

CURRICULUM VITAE

Anand Kumar
SAGGAR

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Date of Birth January 9, 1959

Nationality British Citizen

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Qualifications

MRCP (UK)	1986
CCST (Clinical Genetics)	2000
FRCP	2004
MB BS (University of London) St. Bartholomew's Medical College Hospital,	1982

GMC Number 2574251

MDU Number 166883F

Professional Membership

British Society of Human Genetics
Clinical Genetics Society (Honorary General Secretary)
The Genetical Society
American Society of Human Genetics
Renal Association (UK)
International Society of Nephrology
British Hypertension Society
Medical Research Society
European Diabetic Nephropathy Study Group
Society of Apothecaries

Languages English, Swedish, Hindi, Punjabi, limited French and Spanish

PRESENT APPOINTMENT

Sept 2000	to date	CONSULTANT PHYSICIAN AND CLINICAL GENETICIST HONORARY SENIOR LECTURER IN MEDICINE ST GEORGE'S HOSPITAL MEDICAL SCHOOL
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PREVIOUS POSTS

Oct 1996	Jul 2000	SENIOR REGISTRAR IN CLINICAL GENETICS AND HONORARY LECTURER IN MEDICINE ST GEORGE'S HOSPITAL MEDICAL SCHOOL Professor M A Patton, and Drs V A Murday and T Homfray
Oct 1993	Sept 1996	WILLIAMS FELLOW OF THE UNIVERSITY OF LONDON ST GEORGE'S HOSPITAL MEDICAL SCHOOL Professor G A MacGregor
May 1991	Sept 1993	CLINICAL RESEARCH FELLOW (Honorary Registrar) ST GEORGE'S MEDICAL SCHOOL, BLOOD PRESSURE UNIT, Professor G A MacGregor and Dr J B Eastwood
Nov 1990	Mar 1991	REGISTRAR IN GENERAL MEDICINE ST. ANDREW'S HOSPITAL, LONDON Dr C Ainley/Dr D Persoff
April 1988	Sept 1990	RESEARCH FELLOW IN RENAL MEDICINE KAROLINSKA INSTITUTE, STOCKHOLM Professor Jonas Bergström and Professor Anders Alvestrand
Feb 1987	Jan 1988	REGISTRAR TO THE LIVER UNIT KING'S COLLEGE HOSPITAL, LONDON Professor Williams and Dr Westaby
Mar 1986	Feb 1986	REGISTRAR IN GENERAL MEDICINE WITH SPECIAL INTERESTS CHELMSFORD HOSPITALS, ESSEX
<i>Mar 1986</i>	<i>Jan 1987</i>	Drs Galbraith, Weston and Utting Diabetes / Nephrology / Chest
<i>Mar 1985</i>	<i>Feb 1986</i>	Drs. Duffy, Murray and Lees Cardiology / Neurology / Chest
Feb 1984	Jan 1985	NEPHROLOGY AND GENERAL MEDICINE (Registrar/SHO) ST BARTHOLOMEW'S HOSPITAL, LONDON Drs Baker and Cattell
Aug 1983	Jan 1984	ACCIDENT AND EMERGENCY (SHO) ST. BARTHOLOMEW'S HOSPITAL, LONDON Mr Miles
Feb 1983	July 1983	GENERAL AND VASCULAR SURGERY (House Surgeon) HIGHLANDS HOSPITAL, LONDON Mr Farley and Mr Gardham
Nov 1982	Jan 1983	GENERAL MEDICINE GASTRO AND RENAL (House Physician) ST. LEONARD'S HOSPITAL, LONDON Drs Clark and Baker
Aug 1982	Oct 1982	GENERAL MEDICINE AND NEUROLOGY (House Physician) ST. BARTHOLOMEW'S, LONDON Drs Gawler, Hopkins and Clarke

CV SUMMARY

Dr Saggar is a Consultant in the South West Thames Regional Genetics Department at St George's Hospital Medical School and Honorary Senior Lecturer within the Medical School.

