

CURRICULUM VITAE

OF

KEITH ROLLES M.A., M.S., F.R.C.S.

CONSULTANT SURGEON AND SENIOR LECTURER

**THE ROYAL FREE HOSPITAL NHS TRUST
AND THE ROYAL FREE AND UNIVERSITY COLLEGE MEDICAL
SCHOOL**

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CURRICULUM VITAE

NAME : KEITH ROLLES
DATE OF BIRTH : 25 October 1947
MARITAL STATUS : Married
CHILDREN : Two
PLACE OF BIRTH : Merthyr Tydfil, Glamorgan
NATIONALITY : Welsh

EDUCATION

University - The London Hospital Medical College (University of London)

QUALIFICATIONS

1969 - Hons. B.Sc. (Anatomy)
1972 - M.B., B.S.
1976 - F.R.C.S. (Eng)
1982 - M.A. Cantab
1985 - M.S. University of London

PRESENT APPOINTMENT

From October 1988 **Consultant Surgeon and Lead Clinician of the Liver Transplant Unit** at the Royal Free Hospital, Hampstead, London, NW3 2QG.

PREVIOUS APPOINTMENTS

December 1972 - June 1973	House Surgeon, Neurosurgical Department, The London Hospital
July 1973 - January 1974	House Physician, Gastroenterology Department, The London Hospital
January 1974 - July 1974	Senior House Officer, Accident and Emergency Department, The London Hospital
July 1974 - December 1974	Senior House Officer, Cardiothoracic Unit, The London Hospital
December 1974 - June 1975	Senior House Officer, Urology and Transplantation Department, The Hammersmith Hospital
June 1975 - November 1977	Registrar in General Surgery and Orthopaedics Basildon Hospital, Essex
December 1977 - January 1979 Cambridge	Wellcome Research Fellow , Department of Surgery, University of Cambridge
January 1979 - December 1983 of Cambridge	Clinical Lecturer in Surgery and Honorary Senior Registrar , Department of Surgery, University of Cambridge
January 1984 - September 1988	University Lecturer in Surgery and Honorary Consultant Surgeon , Addenbrooke's Hospital, Cambridge

December 1977 – January 1979

As a **Wellcome Trust Research Fellow**, I joined Professor Sir Roy Calne's department at Addenbrookes Hospital.

The Animal Laboratory

My arrival in the Department was just preceded by that of Cyclosporin A, a new immunosuppressant. An enormous volume of animal experimentation was launched to assess this compound. I was fortunately presented with an opportunity to acquire a variety of new skills in animal surgery, and also found myself included in a growing number of important publications. Several of these publications were to deeply influence the subsequent direction of transplantation research and clinical outcomes for transplant patients. The first patients ever to be treated with Cyclosporin A were treated by our team at this time.

Clinical Work

This year also provided me with the time and opportunity to practice vascular access surgery and join in the kidney transplant rota. Since that time I have retrieved several hundred kidneys for transplantation and have transplanted approximately 350.

January 1979 - December 1983

On appointment as **Clinical Lecturer and Senior Registrar in Surgery**, I embarked upon a Higher Surgical Training Scheme, which gave me full accreditation in General Surgery in January 1982.

January 1984 – September 1988

Appointed **University Lecturer and Honorary Consultant Surgeon**, Addenbrookes Hospital, Cambridge.

CLINICAL

In addition to the general surgery service, the University Department of Surgery supported an active and large clinical organ transplantation programme of kidney transplants, liver transplants, and pancreas transplants. With my senior colleague, Professor Sir Roy Calne, I shared responsibility for this programme. One milestone worthy of mention is that I performed my first human liver transplant in May 1982 under the supervision of Professor Calne.

From early 1981 until mid 1984, 95% of liver retrieval operations for transplantation were performed by me.

In 1984, Prof Calne and I began the first paediatric liver transplant programme in Europe. My long term association with this programme has given me surgical experience, which is available only in a very few centres in the world.

On leaving this appointment, I had accumulated a personal series of over 150 liver transplants, more than 350 kidney transplants and countless donor harvesting procedures of liver, kidney and pancreas grafts for transplantation.

TEACHING

Besides the clinical workload, as an academic surgeon I honoured regular teaching commitments to **undergraduate clinical students and post-graduate surgical aspirants**, and organised the Saturday morning **Surgical Grand Rounds**. I supervised **pre-clinical medical students** at Trinity Hall in Anatomy regularly. On behalf of the Department, I

frequently lectured to other **Institutions and Societies** on topics related to the work in Cambridge.

RESEARCH

The Animal Laboratory

In 1980 I began an experimental renal preservation project in conjunction with the M.R.C. Cryobiology Unit. This work, using the dog renal autograft model, constituted the basis of my **MS thesis**. This degree was granted by the University of London in 1985. The title was “The role of oxygen in the preservation of ischaemically damaged kidneys”. The principle method investigated in this work involved hypothermic preservation by means of gaseous oxygen delivered “in vitro” through the renal vein and known as **Retrograde Oxygen Persufflation..**

The technique developed by this work was so successful at resuscitating ischaemically injured kidneys that a pilot clinical study was undertaken using Non-Heartbeating Donors. This was also successful and was published in “Transplantation” in 1989.

Later animal based projects included evaluation of the Cyclosporin analogues **Cyclosporin D** and **Cyclosporin G**, and a new Japanese produced molecule known as “**FK506**” which was subsequently marketed as Tacrolimus.

Clinical studies

I played a major role with colleagues in numerous studies on the efficacy of **Cyclosporin A** in patients receiving liver grafts, kidney grafts, and pancreas grafts used both as a single agent and in combination with other immunosuppressants

I also took part in studies to assess the novel and powerful monoclonal antibodies **Campath 1** and **Campath 6** in organ graft recipients in collaboration with Prof. C. Milstein and Prof H Waldemann

My eleven years in Cambridge produced a large number of key publications based on both the clinical data accumulating from the transplantation and general surgical practice and from experimental surgery performed in the animal laboratory.

October 1988 - present

Consultant Surgeon and Lead Clinician of the Liver Transplant Unit at the Royal Free Hospital.

Liver Transplantation

During my fourteen years in this post, I have, with the support of colleagues, established a **Supraregionally funded and designated Liver Transplant Programme**, currently performing about 65 transplants per year. It is one of six Nationally funded Programmes. The gradual build up of this Programme has required a substantial input of time and effort over and above the duties of a full time general surgeon. The development of an appropriate infrastructure is continuing.

At the beginning of the Programme I was committed to a “one in one” rota for the first three and a half years performing the first 100 transplants and most of the donor retrieval procedures myself.

The Liver Transplant Programme attracts approximately £3 million per year in funding to the Royal Free Hospital NHS Trust.

Training and Teaching

- I have trained more than 40 surgeons in the techniques of **liver transplantation** and **multiple organ retrieval** including my consultant colleague Prof. B.R. Davidson.

I organise and supervise a “multi-organ retrieval team” which is available 24 hours a day, 7 days a week for organ retrieval in the North Thames and Oxford regions. More than 50% of kidneys retrieved for transplantation in North Thames are retrieved by this team.

