focused on improving outcomes for patients with lupus nephritis as well for pregnancy in women with kidney disease.

I gained a first class medical degree at Cambridge University and then my primary medical degree (as runner up to the Gold Medallist in the University of London and Senior Scholar at Kings)

in at Kings College Medical School. During my atraining in general medicine and nephrology I won an MRC Clinical Training Fellowship to undertake my PhD in Immunology, supervised by Prof Av Mitchison, at the ICRF tumour immunology unit at UCL. I then undertook an MRC Clinician Scientist fellowship in the then Department of Immunology at the RPMS, supervised by Prof Robert Lechler. I was appointed as senior lecturer and in 2014 was promoted to full Professor. I am widely known for my expertise in glomerulonephritis, especially lupus and lupus nephritis but also nephrotic syndrome and all forms of glomerular disease as well as the prevention and treatment of chronic kidney disease, with a particular focus on health inequalities. I also specialise in pre-pregnancy counselling and antenatal care for women with kidney disease and have cared for over 1000 women going through pregnancy with kidney disease.

I am an active member of numerous committees and advisory boards, including sitting on the International Society of Nephrology (ISN) Executive Committee and elected Deputy Chair, soon to be Chair, of the ISN Western Europe Regional Board and the Council of Women in Nephrology. I am also Co-chair of the International Advisory Panel, GSK Global GUIDE Program, until recently (and for many years prior) Co-chair of the UKKRC Glomerulonephritis Clinical Study Group, and founding national coordinator and active member of the Renal Disease and Pregnancy Rare Disease Group. I have contributed to guidelines on lupus and lupus nephritis, pregnancy and kidney disease, advised NICE in these areas and am on the Advisory Board of Nature Rev Nephrology. I am global co-chair of the SONG-GD (glomerular disease) steering committee reflecting my enthusiasm for ensuring patient voices are central to priority setting in research.

I am a Trustee of Kidney Research UK and sit on the nominations and governance committee and research strategy committee. KRUK is the largest funder of kidney research in the UK. Alongside my research, I have had major roles in education (most notably in the NW Thames Foundation School as Director of the Academic Foundation programme for many years and Interim Director of the whole Foundation school for 2 years). I have a particular interest in mentoring academic trainees, especially women, and have undertaken this locally and internationally. I also guide clinical decisions for patients with kidney disease across West London, the UK and further afield. During the pandemic I developed additional expertise in the management of severe COVID in patients with and without kidney disease - I co-chaired the Trust's COVID Treatment and Guideline group and am part of an exceptionally productive research programme evaluating immune responses to natural infection with COVID and after COVID vaccination in kidney patients. I have vaccinated 100s of patients and staff during this challenging time.



Dr. Titia Lely

Associate Professor at UMC Utrecht

With the combination of a PhD in Nephrology (UMCG) and Post-doctoral training in preeclampsia field (Harvard), Titia Levy developed a unique translational research line with focus on the kidney during and after hypertensive-complicated pregnancies within Cardiovascular research line of the UMC Utrecht.

Her clinical work as gynaecologist in the Obstetrical department has its focus on Maternal Medicine and especially care for pregnancy in women with kidney disease. As young-PI, she works in close

collaboration with the department of Nephrology, Vascular Medicine and Epidemiology (Julius Center). Furthermore, as a result of her post-doctoral period in Groningen several projects are in close collaboration with the UMCG.

It is her aim to improve patient care during and after pregnancy for cardiovascular and renal patients. With her translational research line mainly focussing on the kidney and vascular bed, she hopes to improve with research from bench to bedside and vice-versa renal and pregnancy outcomes in the long run.

Dr. Caroline Ovadia

Chadburn Clinical Lecturer

Caroline Ovadia is a Chadburn Clinical Lecturer in Women's Health at King's College London, and an Honorary Senior Registrar at Guy's and St Thomas' NHS Foundation Trust. She qualified in Medicine from Oxford University in 2005; following clinical rotations in Oxford and Wales, moved to London in 2010 to undertake an Academic Clinical Fellowship at Imperial College London. In 2014, she commenced an NIHR BRC Clinical Research Fellowship in Translational and Experimental Medicine and King's College London, following which she was awarded Clinical Research Fellowships by Tommy's Charity and the University of Gothenburg, during which time she completed her PhD. This studied the role of ursodeoxycholic acid treatment in cholestatic pregnancy, under the supervision of Professors Catherine Williamson, Lucy Chappell, and Dr Peter Dixon.