He leads a large multidisciplinary team responsible for providing services for a population of approximately 2.7 million across the region. Dr Saggar actively takes part in regional clinics both general adult and paediatric dysmorphology alongside specialist clinics for patients with hypertension, renal diseases, tuberous sclerosis and cancer family histories. One of his major interests is inherited renal disease for which he has an international reputation. He was previously responsible for Thrombophilia, Huntington's and cardiovascular risk profiling clinics.

He is currently Head of Service for the Regional Genetics Department and leads a team of 6 Consultants, 5 Nurse Counsellors, 2 Laboratories and numerous clerical and administrative staff. In this capacity he has taken on a wide range of management and leadership responsibilities including clinical governance, audit, strategic service development and budgetary control.

He is Honorary General Secretary to the Clinical Genetics Society and is also on the Board of the newly established GenePool-National electronic Library of Health. GenePool aims to provide an information service and web port to genetics information and facilitates the incorporation of genetics knowledge into clinical practice. He also sits on numerous other advisory committees.

He trained at St Bartholomew's Medical School, University of London, and qualified MBBS in 1982. He began his career initially in general and renal medicine at St Bartholomew's Hospital, London and then went on to work in several London teaching hospitals and a large district general hospital. He has a broad and comprehensive record of experience in general medicine, namely respiratory, diabetes/endocrinology, cardiology, intensive care, nephrology and neurology completing his MRCP in 1986. He obtained fellowship of the Royal College in 2004.

In 1988 he became a full time academic undertaking research within two centres of international repute. Firstly at the Karolinska Institute, Department of Renal Medicine in Sweden, and later in the Blood Pressure Unit, St George's Hospital Medical School, London UK.

Dr Saggar completed his training in Clinical Genetics through St George's Hospital and Great Ormond Street and was appointed as a Consultant in 2000. His general medical experience is a great asset to his work as a Clinical Geneticist where he sees patients from every aspect of medicine and across all ages, both paediatric and adult. His paediatric and adult medical experience has been further consolidated by 5 years experience as an On-Call GP based at the Royal London Hospital.

Dr Saggar is active in undergraduate and postgraduate education. He is an examiner for MBBS finals and previously an examiner to the United Examining Board. Dr Saggar lectures locally, nationally and internationally. He is actively committed to research and is currently collaborating in 3 major national research projects. He has over 40 publications and continues to publish actively, both peer-reviewed original papers and book chapters. More recently he has co-edited 'Genetics of Renal Disease' for Oxford University Press.

PRESENT POST

I am one of seven consultants in the South West Thames Regional Clinical Genetics department. The post is extremely busy but highly enjoyable. I have good support from my colleagues, laboratory staff and research scientists.

I attend on average 2-3 clinics a week, ranging from local clinics in St George's, to hospitals as far as Worthing and those nearer such as Kingston. In addition to paediatric dysmorphology and adult general genetic clinics, I am responsible for certain specialist clinics in cancer, hypertension, Tuberous Sclerosis and inherited renal diseases. These last two multidisciplinary clinics I set up from scratch and are nationally recognized for excellence in genetics advice and diagnosis evidenced by letters of commendation and national referrals. A recent independent survey by the national patient support group, the TSA, judged the our London clinic to be the best in the country.

I recently established a further new clinic, namely joint radiology/renal genetic/urology, which is unique in the UK and which has improved patient/doctor multidisciplinary liaison.

I also provide cover where required for my consultant colleagues for Huntington's Disease (presymptomatic), Thrombophilia, and Prenatal clinics. Pending the appointment of a Professor of Cancer Genetics, for 18 months I was jointly responsible for managing and delivering the regional cancer service, including the specialized VHL and MEN clinics.

I attend weekly prenatal unit meetings and see fetal pathology of likely genetic cause as it presents in the Department of Pathology and I attend referrals from the wards or the Neonatal Unit. In addition to the clinics described above, I was an acute in-taking consultant for 2 years until taking up the post of leader.

I regularly attend and contribute to the weekly Genetics Unit Journal Club and am an attending member of the British Society of Human Genetics, Clinical Genetics Society and the London Dysmorphology Club. I also contribute to international genetic meetings where possible.

Between 2000-2002, I held led clinical governance during which time I re-designed consent forms, referral protocols for cancer patients, 'failed to attend' policy and patient information leaflets.