In General Surgery, I train a minimum of five surgeons each year the techniques of hepatic resection, biliary reconstruction, thyroid and parathyroid surgery, laparoscopic surgery, and vascular access procedures.

Other Teaching Commitments include: Undergraduate medical students on ward rounds, clinics, and in the operating theatre—3 sessions weekly.

Formal undergraduate lectures—4-5 per year.

Postgraduate student lectures and seminars—4-5 p.a.

Royal College of Surgeons Annual Organ Retrieval Course (since 1996).

Invited Lectures—see separate section.

Academic and Research

During the tenure of this post, I have more than doubled my number of “peer reviewed” publications and book chapters.

Research links have been established within the Department of Surgery with Dr B. Fuller, Reader in Surgery, developing a wide range of projects both laboratory and clinically based such as :

- The use of N acetylcysteine (NAC) in the liver transplant donor to improve preservation and early post transplant graft function.
- The use of MRI to assess the phosphorus spectrum of human liver grafts during hypothermic preservation prior to transplantation.
- The expression of adhesion molecules in the human liver graft before, during, and after hypothermic preservation and their correlation with early post transplant events.
- The use of modified University of Wisconsin solutions in human liver transplantation.

Similar links with Dr. A Sefalian, Senior Lecturer in Surgery, have resulted in collaboration on:

- The use of Near Infra-Red Spectroscopy to assess blood flow changes in the liver graft before and after preservation and following various pharmaceutical interventions.

I was a major instigator of the Dept. of Health funded project on Cost Effectiveness of Liver Transplantation conducted by the University of Brunel in collaboration with The Royal Free Liver Transplant Programme, (Report published 2001)

I have taken a leading role in the establishment of the Royal College of Surgeons National Liver transplant Audit (see later).

I was a major instigator in the design of the first British Multicentre Liver Transplant Study comparing post transplant outcomes of patients treated with either Cyclosporin (Neoral) or FK506 (Tacrolimus) –The “TMC” study is the largest and most conclusive study on this subject. (published 2002).

Other research interests past and present are summarised later.

MEMBERSHIP OF SOCIETIES

British Medical Association

The Transplantation Society

The European Society for Organ Transplantation

The European Liver Transplant Association

British Transplantation Society

British Association for Study of the Liver

Association of Surgeons of Great Britain and Ireland

COMMITTEES--National and International

Committee member of the European Liver Transplant Registry (1987-1993)

Royal College of Physicians Working Party on Medical Aspects of Specialised Liver Services Chair - Dame M Turner-Warwick (1991-1992)

Steering Committee for European Liver Transplant Association (1992-1993)

Royal College of Surgeons Working Party on Multi-Organ Retrieval Teams in Transplantation - Chair - Sir Terence English (1992-1993)

U.K.T.S.S.A. Computing, Information and Biostatistics Group (1993-1994)

Royal College of Physicians Working Party for the Review of Criteria for Brain Stem Death Chair - Sir Douglas Black (1993-1994)

British Transplantation Society Working Party on Laboratory Tests in Transplantation Chair - Dr P H Dyer (1994)

British Transplantation Society Working Party on Organ Donation Chair - Professor J Fabre (1994-1995)

British Transplantation Society Transplant Training Committee (1997 –2000)

Royal College of Surgeons Clinical Audit and Quality Assurance Committee Chair - Mr H B Devlin (1994 –1997)

Committee Member and Honorary Treasurer of European Liver Transplant Association (1995 –2000)

Royal College of Physicians Working Party to revise Department of Health publication “Cadaver Organs for Transplantation : Code of Practice including the Diagnosis of Brain Stem Death” - Chair - Sir Douglas Black (1995 –1996)

U.K.T.S.S.A. Zonal Multi-organ Retrieval Audit Group (1993 –1994)

Liver Advisory Group to Royal College of Surgeons of England (1991 – 2001)

Liver Advisory Group to United Kingdom Transplant Support Services Authority (U.K.T.S.S.A.) (1991 – ongoing)

Project Leader of Royal College of Surgeons National Liver Transplant Audit and Chairman of the Audit Steering Group (1993 – 2000)

COMMITTEES--Trust and Region

Chairman, Transplantation Specialty Group, The Royal Free Hospital NHS Trust (1999--2000)

Clinical Head of Service, Transplantation Services Specialty Group, The Royal Free Hospital NHS Trust (2000--2003)

Member, Clinical Advisory Board, The Royal Free Hospital NHS Trust (2000--2003)

Member, Lawn Road Divisional Management Group, The Royal Free NHS Trust (2000--2003)

Member, Critical Care Development Group, The Royal Free NHS Trust (2000--)

Member, Blood Transfusion Committee, The Royal Free Hospital NHS Trust (1997--)

Member, Surgical Services Group, The Royal Free Hospital NHS Trust (2000--)

Member, North Thames Organ Retrieval Committee (1988--)

Royal College of Surgeons National Liver Transplant Audit

- Project Leader 1992-1999
- Designed audit questionnaire
- Secured Department of Health funding for first five years
- Set up Project Team consisting of Clinical Research Fellow, Statistician and myself. Met 2 to 3 weekly.
- Set up and Chaired Steering Group comprising representatives of all Liver Transplant units and Project Team. Met six monthly to discuss data handling and analyses.
- Submitted regular reports to National Specialist Commissioning Advisory Group (NSCAG).

RESEARCH INTERESTS (Past and Present)

1. Development and Use of Non-specific Immunosuppressive Therapy

I was fortunate to be able to contribute to and collaborate in the development and use of the powerful, non-steroidal immunosuppressant, Cyclosporin A between 1977 and 1988 at the University Department of Surgery, Addenbrooke's Hospital, Cambridge. I am a co-author in the very earliest experimental and clinical papers published on this topic.

This body of work changed the future of transplantation. Cyclosporin very significantly improved clinical outcomes for kidney and liver transplant recipients and led to a resurgence of interest in heart, lung, pancreas and intestinal transplantation, where previously outcomes had been so poor, few clinicians considered them appropriate.

During the mid 1980s, I was involved in clinical studies of novel monoclonal antibodies (Campath I, II, III and VI) produced by Professor H Waldemann on the Addenbrooke's Campus. Over the same period I worked briefly with another Cyclosporin analogue, Cyclosporin G, both clinically and experimentally.

2. Development and Evaluation of Clinical Pancreas Transplantation

Following the introduction of Cyclosporin A, a non-diabetogenic immunosuppressant, I became heavily involved in the evaluation of pancreas transplantation for the amelioration of the secondary complications of diabetes mellitus in man. The key areas of research including aspects of surgical technique such as site of implantation, how to deal with the exocrine component, portal or systemic venous drainage of the graft, the optimal quantity of pancreatic tissue for transplantation, and means of reducing the high technical failure rate.

Monitoring of graft function, diagnosis of rejection and effect of rejection episodes on long term function were also areas of interest. The ultimate object of the procedure was to document the effects of pancreas allografting on the secondary complications of diabetes. **Unfortunately, we observed that microangiopathy frequently progressed relentlessly, despite perfect glucose homeostasis by the graft.**

3. Renal Preservation and the Resuscitation of the Ischaemically Injured Kidney

This was the subject of my M.S. thesis (University of London 1985).