Caroline's academic interests are in the maternal and fetal influences of metabolic disorders of pregnancy, particularly concentrating on gut-derived endocrine signals and the prevention of adverse perinatal outcomes, including stillbirth. She has published work in major journals, such as the Lancet, Hepatology and the Journal of Clinical Investigation. Clinically, she is undertaking advanced training in maternal medicine and advanced labour ward practice. She is a co-investigator for clinical trials in cholestatic pregnancy and gestational diabetes. Caroline is a member of the British Maternal Fetal Medicine Society and the Society for Endocrinology.

Caroline believes strongly in engaging the public in medicine and science; as such she is a Key Collaborator on contextualising "The Birth Rites" art collection, has spoken at the "Pint of Science" international science festival, undertakes live social media interactive sessions, regularly speaks at schools and is a medical advisor to the charity ICP Support.

ACCREDITATION

Renal Pregnancy' has been approved by the Federation of the Royal Colleges of Physicians of the United Kingdom for 6 category 1 (external) CPD credit(s).



**Royal College
of Physicians**

<https://www.rcplondon.ac.uk/>

Fellows and Members of the Royal College of Obstetricians and Gynaecologists may claim CPD credits for this event by submitting the attendance certificate.



**Royal College of
Obstetricians &
Gynaecologists**

<https://www.rcog.org.uk/>

ENDORSEMENTS

Renal Pregnancy Symposium has been endorsed and advertised by the following societies.



[Upcoming UK Events - British Transplantation Society \(bts.org.uk\)](https://bts.org.uk)



[Endorsed by ESOT" - https://esot.org](https://esot.org)



"ERA's endorsement is for the promotion of education in general, therefore the specific content of the event/course is the responsibility of the organiser".

<https://www.era-online.org/about-us/networking/endorsements/>
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PARTNERS

The King's Centre for Nephrology, Urology and Transplantation would like to appreciate our partners 'King's College Hospital Charity' and 'Guy's & St Thomas Charity' for supporting us to create a self-sustaining educational arm for Nephrology, Urology & Transplantation education.

King's College Hospital Charity

We are dedicated to supporting life-changing care for patients at King's College Hospital NHS Foundation Trust (King's). We have a small but dedicated team of fundraisers, finance and administrative staff based near King's Denmark Hill campus. The Charity is led by Chief Executive, Gail Scott-Spicer, and governed by a Board of Trustees.



[Donate to King's | King's College Hospital Charity \(supportkings.org.uk\)](https://supportkings.org.uk)

Guy's & St Thomas' Charity &...

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We are the charity that is proud of hundreds of years of looking forward. Of backing dedicated teams across Guy's and St Thomas' NHS Foundation Trust whose commitment to change and challenge is part of their DNA. Caring for patients and families is at the heart of everything they do. And so we're helping them go that bit further, beyond what the NHS can provide.

[Donate today - Guy's & St Thomas' Charity \(gsttcharity.org.uk\)](https://gsttcharity.org.uk)



Arrival

The registration desk will be open from 8:30am onwards at the Lobby. Please follow the signage boards or ask the reception to find the Venue. The badges and the delegates packs can be collected from the desk.



Internet Access

Wi-Fi can be accessed at the venue from 9am-5pm both days. Please search for NHS WiFi network and follow the instructions to get connected.



Certificates of attendance

This course has been accredited for 6 external credits to the Royal College of Physicians (RCP London). Delegates may claim CPD by submitting the attendance certificate which will be available on completion of the online Course evaluation & Feedback form – which will be emailed after the event.



Contact

Please contact Sammani Pavithra at cnuteducation@kcl.ac.uk if you need any help or you have any queries.



Christmas in London really starts in November, when the Christmas lights all start to appear across the city. Most Christmas vents even last until early January.

Christmas in London is a magical and unforgettable experience we would recommend to anyone to do at least once in their lifetime. The city transforms into a sea of Christmas lights and decorations, ice-skating rinks, Christmas markets, and special festive events. During Christmas, you will breathe the festive spirit in every street in London, and you will be able to feel the magic of this season by simply walking around.