I have undertaken several other audits and continue to organise others concerning ovarian and bowel cancer screening. I participate in training attending SpR's and Counsellors.

In 1999 I undertook a 3-month secondment to Great Ormond Street Hospital to consolidate my dysmorphology experience. I also completed the counseling skills course in Manchester, which provided valuable insights and further training.

I have a long-standing interest in ethnic minority health and equity of access. In 2003 I helped design and complete a collaborative, multi-centre pilot survey examining ethnic access to 3 UK genetic centres. I am also actively involved with the London IDEAS Genetics Knowledge Park project in developing a best practice paradigm for the translation and production of genetic fact sheets in numerous community languages.

I am in my 4th year as Honorary General Secretary of the UK Clinical Genetics Society. Together with the President, I have taken the society through a major redevelopment and redefinition to re-establish the Society as a leading authority representing all Clinical Geneticists in the UK. I helped write national advice about Job Planning and am now collaborating with the Vice-President on developing a national common standard for quality assessment.

I have chaired local and national committees clinical and administrative, demonstrated leadership in organizing the first regional 'Surviving as a New Consultant' study day (Sept 2004) and developed forums for discussion, e.g. Young Consultant Group at St George's and chairmanship of the Hospital Physicians Club.

I sit on the New Consultants Committee of the Royal College, revised their member website (2001-2003) to improve accessibility resulting in increased site usage and membership.

I am a founder trustee and medical advisor to the Polycystic Kidney Disease Charity (UK) and also Medical Advisor and former Chair to SPECS, an umbrella organization for local groups and societies for people with impaired vision. I have also acted as Public Relations Advisor (Asian Affairs) to the Blood Pressure Association.

MANAGEMENT EXPERIENCE

From my many and varied professional responsibilities I have developed good organizational skills and learnt to successfully balance competing demands and scarce resources. I have considerable experience of working within inner-city multi-racial populations and I am aware of their differing needs. My knowledge of several languages helps immensely in this understanding and also in communicating with patients from differing racial backgrounds. Recently I attended the Kings Fund Management Course for Clinical Directors.

In February 2002 I become Head of Service and Clinical Lead for the Regional Genetics Department leading a staff of 6 Consultants, 5 Nurse Counsellors, 2 Laboratories and numerous clerical and administrative staff. I have had numerous opportunities to apply my management skills within a rapidly changing and challenging organizational and service environment.

In this role I facilitated the laboratories in their submission for National Accreditation and helped steer a successful submission for White Paper monies. I successfully secured increased resources for genetic counsellors and Nursing staff funding for the Tuberous Sclerosis Clinic. Furthermore Counsellors are now an integral part of our service delivery to patients. The Unit was appointed a Genetic Counsellor Training Centre under my leadership and in collaboration with colleagues, a new Professor of Cancer Genetics was recruited (2003). With her, the department developed a successful bid for Macmillan funds to expand family history cancer services.

TEACHING AND EDUCATION EXPERIENCE

I have experience of teaching medical students, doctors, nurses and postgraduate MRCP and MRCOG candidates in Britain and abroad. To further improve my skills I completed a Teaching skills course for Medical Teachers. I have advisory and editorial experience. Examples include continued assessment of grant applications and peer review of papers for publication.

UNDERGRADUATE TEACHING

At St George's I have tutored many medical students and undertake ward based teaching. I regularly supervise and teach BSc and elective students.

I lecture students, nurses, local GP's and the lay public at community level. I also have experience of lecturing overseas including The United States, China, Jamaica, Sweden and throughout Continental Europe. Through my teaching experience and commitments I have developed a wide range of quality training materials and resources including a large medical slide collection.

POSTGRADUATE TEACHING

Between 1995 and 1997 I was the St George's Hospital Medical Tutor to the United Examining Board (UEB). This is an equivalent clinical and written exam to final MBBS for foreign qualified graduates. I helped develop the teaching curriculum and supervised, tutored and taught 6 foreign graduate students weekly. I organized both the mock and actual UEB examinations and later became a formal examiner for the Society of Apothecaries of London (UEB examinations 1999-2001). Currently I am MBBS examiner.