Working with the M.R.C. Cryobiology Unit, we studied dog kidney autografts given up to 60 minutes of warm ischaemia and subsequently preserved for up to 48 hours by either continuous hypothermic perfusion or retrograde gaseous persufflation at 0°C using either oxygen, air, helium or nitrogen delivered through the renal vein. Tissue adenine nucleotide levels were determined at the end of the preservation period.

Only kidneys preserved by retrograde oxygen or air persufflation were able to support life after 60 minutes ward ischaemia and 24 hours preservation. Adenine nucleotide levels did not predict kidney function after preservation.

This work led to a clinical study using non-heart beating kidney donors. Retrograde oxygen persufflation was confirmed to be superior to simple ice storage for preservation of ischaemically injured kidneys. (Published Transplantation 1989).

4. Coagulopathy and Reperfusion Phenomena in Liver Transplantation

Excessive requirements of blood and blood products have been the Hallmark of clinical liver transplantation in the past. Our work using Aprotinin, a protease inhibitor, to prevent fibrinolysis during liver transplantation, together with careful intra-operative monitoring of coagulation by thromboelastography, has led to a very significant decrease of blood and blood product requirements at our Centre, and at others who have adopted our protocols.

Currently, we are investigating the factors relevant to reperfusion injuries of both recipient and the donor organ in liver transplantation. A marked heparin effect has been identified in some cases after reperfusion of the liver graft. Platelet activation and trapping in the lungs has also been noted in some cases leading to pulmonary hypertension and even death. Whether these unpredictable phenomena are immunologically based, preservation related or possibly sepsis related is entirely speculative at present. Numerous publications related to these phenomena have appeared in reputable journals over the last few years.

5. The Chimeric State and Donor Specific Unresponsiveness (Tolerance)

I have been interested in seeking the “Holy Grail” of transplantation (donor specific unresponsiveness or tolerance) since my earliest experiences in transplantation. In animal models, short courses of immunosuppressives such as Cyclosporin frequently resulted in extremely long term graft survival accompanied by donor specific hypoactivity. In addition, the liver graft itself appears to have a relatively privileged immunological status in so far as it is able to resist or circumvent its own rejection in many animal models, even in the absence of immunosuppressive agents. Furthermore, much evidence has been accumulated that donor specific bone marrow may facilitate and augment the development of tolerance. Working with Professor H G Prentice at the Bone Marrow Transplant Group at the Royal Free Hospital, in a controlled clinical study, we were the **first workers to administer donor specific bone marrow to patients receiving liver grafts** under the cover of antithymocyte globulin and Cyclosporin. **This protocol, which had shown some graft survival benefit in kidney transplantation, added no benefit to liver graft recipients compared to controls. This work was reported in the Lancet in 1994.**

6. Prevention of Recurrent Hepatitis B Post-Transplantation

Together with Glaxo, the manufacturers, and the Birmingham Liver Transplant Unit, **we were the first group to evaluate Lamivudine**, an anti-viral agent in Hepatitis B virus DNA positive individuals requiring transplantation on account of end stage cirrhosis. This exciting agent renders patients with replicating virus HBV DNA negative by pre-transplant treatment for about one month. The drug, which is continued post-operatively, has been 90% successful in preventing re-activation of the virus post operatively. Many patients have lost Hepatitis B virus surface antigen in the post-transplant period. **This work has made a major contribution to the management of Hepatitis B virus related diseases. The first report of this work was published in the Lancet in 1996.**

7. Immunosuppressive Monotherapy

We have been among the first groups to pioneer steroid free immunosuppression and lessen where possible the immunosuppressive load for our patients. We are pursuing a policy of “customizing” immunosuppression for individual patients. Using the potent immunosuppressants cyclosporin and tacrolimus we reported the feasibility, safety, and success of “single agent” immunosuppression (monotherapy) in liver transplantation. More than 60% of patients are successfully treated with monotherapy “ab initio” in our programme. We are optimistic that the reduced immunosuppressive burden of monotherapy may beneficially alter the natural history of recurrent viral hepatitis after transplantation. Studies of viral load estimation and assessment of fibrosis on biopsy are ongoing in our post transplant hepatitis C recipients.

Avoidance of chronic irreversible nephrotoxicity associated with use of the calcineurin inhibitors cyclosporin and tacrolimus has provided further opportunities to “customise” immunosuppression with the substitution of rapamycin and mycophenolate for the nephrotoxic agents in those demonstrated to be disposed to nephrotoxicity.

8. Liver Associated Leukocytes

We have recently patented the intellectual rights associated with the isolation of a unique population of leukocytes derived from human donor livers just prior to implantation. The cells are prepared from the albumin flush passed through the graft just prior to revascularization in the recipient.

The cells contain large numbers of antigen presenting cells (**dendritic cells**) of donor origin which present antigen poorly and stimulate poorly in “in-vitro” tests – quite unlike dendritic cells from other sites. Considerable effort has been invested into the characterisation and purification of these cells, which may give valuable insight into the generally accepted fact that the liver graft is less aggressively rejected compared to other organs, and can even confer some degree of immunological protection against rejection on other organs from the same donor.

The effect of the cells “in vivo” in the context of kidney transplantation using the kidneys of the liver donor remain to be determined.

9. Autologous Peripheral Blood Stem Cells in Liver Transplantation

Using GCSF to mobilise peripheral blood stem cells in potential liver transplant recipients, stem cells have been separated by leukopheresis and stored. Immediately following transplantation the stem cells have been reinfused to provide a stem cell rich environment at the time of immunological engagement. Thymic processing of some of these stem cells into T cells may result in a population of newly formed T cells which recognise the graft as self and may thus facilitate donor specific unresponsiveness.

In addition, some of the stem cells may “home” in to the liver graft replacing some endothelial, parenchymal or reticulo-endothelial elements of the graft rendering it less immunogenic.

Our small randomised controlled trial in patients undergoing liver transplantation has shown a clear reduction in frequency and severity of rejection in patients receiving autologous stem cells in addition to a reduced incidence of post-operative infectious complications. Further funding to develop this exciting work is being sought.

10. Autologous Peripheral Blood Stem Cells in Acute Liver Failure

Using GCSF for mobilisation, patients suffering acute liver failure are being provided with a stem cell rich environment in the hope that a proportion of the stem cells will “home” to the damaged liver and subsequently differentiate into liver progenitor cells, thus enhancing regeneration and possibly avoiding the need for emergency liver transplantation. This project is under way but further funding is being sought to develop it.

Research and other Funding

	£	
1977	35,000	Wellcome research fellowship (ROLLES)
1984	100,000	Sandoz UK investigation of Cyclosporin G (CALNE, ROLLES)
1991	25,000	Bayer Pharmaceuticals for Aprotinin project (ROLLES , MALLETT, COX)
1993	362,000	Dept of Health for National Liver Transplant Audit (ROLLES)
1998	50,000	Royal Free Hospital School of Medicine for post-doctoral Clinical Scientist (ROLLES)
1998	80,000	Chugai Pharmaceuticals for GCSF project (ROLLES , ROLANDO, BURROUGHS)

Examinerships

1985 – 1990	University of Cambridge	MB, BCHIR
1995 – 1998	London Hospital Medical College	MBBS
1989 – present	Royal Free and UCH Medical School	MBBS

Teaching

1. Undergraduates on ward rounds, clinics and in operating theatres – approximately thrice weekly
2. Formal undergraduate lectures as required
3. Post graduate student lectures and seminars as required (eg MSc Immunology Course; MSc Transplantation Course)
4. Royal College of Surgeons and UK Transplant annual organ retrieval course since 1996
5. Invited lectures – see separate section

Higher Degree Supervisions

PhD – Mr El Wahsh (2002)

Title.