[What to see and do in London | plantriplondon.com](https://plantriplondon.com)

From a good old fashion road trip to rewarding and memorable hikes; long days searching for elusive wildlife to uncovering the heartbeat of a city, explore the type of travel we love and write about.

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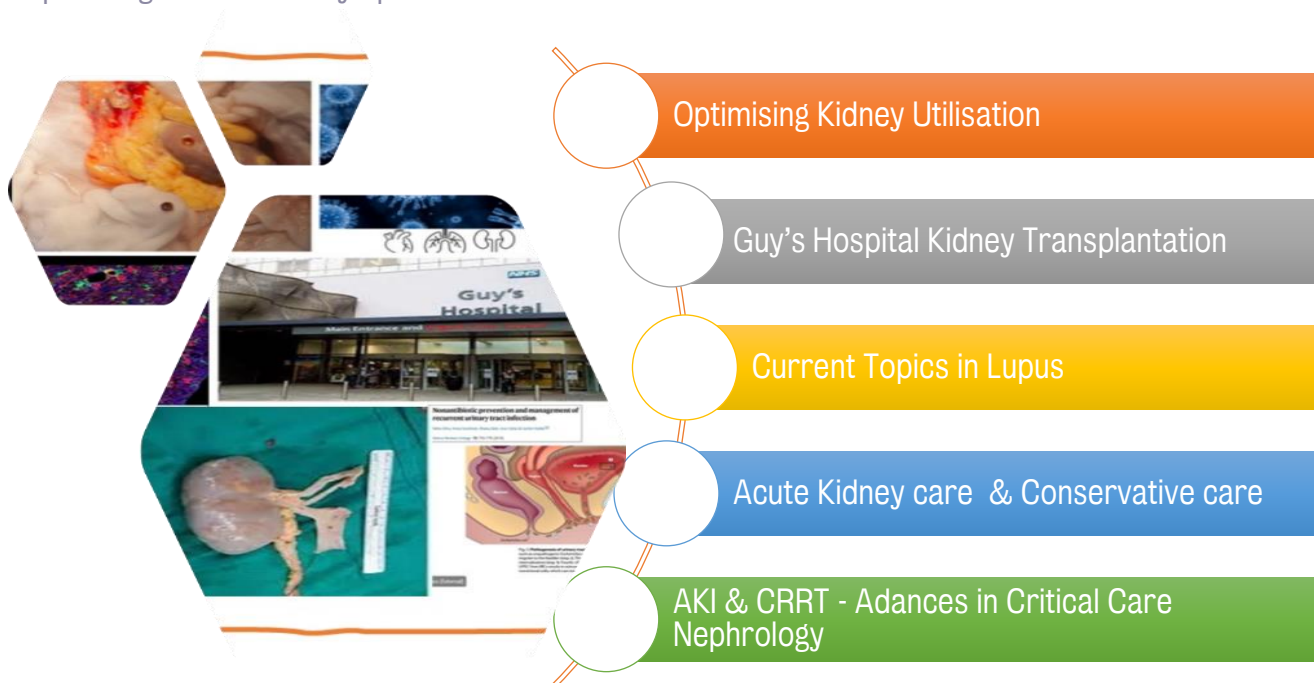
The Centre for Nephrology, Urology and Transplantation within the School of Immunology & Microbial Sciences is the home for academic scholarship in basic and translational research, teaching, education and clinical innovation in diseases of the kidneys and urinary tract and the psychosocial support of patients with these diseases. It brings together research leaders, academics, clinicians and students from several disciplines who have established a productive track record and a collaborative environment with which to advance knowledge and understanding within the field.

By working together and in close collaboration with patients, we aim to advance fundamental knowledge in the field of Kidney and urological diseases, to develop new treatments and to improve the lives of those affected including from underserved communities and with protected characteristics.

Our research covers:

- Acute and Chronic kidney disease from which 1.2 million people die every year and another 1.7 million die from acute kidney injury.
- Transplantation, the 'gold standard' treatment for CKD, but still limited by three fundamental problems: the shortage of organs, the morbidity associated with immunosuppression, and the premature failure of transplanted organs.
- Urological diseases, encompassing a wide spectrum of conditions, ranging from benign to highly malignant, which together present a high disease burden, with some like prostate disease accounting for >£100 million annual NHS spend.

Our upcoming educational Symposia:



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