

Guy's and St Thomas'



NHS Foundation Trust



Visiting Professional Programme: Renal & Transplant Medicine

Introduction

The Guy's and St Thomas' NHS Foundation Trust Renal and Transplant Medicine Visiting Professional Programme is designed to provide international visiting professionals with the opportunity to experience and learn from our highly acclaimed nephrology and transplant service. The programme offers exclusive insight into general and sub-specialised nephrology and one of the biggest transplant programmes in Europe.

Our Visiting Professional Programme is a unique development experience that allows visitors to work and observe alongside our renowned faculty in nephrology with interests in glomerulonephritis and vasculitis, lupus nephritis, tubular pathologies, retroperitoneal fibrosis, home haemodialysis (and many more) as well as access to complex transplantation such as our antibody incompatible transplant programme.

We are dedicated to broadening international professionals' clinical expertise and enabling them to learn new skills that can be transferred back to their work place.

Who should attend?

This programme is intended for non U.K. advanced trainee clinicians, registrars and consultants. This is designed for physicians although exposure to surgical expertise through our close relationship to transplant surgery can be arranged.

Visitors have the choice of applying for a practical attachment or observership programme. Those wishing to apply for a practical attachment must have GMC registration. You can apply for GMC registration directly through the main GMC website (www.gmc-uk.org), alternatively The Royal College of Physicians run a medical training initiative which facilitates GMC registration and provides sponsorship for a Tier 5 visa. You can find out more about their Medical Training Initiative by visiting their website (www.rcplondon.ac.uk/education-practice/advice/medical-training-initiative).

Duration

Our placements normally run between 1 – 3 months. The programme's duration can be tailored to the specific learning requirements of those visiting the Trust.

Format

The renal and transplantation programme is delivered within the hospital workplace and it has been designed by our expert clinical leads to educate visitors in a range of complex cases through including exposure to clinics, cutting edge procedures and technologies, and internal education activities such as research meetings.

The programme allows visitors to be fully integrated within the day to day service of our teams. We will also align visitors with supervisors from within the clinical team who will provide one to one support and aim to ensure that all of the learning and development needs and expectations are met.

Overall aims

The programme is aimed at those who wish to extend their expertise in nephrology and transplantation and who wish to gain an understanding of the way this is practiced and organised within the NHS.

The programme aims to include:

- Direct experience and exposure of ward rounds and clinics. There are several clinics, such as advanced kidney care (low clearance), one-stop chronic kidney disease (CKD), failing transplant, living donor assessments, general nephrology, renal rehabilitation, surgical assessment and post-transplant. Visitors' access to these clinics will vary depending on the duration of their programme and their own learning objectives.
- The opportunity to be involved in our clinical research meetings.
- Opportunities to attend and contribute in our multidisciplinary team meetings (MDM), including general nephrology, living donor, antibody incompatibility, vascular access, biopsy meetings, pancreas transplant and radiology MDMs.
- Regular internal teaching meetings and the possibility for visitors to lead undergraduate teaching sessions
- The chance to observe consultant-led practical procedures such as native and transplant kidney biopsies and tunnelled line insertions.
- Learning experiences of adult complex cases in nephrology and transplantation.
- Insight into one of the biggest transplant programme in Europe and one of the largest teaching hospitals in nephrology in the UK.

Renal and Transplantation Services

Guy's and St Thomas' NHS Foundation Trust's Renal Service is a centre of excellence for the treatment of kidney disease offering a diverse range of clinical services within our hospital sites and outreach services in South East London and Kent. We have been leaders in kidney care since our renal service was established in the 1970's.

We provide treatment at all stages of the patient pathway with our service including a nephrology department, one of the UK's largest haemodialysis programmes, nocturnal home haemodialysis, peritoneal dialysis and satellite dialysis units, and kidney and pancreas transplantation. We are one of only seven places offering pancreas transplantation in the UK.

We are a regional centre for kidney transplantation and a supra-regional centre for kidney and pancreas transplantation and for blood group and HLA incompatible transplantation. We were the first centre in the UK to have living donor transplant programme and we are still home to the largest and most active living kidney donation programme in the UK.

Our expertise in kidney transplantation is recognised worldwide as we operate the largest renal transplant programme in Europe and one of the largest paediatric transplant programmes in the world, we perform 50 paediatric cases per year. We specialise in adult and paediatric complex cases, which we often receive through quaternary referrals, and we are renowned for providing transplants for many patients for whom usually, transplantation would be impossible.

Our cutting edge treatments and technologies are made possible by our faculty's dedication to clinical research. We are allied with the MRC Centre for Transplantation which allows us to undertake research projects and remain at the forefront of clinical research.

Many of our faculty are involved with research programmes, with recent projects including vascular access, rare kidney disease and transplant innovations below.