The effect of donor liver organ preservation and reperfusion techniques on the expression of cellular adhesion molecules (University of London 2002).

Title

MS—Mr.R.Koti.—Submitted.

Ischaemic preconditioning in hepatic regeneration.

Visiting Fellows

1.	Prof W Isoniemi	(Finland)	Six months	1994
2.	Dr W S Ahmed	(Pakistan)	Twelve months	1994
3.	Dr V Distanto	(Italy)	Six months	1994
4.	Dr E Soliman	(Egypt)	Twelve months	1995
5.	Dr Ashim Nandy	(Malaysia)	Six months	1995
6.	Dr S Nagral	(India)	Six months	1996
7.	Prof H Abulata	(Cairo)	Six months	1997
8.	Prof M Khalife	(Beirut)	Twelve months	1997
9.	Dr A Colleano	(Italy)	Three months	1998
10.	Dr A Agarwal	(India)	Eighteen months	1998
11.	Dr S Shah	(India)	Twelve months	1999
12.	Prof S Safar	(Egypt)	Six months	2000
13.	Dr M Ishida	(Japan)	Twelve months	2001

MR K ROLLES – PUBLICATIONS

Refereed Articles

1. **ROLLES, K., CALNE, R.Y., McMASTER, P.** (1979) Technique of Organ Removal and Fate of Kidney Grafts from Liver Donor. Transplantation, Vol. 28, 44-46.
2. **ROLLES, K., CALNE, R.Y.** (1980) Two Cases of Benign Breast Lumps after Treatment with Cyclosporin A. The Lancet, Vol. II, 795.
3. **ROLLES, K., MERION, R., CALNE, R.Y.** (1983) Conversion Problem - Azathioprine to Cyclosporin A. Transplantation Proceedings Vol. XV, No 4, Suppl. 1, 2878-2880.
4. **ROLLES, K., WILLIAMS, R., CALNE, R.Y., NEUBERGER, J.** (1984) Liver Transplantation 1968-1983: The Cambridge-King's College Hospital Experience. Hepatology, Vol.4, No.1 50S-55S.
5. **ROLLES, K., FOREMAN, J., PEGG, D.E.** (1984) Preservation of Ischaemically Injured Canine Kidneys by Retrograde Oxygen Persufflation. Transplantation, Vol, 38, No. 7, 102-106.
6. **ROLLES, K. And CALNE, R.Y.** (1986) Cyclosporin in the First Month Post Transplant. Transplantation Proceedings, Vol. XVIII, No 2. Suppl. 1, 55-58.
7. **ROLLES, K. And CALNE R.Y.** (1986) Surgical Aspects of Transplantation for Chronic Active Hepatitis. Transplantation Proceedings, XVIII, Suppl. 3, 81-82.
8. **ROLLES, K., FRIEND, P.J., CALNE, R.Y.** (1986) Seven Years Experience of Cyclosporin A in Renal Transplantation. Transplantation Proceedings, XVIII, No.5, 1242-1243.
9. **ROLLES, K., FOREMAN, J., PEGG, D.E.** (1989) A Pilot Clinical Study of Retrograde Oxygen Persufflation in Renal Preservation. Transplantation, Vol. 48, No. 2. 399-342.
10. **ROLLES, K., BURROUGHS, A.K., DAVIDSON, B.R., KARATPANIS, S., PRENTICE, H.G., HAMON, M.D.** Donor Specific Bone Marrow Infusion after Orthotopic Liver Transplantation. The Lancet, Vol. 343; January 29, 1994
11. **ROLLES, K., DAWSON, K., NOVELL, R., HAYTER, B., DAVIDSON, B., BURROUGHS, A.K.** Biliary Anastomosis after Liver Transplantation does not Benefit from T-tube Splintage. Transplantation, 57, No. 3: 402-404, 1994.

12. **ROLLES K., DAVIDSON BR., BURROUGHS AK.**
A Pilot Study of Immunosuppressive Monotherapy in Liver Transplantation: Tacrolimus versus Microemulsified Cyclosporin. *Transplantation* 1999; 68:1195-1198.
13. **BARROWMAN, J.A., BENNET, A., HILLENBRAND, P., ROLLES, K., POLLLOCK, D.J. and WRIGHT, J.T. (1975)** Diarrhoea in Thyroid Medullary Carcinoma: Role of Prostaglandins and Therapeutic Effects of Nutmeg. *Brit. Med. Journal*, 3, 11-12.
14. **CALNE, R.Y., ROLLES, K., WHITE, D.J.G., SMITH, D.P., HERBERTON, B.M. (1978)** Prolonged Survival of Pig Orthotopic Heart Grafts treated with Cyclosporin A. *The Lancet*, Vol. 1, 1183- 1185.
15. **CALNE, R.Y., WHITE, D.J.G., THIRU, S., EVANS, D.B., McMASTER, P., DUNN, D.C., CRADDOCK, G.N., PENTLOW, B.D., ROLLES, K. (1978)** Cyclosporin A in Patients receiving Renal Allografts from Cadaver Donors. *The Lancet*. Vol. II, 1323-1327.
16. **CALNE, R.Y., ROLLES, K., WHITE, D.J.G., THIRU, S., EVANS, D.B., McMASTER, P., DUNN D.C., CRADOCK, G.N., HENDERSON, R.G., AZIZ, S., LEWIS, P. (1979)** Cyclosporin A initially as the only Immunosuppressant in 34 Recipients of Cadaver Organs: 32 Kidneys, 2 Pancreases and 2 Livers. *The Lancet*, II. 1033-1036.
17. **CALNE, R.Y., WHITE, D.J.G., PENTLOW, B.D., ROLLES, K., SYRAKOS, T., OHTAWA, T., SMITH, D.P., McMASTER, P., EVANS, D.B., HERBERTSON, B.M. and THIRU, S. (1979)** Cyclosporin A: Preliminary Observations in Dogs with Pancreatic -Duodenal Allografts and Patients with Cadaveric Renal Transplants. *Trans. Proc. XI*, No. 1. 860-864.
18. **CALNE, R.Y., McMASTER, P., SMITH, D.P., CRADDOCK, G.N., ROLLES, K., FARMAN, J.V., LINDOP, M., BETHUNE, D.W., WHEELDON, G., GILL, R. and WILLIAMS, R. (1979)** Use of Partial Cardiopulmonary Bypass during the Anhepatic Phase of Orthotopic Liver Grafting. (Preliminary Communication) *The Lancet*, II, 612-614.
19. **WHITE, D.J.G., ROLLES, K., OHTAWA, T. And TUREI, O. (1980)** Cyclosporin A - Induced Long-term Survival of fully Compatible Skin and Heart Grafts in Rats. *Transplantation Proceedings*, XII. 261-265
20. **CALNE, R.Y., McMASTER, P., ROLLES, K., DUFFY T.J., (1980)** Technical Observations in Segmental Pancreas Allografting - Observations on Pancreatic Blood Flow. *Transplantation Proceedings*, XII, No 4, Suppl. 2, 51-58