In February 1997 I took over the role of organizing a weekly lecture programme entitled Genetics in Medicine. It is self-funding and has proved a great success attracting international speakers and CME approval. This is now being taken over by the Birth Defects Association.

In 1997 I conceived and organized the first Combined Specialty Training Day for Pan-Thames Registrar Genetics trainees, a format later adopted across London centres. I continued to organize the St George's days until 2000.

I continue to teach postgraduates including MRCOG (Part 1) and lecture internationally and to lay patient organizations to support development of good practice in service delivery of community genetics. Invited lectures include those given to the Royal Society (2003), Genetic Interest Group (2004), Workshop on Community Genetics, China, (2004) and many Patient Support Groups over the last 3 years.

I recently co-edited 'The Genetics of Renal Disease'. I am now preparing for publication a genetic slide atlas and the Oxford Handbook of Clinical Genetics.

I have arranged numerous academic study days, the latest of which was an internationally Workshop on Consanguinity and Endogamy which have helped to develop and support community genetics in less developed countries through collaborative teaching, educational support and research. More recently co-organized the first UK PKD Patient Education Study Day in Cambridge in Sept 2004.

ADVISORY COMMITTEES

SAC-I am a member of the Specialist Advisory Committee, representing the CGS, part of my role in this post is to inspect other genetic centres for training suitability on behalf of the Royal College.

Gene Pool-I am a member of the Board of the newly established Department of Health National Library of Health for Genetics (GenePool) advising on Web-based delivery of educational information to the public and genetic and non-genetic trained medical professionals.

IDEAS Knowledge Park-I am on the steering group of the London Knowledge Park helping to develop translated documents for patients and health professional translators.

Genetics advisory group- I am a member of the genetics advisory group trying to co-ordinate the data set and methodology required to examine process and quality in clinical genetics centers in the South East of England and London.

Charities-Having set up the national Polycystic Kidney Disease Charity, I write patient newsletters also a nationally used patient information booklet about polycystic disease, now translated into several languages and adopted by the British Kidney Patient Association and other hospitals within the UK and Japan.

I am also Medical Advisor to a national charity, SPECS, supporting patients with visual impairment.

MEDICAL EXPERIENCE

I have worked in several London Teaching Hospitals and a large district general hospital. I have a broad and comprehensive record of experience in general medicine, intensive care, nephrology and neurology, always working as part of a multi-disciplinary team. I have also done several years of work as an Inner London GP in the East End of London. This varied experience has been of great value to me in my work as a clinical geneticist and as a manager.

Within my research post and later my William's Fellowship I maintained and developed my clinical skills by working on the medical and intensive care rotas.

At King's College Hospital I acquired experience in all aspects of liver failure including transplantation, hepato-renal failure and renal dialysis. Along with the regular work of conducting an outpatient clinic I always participated in the joint paediatric hepatology ward rounds and attended the weekly paediatric clinical case conferences.

Chelmsford is a busy district general hospital where I was responsible for all medical admissions to the Chelmsford Hospitals. I gained extensive experience in general medicine and more specialist registrar training in respiratory medicine, diabetes/endocrinology, cardiology, neurology and nephrology.

At St Bartholomew's I gained experience in all aspects of acute and chronic renal medicine including acute/chronic haemodialysis, continuous ambulatory peritoneal dialysis and transplantation.

In the house officer post of general medicine and neurology I was involved with the diagnosis of a wide range of neurological admissions and referrals from regional hospitals.

ACADEMIC EXPERIENCE

I have worked in two internationally renowned units for research into hypertension and renal medicine. My scholarship award allowed me the opportunity to consolidate my research, while developing other new areas of interest. My research examines genotype and phenotype correlation in dominant polycystic kidney disease.

Over the last 14 years I have established a programme of research to study Autosomal Dominant Polycystic Kidney Disease (APKD). As part of this work I have designed and implemented several protocols and also completed various studies. These projects examine the natural history of polycystic kidney disease; factors affecting progression; pitfalls and practice in early diagnosis; the role of the renin angiotensin system in the hypertension of APKD; mechanisms and risks of unexplained left ventricular hypertrophy, and renal sodium handling. This work has, through peer-reviewed publication and lectures led to improved differential diagnosis of cystic conditions; better recognition and understanding of complications; and improvements in the clinical management of hypertension and cerebral aneurysms.