Specialist clinics

- Glomerular
- Lupus (joint with Lupus unit)
- Vasculitis
- Sickle
- Bardet-Biedel
- RPF
- Polycystic kidney
- Pre-pregnancy
- Tubular/ metabolic stone
- Cystinosis
- Cystinuria
- Post-transplant annual review
- Post-transplant low clearance
- Post-transplant urology
- Post-transplant dermatology

Innovation

Whilst we are rightly proud of our nephrology service, one of the key strengths in innovation and research is in our transplant programme. We have arguably the most comprehensive transplant research programme in the UK. These are driven by surgeons, physicians, basic scientists and other professionals.

Our infrastructure allow us to do this:

- One of 7 Academic Health Sciences Centres in the UK
- One of 6 Biomedical Research Centres in the UK
- World class Clinical Research Facility
- Kings College London incorporated MRC Centre for Transplantation
- Strong Clinical Research Nurse team in nephrology and Transplantation

Examples of our Transplant portfolio:

Outsmart (DSA post-transplant)	NHIC (biomedical infomatics)	Trust (early catheter removal)	One Study cell therapy
Remind (Rituximab to prevent AR)	Gambit (biomarkers of tolerance)	Empirikal (tethered anticomplement for IRI)	Rituxican-C4d (rituximab for CAMR)
CMV prevention studies	Kalibre (biomarkers of rejection)	EVNP for declined kidneys (+ other pump)	Bound (Unspecified Living donors)
WTCCC3 – GWAS for transplant outcomes	POWAR (antibiotics for donors)	Alexion – eculizimab in HLAi	Qualitative experience studies
Basic and applied science research groups: Giovanna Lombardi, Tony Dorling, Graham Lord, Steve Sacks, Wilson Wong			

Examples of our non-transplant Nephrology portfolio:

PAVE trial – paclitaxel assisted balloon angioplasty for venous stenosis	RaDaR – Register of rare kidney diseases	iDiD – interventions for distress in dialysis patients	Basic and applied science research groups: Mike Robson
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Sample Timetable

Day	AM	PM
Week 1		
Monday	Transplant ward round	Ward shadow, personal study
Tuesday	Transplant ward round	Ward shadow, personal study
Wednesday	Transplant ward round	Living donor transplant surgery
Thursday	Transplant ward round	Ward shadow, personal study
Friday	Transplant ward round	
Week 2		
Monday	Antibody incompatible assessment clinic	Advanced kidney care clinic
Tuesday	Glomerular clinic	Nephrology clinic
Wednesday	Transplant clinic	Meetings
Thursday	Living donor transplant surgery	
Friday	Biopsy list	
Week 3		
Monday	Nephrology Ward Round	Ward shadow, personal study
Tuesday	Audit work	Ward shadow, personal study
Wednesday	Audit work	Meetings
Thursday	Audit work	Ward shadow, personal study
Friday	Nephrology Ward Round	Ward shadow, personal study
Bespoke thereafter		

Faculty



Dr Elham (Ellie) Asgari, Consultant Nephrologist

Specialist interests: Transplantation, Polycystic kidney disease, chronic kidney disease and interface with primary care.

Research interests: Role of innate immunity (complement) in ischaemia-reperfusion injury, Long term complications of transplantation.



Dr Cormac Breen, Consultant Nephrologist

Specialist interests: haemodialysis, renal anaemia and clinical IT systems.

Research interests: daily nocturnal home haemodialysis, kidney disease in patients with sickle cell disease and anaemia of kidney disease and haemodialysis.



Dr Heather Brown, Consultant Nephrologist

Specialist interests: glomerular diseases, renal palliative care.

Research interests: immune mechanisms of glomerular disease and improving care in renal patients nearing the end of life.



Dr Paramit Chowdhury, Consultant Nephrologist

Specialist interests: transplantation, haemodialysis, transitional care and pre-pregnancy counselling.

Research interests: biomarkers and immune surveillance following transplantation and complement and innate immunity in renal disease (e.g. aHUS) and transplantation.



Dr Antonia Cronin, Consultant Nephrologist

Specialist interests: renal transplantation, renal palliative care and organ donation and transplantation, ethics and law.

Research interests: skin malignancy and transplantation, ethics around transplantation

**Professor Anthony Dorling, consultant nephrologist**

Specialist interests: optimising transplant survival, chronic rejection of kidney allografts and antibody-incompatible renal transplantation.

Research Interests: transplantation immunology, vascular biology, innate immunity, thrombin; chronic rejection, regenerative repair

**Dr David Game, Consultant Nephrologist and Clinical Lead for Nephrology**

Specialist interests: transplantation and rejection, tubular physiology and metabolic stone disease, cystinosis.

Research interests: transplant immunology, cell therapy in transplantation, treatment of antibody mediated rejection, rare kidney diseases.

**Dr Refik Gökmen, consultant nephrologist**

Specialist interests: Living donor assessment, medical education, using IT effectively in clinical practice

Research interests: T cell biology in transplantation.

**Professor David Goldsmith, Consultant Nephrologist**

Specialist interests: raised blood pressure, chronic kidney disease, heart and blood vessel diseases in kidney patients, diabetes and kidney disease and hyperparathyroidism and calcification.