21. McMASTER, P., PROCYSHYN, A., CALNE, R.Y., VALDES, R., **ROLLES, K.**, and SMITH, D.J.G., (1980) Prolongation of Canine Pancreas Allograft Survival with Cyclosporin A: Preliminary Report. British Medical Journal, 280, 444-445
22. CALNE, R.Y., WHITE, D.J.G., PENTLOW, B.D., **ROLLES, K.**, SYRAKOS, T., OHTAWA, T., SMITH, D.P., McMASTER, P., EVANS, D.B., HERBERTON, B.M., THIRU, S. (1980) Cyclosporin A - A powerful Immunosuppressant in Dogs with Renal Allograft and Pigs in Orthotopic Cardiac Allografts. Transplantation Proceedings, XII, 51-57
23. McMASTER, P., PROCYSHYN, A., CALNE, R.Y., VALDES, R., **ROLLES, K.**, SMITH, D. (1980) Prolongation of Canine Pancreas Allografts with Cyclosporin A. Transplantation Proceedings, XII, No 2, 275-277
24. DUNN, D.C., WHITE, D.J.G., HERBERTSON, B.M., and **ROLLES, K.**, (1980) Detrimental Effect of Steroids on Cyclosporin A-induced Prolonged Allograft Survival. Transplantation Proceedings, XII. 335-3
25. CALNE, R.Y., **ROLLES, K.**, WHITE, D.J.G., THIRU, S., EVAS, D.B., HENDERSON, R.G., HAMILTON, D.V., BOONE, N., McMASTER, P., GIBBY, O., WILLIAMS, R., (1981) Cyclosporin A in Clinical Organ Grafting. Transplantation Proceedings, XIII, No 1, 349-359
26. CALNE, R.Y., WILLIAMS, R., FARMAN, J.V., TOLLEY, M.E., **ROLLES, K.**, McDOUGALL, B.R.D., NEUBERGER, J., WYKE, R.J., RAFTERY, A.T., DUFFY, T.J., WIGHT, D.G.D., and WHITE, D.J.G. (1981) Improved Survival after Orthotopic Liver Grafting. British Medical Journal, 283, 115-118
27. McMASTER, P., GIBBY, O., CALNE, R.Y., LOKE, M., LUZIO, S.D., **ROLLES, K.**, WHITE, D.J.G. and EVANS, D.B. (1981) Human Pancreatic Transplantation - Preliminary Studies of Carbohydrate Control. Transplantation Proceedings, XIII, No 1, 371-373
28. CALNE, R.Y., **ROLLES, K.**, WHITE, D.J.G., THIRU, S., EVANS, D.B., HENDERSON, R.G., HAMILTON, D.V., BOONE, N., McMASTER, P., GIBBY, O., WILLIAMS, R., (1981) Cyclosporin A in Clinical Organ Grafting. Ulster Medical Journal, 50, 62-70
29. CALNE, R.Y., **ROLLES, K.**, WHITE, D.J.G., THIRU, S., EVANS, D.B., HENDERSON, R.G., HAMILTON, D.V., BOONE, N., McMASTER, P., GIBBY, O., WILLIAMS, R. (1981) Cyclosporin A in Clinical Organ Grafting. Dialysis and Transplantation , 10, 577-588

30. CALNE, R.Y., WHITE, D.J.G., **ROLLES, K.**, DUFFY, T.J., KASS, T. (1982) Renal and Segmental Pancreatic Grafting with Draining of Exocrine Secretion and Initial Continuous Intravenous Cyclosporin A in a Patient with Insulin-Dependent Diabetes and Renal Failure. *British Medical Journal* 2855, 677-680
31. PEGG, D.E., FOREMAN, J., **ROLLES, K.**, (1984) Metabolism during Preservation and Viability of Ischaemically Injured Canine Kidneys. *Transplantation*, Vol 38, No 1, 78-81
32. CALNE, R.Y., **ROLLES, K.**, FARMAN, J.V., KNEESHAW, J.D., SMITH, D.P., WHEELDON, D.R. (1984) Veno-arterial Bypass in Orthotopic Liver Grafting. *Lancet*, Vol 2, 1296
33. JAMIESON, N.V., FRIEND, P.J., **ROLLES, K.**, (1984) Delayed Rupture of Diaphragm Presenting as Gastric Outlet Obstruction. *Thorax*, Vol 39, 794-795
34. WILLIAMS, R., CALNE, R.Y., **ROLLES, K.**, POLSON, R.J., (1985) Occasional Review: Current Results with Orthotopic Liver Grafting in Cambridge/Kings College Hospital series. *British Medical Journal*, Vol 290, No. 6461, 49-52
35. CALNE, R.Y., WHITE, D.J.G., THIRU, S., **ROLLES, K.**, DRAKOPOULOS, S., JAMIESON, N.W. (1985) Cyclosporin G: Immunosuppressive effect in Dogs with Renal Allografts. *The Lancet*, Vol 1 No 8441, 1342
36. WATTS, R.W.E., CALNE, R.Y., WILLIAMS, R., MANSELL, M.A., VEALL, N., PURKISS, P and **ROLLES, K.** (1985) Primary Hyperoxaluria (Type I): Attempted Treatment by Combined Hepatic and Renal Transplantation. *Quarterly Journal of Medicine*, New Series 57, 697-703
37. CALNE, R.Y., WILLIAMS, R and **ROLLES, K.** (1986) Liver Transplantation in the Adult. *World Journal of Surgery*, 10:3, 422-431
38. BARROSO, E., GARCIA DA SILVA., GORE, S.M., WHITE, D.J.G., BOURGEON, A., **ROLLES, K.**, CALNE, R.Y.,(1986) Analysis of Risk Factors in Liver Transplantation. *Transplantation Proceedings*, XVIII, No 5, 1210-1212
39. WHITE, D.J.G., CALNE, R.Y., COLLIER, St.J., **ROLLES, K.**, WINTER, S., DRAKOPOULOS, S., (1986) Is Cyclosporin G more or less Immunosuppressive than Cyclosporin A? *Transplantation Proceedings*, XVIII, No 5, 1244-1245