My thesis examines the clinical and genetic aspects APKD including progression and the associated cardiovascular risk. Collection of follow-up progression data has now closed and is being analyzed. In building up a large information database of such patients I am regularly involved in counseling patients and their families including children. I have set up several collaborative projects, some of which are international. Examples of these include British Council supported work, on renal sodium handling with Professor Soares-da-Silva of Oporto University; genetic studies with Dr Peter Harris, (Mayo Clinic/MRC) and Dr Horie at the University of Tokyo-supported by the Japanese Government and APKD polycystin-antibody work with Professor Price at King's College Hospital. In the past I have set up studies with the Department of Child Health at St George's examining potential growth factors in APKD. For this work I set up a cell culture laboratory system using endothelial cells.

I have also led other research projects relating to the renal calcium 'leak' of 'idiopathic hypercalciuria and insulin sensitivity in non-insulin dependent diabetes mellitus

In 1988 I was offered the opportunity to work abroad at the Karolinska Institute, Sweden, with Professor Bergström. I undertook two major research initiatives. The first dealt with the role of intrarenal dopamine as a natriuretic hormone. The second project involved setting up a laboratory bench method to measure red cell sodium-lithium countertransport. This was done with help from Professor Viberti at Guy's Hospital. These projects are connected through their links with hypertension and nephropathy. I examined the predictive value of red cell countertransport and renal

dopamine production as markers of early nephropathy in IgA nephritis, diabetes and chronic renal failure.

FUNDING

I have been successful at raising funding both in England and abroad and secured competitive funding from commissioners, charities and Industry, which supported my post as William's Fellow of the University of London, my academic work and related activities. I have also raised funds for other activities including, international collaborations (British Council, University of Tokyo, Wellcome Foundation, Pasteur Institute), international exchange visits (PKD-European Consortium), attending foreign lectures (Rhodes Travel Fellowship) and publication of the APKD Patient Information Booklet (British Kidney Patient Association and Pfizer UK Ltd).

I have also raised over £50,000 for the two charities, Polycystic Kidney Disease and SPECS.

EXTRACURRICULAR ACTIVITIES

Through the Arts for All committee I have significantly improved the working environment for staff and patients through artwork and organized placements for Artists in Residence.

I have a long-standing interest in Art and Medicine and have been successfully undertaking several collaborative works with various artists. One exhibition was "The Invisible Body" exhibition in 2000, shown in central London. I continue to collaborate on joint work with several artists. This year I have been successful in obtaining a collaborative award funded by the Wellcome Trust for the "Skin Deep" project, which is a digital music and dance production devised and created by young people, working with artists and scientists. The show premiered at Sadler's Wells Lillian Baylis theatre in Spring 2004. It will now tour locally and nationally. Skin Deep aims to develop understanding of and promote dialogue and debate about the science of genetics and its impact on society. The project explored Genetic Science and 'what it enables us to discover about ourselves, our genes and the impact that such knowledge has on our lives and choices'. The project involved groups of young people aged 14 to 20 years in Islington – young parents, expectant mothers, deaf and disabled groups and groups who would not usually have access to arts or science activities. The work was so successful that the Wellcome has now commissioned a film about the project.

I have considerable experience of dealing with the media, both TV and radio and more recently was a finalist in the BBC 'New Talent TV Expert Presenter' awards for 2003.