Research interests: vitamin D and CKD

**Dr Rachel Hilton, consultant nephrologist**

Specialist interests: kidney transplantation, living kidney donation, viral infection after transplantation, kidney disease in patients with human immunodeficiency virus and clinical ethics.

Research interests: kidney transplantation, living kidney donation, viral infection in transplant recipients, kidney disease in patients with HIV and ethical concerns related to transplantation.

Dr Nicola Kumar, consultant nephrologist

Specialist interests: haemodialysis, vascular access, cardiac disease in renal patients

Research interests: cardiac assessments in renal patients

**Professor Graham Lord, professor of medicine and honorary consultant nephrologist**

Specialist interests: genetics of renal transplantation, Aristolochic Acid Nephropathy, Translational research

Research interests: Genetics of renal disease and transplantation, bioinformatics in transplantation, basic T cell biology (eg transcription factors and microRNA) and cell therapy in transplantation and inflammatory bowel disease

Dr Vicki Moxham, consultant nephrologist

Specialist interests: chronic kidney disease, haemodialysis

Research interests: T cell biology in transplantation

**Dr Marlies Ostermann, consultant in nephrology and critical care**

Specialist interests: Acute kidney injury, especially in critically ill patients.

Research interests: Molecular markers in AKI

**Dr James Pattison, consultant nephrologist**

Specialist interests: glomerular disease and renal transplantation.

Research interests: novel treatments for glomerular diseases and new immunosuppressive protocols in renal transplantation to optimise efficacy but minimise toxicity.

**Dr Taryn Pile, consultant nephrologist**

Specialist interests: Acute kidney injury, Lupus and glomerular disease

Research interests: renal anaemia

**Dr Michael Robson, consultant nephrologist**

Specialist interests: systemic lupus erythematosus, anti-neutrophil cytoplasmic antibody vasculitis and glomerulonephritis, lupus nephritis and vasculitis and haemodialysis.

Research interests: glomerulonephritis, disease mechanisms and identifying new possibilities for therapy, vascular access for haemodialysis

**Professor Steve Sacks, Professor of nephrology**

Specialist interests: immune disorders of the kidney and medical ethics and medico-legal matters.

Research interests: biology of inflammation (complement) and kidney disease, particularly the regulation of the adaptive immune response by the innate immune system and translation to biomarker analysis, diagnostic tools and new treatment. Laboratory focuses on transplantation, immune kidney disease and antimicrobial defence.

Dr Wilson Wong, consultant nephrologist

Specialist interests: renal (kidney) transplantation, chronic allograft nephropathy, immunological memory and antigen presentation.

Research interests: natural Killer cells in transplantation, T cell homeostatic proliferation, chronic allograft nephropathy, immunological memory in organ transplantation, interaction between complement and the adaptive immune response, regulatory T cells in transplantation and inter-cellular MHC transfer.

Fees

A course fee per week will be applied. This excludes accommodation and travelling expenses. Participants will be provided with a certificate at the end of their attachment. To find out the fee please contact us by emailing vpp@gstt.nhs.uk.

Registration and enquiries

To register for the Renal and Transplant Medicine Visiting Professional Programme please complete the application form at www.guysandstthomasevents.co.uk and return to:

Education and Events

Guy's and St Thomas' NHS Foundation Trust

Email: vpp@gstt.nhs.uk

Telephone: + 44 (0)20 7188 7188 extension 55865

Guy's and St Thomas' NHS Foundation Trust

Guy's and St Thomas' NHS Foundation Trust is one of the largest Foundation Trusts' in the UK. It consists of St Thomas' Hospital, Evelina London Children's Hospital and Guy's Hospital.

The Trust provides a full range of hospital services, as well as specialist services including cancer, cardiothoracic, women and children's services, kidney care and orthopaedics. Guy's is a major centre for cancer and renal services with the UK's largest kidney donor programme, and is also a leading centre for genetics, stem cell and allergy research and cleft lip and palate. St Thomas' is a leading centre for the treatment of cardiovascular disease, stroke, HIV and dermatology.

The Trust has one of the largest critical care units in the UK and one of the busiest A&E departments in London.

It has an annual turnover of £1.2 billion and employs 13,500 staff.

Last year, the Trust handled over 2 million patient contacts, including:

- 1.07m outpatients
- 85,000 inpatients
- 88,000 day case patients
- 192,000 accident and emergency attendances
- 859,000 in community services
- 6,847 babies delivered

The Trust has 665 beds at St Thomas', 288 at Guy's, 144 at the Evelina London Children's Hospital and 64 in the community.

NHS statistics show that our patient survival rates are nearly 25 per cent better than the national average. This is one of the lowest standardised mortality rates in the NHS and provides an important indication of the quality of care provided by our clinical staff.

In 2013, the Dr Foster Hospital Guide awarded us Trust of the Year for safe care.

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