40. BRONS, I.G.M., CALNE, R.Y., **ROLLES, K.**, OLCZAK, S., EVANS, D.B. (1986) Paratopic Segmental Pancreas with Simultaneous Kidney Transplantation in Man: A one year follow-up study. Transplantation Proceedings, XVIII, No 5, 1129-1130
41. FRIEND, P.J., CALNE, R.Y., HALE, G., WALDMANN, H., **ROLLES, K.** (1986) Prophylactic use of an Anti-lymphocyte Monoclonal Antibody following combined Kidney and Pancreas Transplantation. Transplantation Proceedings, XVIII, No 5, 1291-1292
42. DRAKOPOULOS, S., JAMIESON, N.V., **ROLLES, K.**, CALNE, R.Y. (1986) An Experience of 138 Multiple Organ Donors over a Six Year Period. Technique and Fate of Kidney Grafts from these Donors. Transplantation Proceedings, XVIII, No 5, p 1414
43. WATTS, R.W.E., CALNE, R.Y., DANPURE, C.J., MANSELL, M.A., MORGAN, S.H., WILLIAMS, R., **ROLLES, K.**, PURKISS, P. (1987) Successful Treatment of Primary Hyperoxaluria Type I by Combined Hepatic and Renal Transplantation. The Lancet, Vol ii, No. 8557, 474-475
44. POLSON, R.J., **ROLLES, K.**, CALNE, R.Y., WILLIAMS, R., MARSDEN, D. (1987) Reversal of Severe Neurological Manifestations of Wilson's Disease following Orthotopic Liver Transplantation. Quarterly Journal of Medicine.
45. BISMUTH, H., CASTAING, D., ERICZON, B.G., OTTE, J.B., **ROLLES, K.**, RINGE, B., SLOOF, M. (1987) The first report of the European Liver Transplant Registry "Hepatic Transplantation in Europe". The Lancet, Vol II, No. 8560, 674-676
46. JAMIESON, N.V., CALNE, R.Y., **ROLLES, K.**, BARNES, N.D., MOWAT, A. P. (1987) Problems and Results in Paediatric Liver Transplantation in the Cambridge/King's College Hospital Series 1968-1986. Transplantation Proc. Vol XIX, No 1, 2447-2448
47. PETT, S., PELHAM, A., TIZARD, J., BARNES, N., MIELI-VERGANI, G., MOWAT, A.P., WILLIAMS, R., **ROLLES, K.**, CALNE, R.Y. (1987) Paediatric Liver Transplantation: Cambridge/King's Series, Dec. 1983 - Aug. 1986. Transplantation Proc. Vol XIX, No. 4, 3256-3260
48. POLSON, R.J., LIM, C.K., **ROLLES, K.**, CALNE, R.Y., WILLIAMS, R. (1988) The Effect of Liver Transplantation in a 13 year old boy with Erythropoietic Protoporphyrinuria. Transplantation 46, 386-389.
49. HARPER, P.L., EDGAR, P.F., LUDDINGTON, R.J., SEAMAN, M.J., CARRELL, R.W., SALT, A.T., BARNES, N., **ROLLES, K.**, CALNE, R.Y. (1988) Protein C Deficiency and Portal Vein Thrombosis in Liver Transplantation in Children. The Lancet II (88), 924-927

50. O'GRADY, J.G., FORBES, A., **ROLLES, K.**, CALNE, R.Y., WILLIAMS, R. (1988) An Analysis of Cyclosporin Efficacy and Toxicity after Liver Transplantation. *Transplantation* 45, 575-579 (1988)
51. CAMPBELL, D.A.J., **ROLLES, K.**, JAMIESON, N.V., O'GRADY, J., WIGHT, D.G.D., WILLIAMS, R., CALNE, R.Y. (1988) Hepatic Transplantation with Perioperative and Long-term Anticoagulation as Treatment for Budd-Chiari Syndrome. *Surgery, Gynaecological and Obstetrics*, 166, 511-518
52. O'GRADY, J.G., POLSON, F.J., **ROLLES, K.**, CALNE, R.Y., WILLIAMS, R., (1988) Liver Transplantation for Malignant Disease. Results in 93 consecutive patients. *Annals of Surgery*, 20, 373-379
53. LIVESEY, S.A., **ROLLES, K.**, CALNE, R.Y., WALLWORK, J., and ENGLISH, T. A .H. (1988) Successful Simultaneous Heart and Kidney Transplantation using the same donor. *Clinical Transplantation* 1988: 2: 1-4
54. BURROUGHS, A.K., BIAGINI, M., McCORMICK, PA., **ROLLES, K.** (1989) Liver Transplantation for Primary Biliary Cirrhosis. *Postgraduate Medical Journal*, 65: 553-558
55. FRIEND, P.J., LIM, S., SMITH, M.F., JAMIESON, N.V., **ROLLES, K.**, O'GRADY, J., WILLIAMS, R., and CALNE. R.Y. (1989) Liver Transplantation in the Cambridge/King's College Hospital Series - The first 400 patients. *Transplantation Proceedings*, 21:1, 2397-2399
56. NEUBERGER, J., ALTMAN, D.G., POLSON, R., BUCKELS, J., **ROLLES, K.**, ELIAS, E., CALNE, R.Y., McMASTER, P., WILLIAMS, R. (1989) Prognosis after Liver Transplantation for Primary Biliary Cirrhosis. *Transplantation*, 48(3): 444-7
57. HARPER, P., LUDDINGTON, R., JENNINGS, I., REARDON, D., SEAMAN, D., CARRELL, R., KLINK, J., SMITH, M., **ROLLES, K.**, CALNE, R.Y. (1989) Coagulation changes following Hepatic Revascularisation during Liver Transplantation. *Transplantation*, 48: 603-607
58. SCHEUER, P.J., SCHACHTER, L.A., MATHUR, S., BURROUGHS, A.K., **ROLLES, K.** (1990) Peliosis Hepatitis following Liver Transplantation. *Journal of Clinical Pathology*; 43: 1036-1039
59. MALLET, S.V., COX, D., BURROUGHS, A.K., **ROLLES, K.** (1990) Aprotinin and Reduction of Blood Loss and Transfusion requirements in Orthotopic Liver Transplantation. *The Lancet*; 336: 886-887
60. BELLI, L., DUSCHEIKO, G., **ROLLES, K.**, BURROUGHS, A.K. (1990) Liver Transplantation for Chronic Viral Hepatitis.