PUBLICATIONS

PAPERS

- 1 Whittcock NV, Izatt L, Mann A, Homfray T, Bennett C, Mansour S, Hurst J, Fryer A, **Saggar A**, Barwell JG, Ellard S, Clayton PT. Novel mutations in X-linked dominant chondrodysplasia punctata (CDPX2). The Soc for Investig Derm. 2003, October, 121 (4) 939 – 942..
- 2 Rossetti S, Chauveau D, Kubly V, Slezak JM, **Saggar-Malik AK**, Pei Y, Ong AC, Stewart F, Watson ML, Bergstralh EJ, Winearls, CG, Torres VE, Harris PC. Association of mutation position in polycystic kidney disease 1 (PKD1) gene and development of a vascular phenotype. Lancet 2003 June; 361 (9376) 2196-201.
- 3 Dong YB, Plange-Rhule J Owusu I, Micah F, Eastwood JB, Carter ND, **Saggar-Malik AK**, Cappuccio FP, Jeffery S. T594M mutation of the beta subunit of the epithelial sodium channel in Ghanaian populations from Kumasi and London and a possible association with hypertension. Genet Test. 2002 Spring; 6(1):63-65.
- 4 Rossetti S, Chauveau D, Walker D **Saggar-Malik AK**, Winearls CG, Torres VE, Harris PC. A complete mutation screen of the ADPKD genes by DHPLC. Kidney Int. 2002 May;61(5):1588-1599.
- 5 Afzal AR, Florencio RN, Taylor R, Patton MA, **Saggar-Malik AK**, Jeffery S. Novel mutations in the duplicated region of the polycystic kidney disease 1 (PKD1) gene provides supporting evidence for gene conversion. Genet Test. 2000;4(4):365-370.
- 6 **Saggar-Malik AK**, Afzal AR, Swissman JS, Bland M, Sagnella GA, Eastwood JB, MacGregor GA, Jeffery S. Lack of association of ACE/angiotensinogen genotype with renal function in autosomal dominant polycystic kidney disease. Genet Test. 2000; 4(3):299-303.
- 7 Hateboer N, Torra R, Estivill E, Bogdanova N, Davies F, Lazarou L, v Dijk M, Breuning M, **Saggar-Malik A**, Jeffery S, San Millan J L, Martinez I, Walker R, Holmans P, Ravine D. Location of mutations within the PKD2 gene influences outcome. Kidney International, 2000. 57, 1444-1451
- 8 Jeffery S Crosby A Plange-Rhule, J., Amoah-Danquah J., Acheampong JW., Eastwood J., **Saggar-Malik AK**. Evidence from a Ghanaian population of known African descent to support the proposition that haemochromatosis is a Caucasian disorder. Genetic testing 1999 3,375-378
- 9 Jeffery S., **Saggar-Malik AK.**, Crosby A., Bland M., Eastwood J., Amoah-Danquah J., Acheampong JW., Plange-Rhule, J. A dominant relationship between the ACE-D allele and serum ACE levels in a Ghanaian population J.Med Genet 1999. 36 869-870.
- 10 Afzal. A. R., Hand, M., Ternes-Pereira, E., **Saggar-Malik, AK.**, Taylor, R., Jeffery, S. Novel Mutations in the 3' region of the polycystic kidney disease 1 (PKD1) gene. Human Mutation. 1999. 105, 648-653.
- 11 Plange-Rhule, J, Phillips, R, Acheampong, JW, **Saggar-Malik, AK**, Eastwood. J, Cappuccio, FP. Hypertension and renal failure in Kumasi, Ghana. 1999. J Human Hypertension, 13, 37-40
- 12 Hateboer, N, v Dijk M, Bogdanova N, Coto E, Jeffery S, **Saggar-Malik AK**, San Milan J L, Torra R, Breuning M, Holmans P, Ravine D. Polycystic Kidney Disease types 1 and 2:a comparison of phenotypes. Lancet 9 January 1999
- 13 Jeffery S, Economides DL., **Saggar-Malik AK**, MacDermott KD, Apparent normalisation of fetal renal size in autosomal dominant polycystic kidney disease. Clinical Genetics 1998. 53,303-307.
- 14 Sagnella, GA, **Saggar-Malik, AK**, Buckley, MG, Markandu, ND, Eastwood, JB, MacGregor, GA. Association between atrial natriuretic peptide and cyclic GMP in hypertension and in chronic renal failure. Clinica Chemica Acta 275, 9-18, 1998
- 15 MacDermott KD, **Saggar-Malik AK**, Economides DL, Jeffery S. Prenatal diagnosis for autosomal dominant polycystic kidney disease (PKD1) presenting in utero and prognosis for very early onset disease J Med Genet 35 1 13-16, 1998
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- 17 **Saggar-Malik AK**, Markandu, ND, MacGregor, GA, Cappuccio FP. Case report: Moderate salt restriction for the management of hypertension and hypercalciuria. J Human Hypertens 10, 811-813. 1996
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- 19 **Saggar-Malik AK** and Patton, M. A. Original contributions by medical students. BMJ 1997
- 20 Buckley MG, **Saggar-Malik AK**, Markandu ND, Sagnella GA, MacGregor GA. Effects of changes in dietary sodium intake on plasma brain natriuretic peptide levels in patients with autosomal dominant polycystic kidney disease. J Hum Hyperten, 10, 1996
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- 26 **Saggar-Malik AK**, Jeffery, S. and Patton, M. A. Autosomal dominant polycystic kidney disease. (Editorial) British Medical Journal, 308: 1183-1184, 1994.
- 27 **Saggar-Malik AK**, Missouri, C. G., Gill, J. S., Singer, D. R. J., Markandu, N. D. and MacGregor, G. A. Left ventricular mass in normotensive subjects with autosomal dominant polycystic kidney disease. British Medical Journal 1994 309: 1617-1618.