61. WATTS, R.W.E., MORGAN, S.H., DANPURE, C.J., PURKISS, P., CALNE, R.Y., **ROLLES, K.**, BAKER, L.R.I., MANSELL, M.A., LYNWOOD SMITH, H., MERION, R.W., LUCEY, M.R. (1990) Combined Hepatic and Renal Transplantation in Primary Hyperoxaluria Type I: A clinical report of 9 cases. *American Journal of Medicine* 191; 90: 179-188
62. MALLET, S.V., COX, D., BURROUGHS, A.K., **ROLLES, K.** (1990) The Intra-operative use of Trasylol (Aprotinin) in Liver Transplantation. *Transplantation International* 4: 227-330
63. JAMIESON, N.V., JOHNSTON, P.S., O'GRADY, J., SMITH, M.F., FRIEND, P.J., **ROLLES, K.**, and CALNE, R.Y. (1990) Clinical use of U.W. Solution or a simplified Liver Preservation solution prior to Transplantation in 179 Human Livers Oct. 1990 *Transplantation Proceedings*, 22: 2189-2190
64. STANSBY, G., JEREMY, J., FULLER, B., **ROLLES, K.**, HAMILTON, G. (1991) Vascular Prostacyclin Production after Storage in Organ Preservation Solutions. *Cryobiology*, 28; 520
65. NG, I., BURROUGHS, A., **ROLLES, K.**, BELLI, L., SHEUER, P. (1991) Hepatocellular Ballooning after Liver Transplantation, a Light and Electronmicroscopic Study with Clinic Pathological Correlation. *Histopathology*, 18; 323-330
66. BURROUGHS, A., BLAKE, J., THORNE, S., ELSE, M., **ROLLES, K.** (1992) Comparative Hospital Costs of Liver Transplantation and the Treatment of Complications of Cirrhosis. *Journal of Gastroenterology and Hepatology*, 4: 123-128
67. SALT, A., NOBLE-JAMIESON, G., BARNES, N.D., MOWAT, A.P., **ROLLES, K.**, JAMIESON, N., JOHNSTON, P., FRIEND, P., CALNE, R.Y. (1992) Liver Transplantation in 100 Children: Cambridge and King's College Hospital Series. *British Medical Journal* No. 6824, Vol. 304
68. HILL, N., MORRIS, N., SHAW, R., MATHUR, S., **ROLLES, K.**, BURROUGHS, A.K. (1991) Pregnancy after Orthotopic Liver Transplantation. *British Journal of Obstetrics and Gynaecology*, 98: 719-72
69. MALLET, S., **ROLLES, K.**, COX, D., BURROUGHS, A.K., HUNT, B. (1991) Intra-operative use of Aprotinin (Trasylol) in Orthotopic Liver Transplantation. *Transplantation Proceedings*, 23 (3): 1931-2
70. JEREMY, J., STANSBY, G., FULLER, B., **ROLLES, K.**, HAMILTON, G. (1992) The Effect of Cold Storage of Rat Thoracic Aortic Rings in Organ

Preservation Solutions - A Study of Recepto-linked Vascular Prostacyclin Synthesis. *Transplantation* 53 (5):999-1002

71. PILLAY, D., CHARMAN, H., SMITH, M., **ROLLES, K.**, BURROUGHS, A.K., GRIFFITHS, P. Surveillance for CMV Infection in Orthotopic Liver Transplant Recipients. *Transplantation* 1992; 53: 1261-65
72. SANKEY, E., CROW, J., MALLETT, S., ALCOCK, R., MORE, L., BURROUGHS, A.K., **ROLLES, K.** Pulmonary Platelet Aggregates: A possible cause of Sudden Pre-operative Death in Adults undergoing Liver Transplantation. *J,Clinic. Path.* 1993; 46: 222-227
73. MALLETT, S., ALCOCK, R., COX, D., **ROLLES, K.**, DAVIDSON, B.R. Aprotinin and Orthotopic Liver Transplantation. *The Lancet*, 340: 493, 1992
74. SALT, A., BARNES, N., **ROLLES, K.**, CALNE, R.Y., CLAYTON, P., LEONARD, J. Liver Transplantation in Tyrosinaemia Type I: The Dilemma of Timing the Operation. *Acta Paediatr.* 81: 449-52 1992
75. SMITH, O., DAWSON, K., HAZLEHURST, G., BROZOVIC, B., **ROLLES, K.**, BURROUGHS, A., MALLETT, S., MEHTA, A. The Impact of Aprotinin on Blood Transfusion requirements in Liver Transplantation. *Transfusion Medicine*, June 1993, 3(2): 97-102
76. KARATAPANIS, S., JACOBS, M., McCORMICK, P.A., STANSBY, G., **ROLLES, K.**, McINTYRE, N., BURROUGHS, A.K., JEREMY, J.Y. Effect of Hypothermic Storage in Liver Allograft Preservation Solutions on Vasoactivity and Prostacyclin Synthesis by the Rabbit Aorta, in vitro. *Journal of Hepatology*, 1993; 19: 71-78
77. HAMILTON, M.I.R., ALCOCK, R., MAGOS, L., MALLETT, S., **ROLLES, K.**, BURROUGHS, A.K. Liver Transplantation during Pregnancy. *Transplantation Proceedings*, 1993, Vol. 25, No. 5, 2967-2968
78. FULLER, B., KURZAWINSKI, T., HARDY, S., APPLEBY, J., BURROUGHS, A.K., DAVIDSON, B., CHEETHAM, K., **ROLLES, K.** Evaluation of the Importance of the Cation Content of Liver Preservation Solution: Clinical results using Sodium-and-Potassium-based Lactobionate Flushes. *Cryobiology* 30: 637; 1993.
79. STANSBY, G., FULLER, B., JEREMY, J., CHEETHAM, K., **ROLLES, K.** Endotheline release - A Facet of Reperfusion Injury in Liver Transplantation? *Transplantation*: 56, No. 1, 239-240, 1993

80. DHILLON, A.P., BURROUGHS, A.K., HUDSON, M., SHAH, N., **ROLLES, K.**, SHEUER, P.J. Hepatic Venular Stenosis after Orthotopic Liver Transplantation. *Hepatology*, 19: 1; 106-111, 1994.
81. KURZAWINSKI, T.R., APPLEBY, J.A., HARDY, S.C., FULLER, B., CHEETHAM, K., HASWELL, S., DAVIDSON, B.R., **ROLLES, K.** A Prospective Randomised Clinical Trial of Liver Preservation using High-sodium versus High-potassium Lactobionate/Raffinose Solution. *Trans. Int. 7 (suppl. 1): 489-492, 1994*
82. DAVIDSON, B.R., GIBSON, M., DICK, R., BURROUGHS, A.K., **ROLLES, K.** Incidence, Risk factors, Management and Outcome of Portal Vein Abnormalities at Orthotopic Liver Transplant. *Transplantation*, 57, 8; 1174-1177, 1994
83. STEIGER, M.J., FARRAH, T., **ROLLES, K.**, HARVEY, P., BURROUGHS, A.K. Cyclosporin associated Headache. *Journal of Neurology, Neurosurgery and Psychiatry* 57: 1258, 1994
84. BEN ARI, Z., LAINE, A., DHILLON, A., **ROLLES, K.**, DAVIDSON, B.R., BURROUGHS, A.K. Eosinophil Response to OKT3 Therapy in Human Liver Allograft Rejection. *British Society of Gastroenterology, GUT* 1994; 35 (suppl.5)
85. SARGENTONI, TAYLOR-ROBINSON, S.D., MARCUS, SALVEST, C.D., MARSHALL, D., BURROUGHS, A.K., DAVIDSON, B.R., **ROLLES, K.** Hepatic 31p MRS in Chronic Graft Rejection. *GUT* 1994; 35 (suppl. 5)
86. SMITH, M., WEBSTER, A.D.B., DHILLON, A.P., DUSHEIKO, G., BOULTON, R., SAVAGE, K., **ROLLES, K.**, BURROUGHS, A.K. Orthotopic Liver Transplantation for Chronic Hepatitis in two patients with Common Variable Immunodeficiency. *Gastroenterology* 1995; 108: 879-884
87. MENON, D.K., SARGENTONI, J., TAYLOR-ROBINSON, S.D., BELL, J.D., COX, J., BRYANT, D.J., COUTTS, G.A., **ROLLES, K.**, BURROUGHS, A.K., MORGAN, M.U. Effect of Functional Grade and Etiology in In Vivo Hepatic Phosphorus-31 Magnetic Resonance Spectroscopy in Cirrhosis: Biochemical Basis of Spectral Appearances. *Hepatology* 1995; 21 No. 2: 417-427
88. BEN ARI, Z., BOOTH, J.D., GUPTA, S.D., **ROLLES, K.**, DHILLON, A.P., BURROUGHS, A.K. Morphometric Image Analysis and Eosinophil Counts in Human Liver Allografts. *Transplant International* (1995) 8: 346-352
89. Criteria for the Diagnosis of Brain Stem Death. Review by a Working Group convened by the Royal College of Physicians and endorsed by the Conference of Medical Royal Colleges and their Faculties in the UK.