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- 29 Stenvinkel P, **Saggar-Malik A.K.** Alvestrand A. Renal haemodynamics and tubular sodium handling following volume expansion with sodium chloride (NaCl) and glucose in healthy humans. *Scand J Lab Invest* 52: 837-846, 1992
- 30 Stenvinkel P, **Saggar-Malik AK**, Wahrenberg H, Diczfalussy U, Bolinder J, Alvestrand A Impaired intrarenal dopamine production following intravenous sodium chloride infusion in insulin-dependent (Type 1) diabetes mellitus. *Diabetologia*, 34, 114-118, 1991
- 31 Cundy TF Butler J, Pope RM, **Saggar-Malik AK**, Wheeler MJ, Williams R Amenorrhoea in Women with Non alcoholic Chronic Liver Disease. *Gut* 32, 2 p 202-206. 1991

BOOK CHAPTERS

- 1 **Saggar Malik AK**, Somlo S. Autosomal dominant polycystic kidney disease. In: *The Genetics of Renal Disease*. Eds. Flinter F, Maher E, Saggar-Malik AK. Oxford University Press, Oxford.2003.
- 2 **Saggar Malik AK**. Cystic kidney disease. In: *The Genetics of Renal Disease*. Eds. Flinter F, Maher E, Saggar-Malik AK. Oxford University Press, Oxford. 2003.
- 3 **Saggar Malik AK**. Gene therapy in renal disease. In: *The Genetics of Renal Disease*. Eds. Flinter F, Maher E, Saggar-Malik AK. Oxford University Press, Oxford. 2003.
- 4 **Saggar-Malik AK** and Jeffery S. Gene structure and regulation and laboratory techniques. In *Inherited disorders of the kidney*, Ed Morgan SA and Gruenfeld JP. Oxford University Press, Oxford. 1998
- 5 **Saggar-Malik AK**, Pettitt K. Autosomal dominant polycystic kidney disease: An information booklet for patients and their families. St George's Medical School, London. 1996
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- 7 **Saggar-Malik, AK**, Cappuccio, FP. Potassium supplements and potassium-sparing diuretics. A review and guide to appropriate use. *Drugs*, 46, (6), 986-1008 1993

EDITED BOOKS

- 1 Flinter F, Maher E, **Saggar-Malik AK**. *The Genetics of Renal Disease*, Oxford monographs on medical genetics, 48. Oxford University Press, Oxford.2003.

ABSTRACTS

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- 2 Maclean, C., Yates, JRW., Bolton, PF. and the **Tuberous Sclerosis 2000 Study Group**. Tuberous Sclerosis 2000 Study, TSC International Conference, Cambridge, Sept 2004
- 3 Attard, G., Peterson, M., Kingswood, C., **Saggar, AK**. And Elmslie, F. An Audit of the London Tuberous Sclerosis Clinic. TSC International Conference, Cambridge, Sept 2004