90. COLLIS, I., BURROUGHS, A.K., **ROLLES, K.**, LLOYD, G.
Psychiatric and Social Outcome of Liver Transplantation.
British Journal of Psychiatry (1995), 116: 521-524
91. KARATAPANIS, S., McCORMICK, P.A., JACOBS, M., STANSBY, G.,
ROLLES, K., McINTYRE, N., BURROUGHS, A.K., JEREMY, J.Y.
Effect of Liver and Kidney Preservation Solutions on Vascular Viability: Studies
on Contraction and Relaxation of Rat Aorta in vitro. Transplantation Proc. April
1993; 25(2): 2148-52
92. DATTA-GUPTA, S., HUDSON, M., BURROUGHS, A.K., MORRIS, R.,
ROLLES, K., AMLOT, P., SCHEUER, P.J., DHILLON, A.P.
Grading of Cellular Rejection after Orthotopic Liver Transplantation.
Hepatology (1995) 21: 46-57
93. SEIFALIAN, A.M., DAVIDSON, B.R., **ROLLES, K.**
Laser Doppler Imaging for the Assessment of Liver Perfusion during
Transplantation.
European Journal of Gastroenterology and Hepatology (1993) 5: 479-482 1996/97
94. BLANSHARD C., PASI J., **ROLLES K.**, DAVIDSON B., JAIN S.,
BURROUGHS AK.
Acute Budd-Chiari Syndrome Treated by Liver Transplantation in a Woman
Homozygous for Factor V Leiden.
European Journal of Gastroenterology & Hepatology 1996 8: 925-927
95. GRELLIER L., MUTIMER D., AHMED M., BROWN D., BURROUGHS AK.,
ROLLES K., MCMaster P., BERANEK P., KENNEDY F., KIBBLER H.,
MCPHILLIPS P., ELIAS E., DUSKEIKO G.
Lamivudine Prophylaxis against Reinfection in Liver Transplantation for Hepatitis
B Cirrhosis.
The Lancet 1996 Vol 348: 1212-1215
96. BEN ARI Z., DHILLON AP., MOQBEL R., GARWOOD L., BOOTH D.,
ROLLES K., DAVIDSON B., BURROUGHS AK.
Monoclonal Antibodies against Eosinophils in Liver Allograft Rejection.
Liver Transplantation & Surgery 1996 Vol 2, No 1: 46-51
97. JALAN R., SARGENTONI J., COUTTS GA., BELL JD., **ROLLES K.**,
BURROUGHS AK., TAYLOR ROBINSON SD
Hepatic Phosphorus-31 Magnetic Resonance Spectroscopy in Primary Biliary
Cirrhosis and its Relation to Prognostic Models. Gut 1996 39: 141-146
98. DISTANTE V., FAROUK M., KURZAWINSKI TR., AHMED SW.,
BURROUGHS AK., DAVIDSON BR., **ROLLES K.**

- Duct to Duct Biliary Reconstruction following Liver Transplantation for Primary Sclerosing Cholangitis.
Transplant International 1996 9: 126-130
99. BEN ARI Z., NEVILLE L., **ROLLES K.**, DAVIDSON BR., BURROUGHS AK.
Liver Biopsy in Liver Transplantation: No Additional Risk of Infections in Patients with Choledochojejunostomy.
Journal of Hepatology 1996 24: 324 327
100. MACFARLANE B., DAVIDSON B., DOOLEY JS., DAWSON K., OSBORNE MJ., **ROLLES K.**, BURROUGHS AK.
Endoscopic Retrograde Cholangiography in the diagnosis and Endoscopic Management of Biliary Complications after Liver Transplantation.
European Journal of Gastroenterology & Hepatology 1996 Vol 8, No 19: 1003-1006
101. BEN ARI S., DHILLON AP., GARWOOD L., **ROLLES K.**, DAVIDSON BR., BURROUGHS AK.
Prognostic Value of Eosinophils for Therapeutic Response in Severe Acute Hepatic Allograft Rejection.
Transplantation Proceedings 1996 Vol 28, No 6: 3624-3628
102. FRASER G., GRAMMOUSTIANOS K., REDDY J., **ROLLES K.**, DAVIDSON B., BURROUGHS AK.
Long-Term Immunosuppression without Corticosteroids after Orthotopic Liver Transplantation: A Positive Therapeutic Aim.
Liver Transplantation & Surgery 1996 Vol 2, No 6: 411-417
103. KURZAWINSKI TR., SELVES L., FAROUK M., DOOLEY J., HILSON A., BUSCOMBE., BURROUGHS A., **ROLLES K.**, DAVIDSON BR.
Prospective Study of Hepatobiliary Scintigraphy an Endoscopic Cholangiography for the Detection of Early complications after Orthotopic Liver Transplantation.
British Journal of Surgery 1997 84, 620-623
104. BHATTACHARYA S., DHILLON AP., REES J., SAVAGE K., SAADA J., BURROUGHS A., **ROLLES K.**, DAVIDSON BR.
Small Hepatocellular Carcinomas in Cirrhotic Explant Livers: Identification by Macroscopic Examination and Lipiodol Localisation.
Hepatology 1997 Vol 25, No 3: 613-618
105. LAO WC., LEE D., BURROUGHS AK., LANZINI G., **ROLLES K.**, EMERY VC., GRIFFITHS PD.
Use of Polymerase Chain Reaction to provide Prognostic Information on Human Cytomegalovirus Disease after Liver Transplantation.
Journal of Medical Virology 1997 51: 152-158
106. PATCH D., DODGE G., MCCORMICK PA., DAVIDSON BR., **ROLLES K.**, DICK R., BURROUGHS AK.

TIPSS (Transjugular Intrahepatic Portasystemic Shunt) for the Surgeon.
British Journal of Surgery 1997 Vol 84: 33

107. TAYLOR-ROBINSON SD., SARGENTONI J., BELL JD., SAEED N.,
CHANGANI KK., DAVIDSON BR., **ROLLES K.**, BURROUGHS AK.,
HODGSON HJF., FOSTER CS., COX IJ.
In Vivo and In Vitro Hepatic ³¹P Magnetic Resonance Spectroscopy and Electron
Microscopy of the Cirrhotic Liver
Liver 1997: 17: 198-209
108. SAADA J., BHATTACHARYA S., DHILLON AP., DICK R., BURROUGHS
AK., **ROLLES K.**, DAVIDSON BR.
Detection of Small Hepatocellular Carcinomas in Cirrhotic Livers using Iodised Oil
Computed Tomography
Gut 1997: 41: 404-407
109. COPE AV., SABIN C., BURROUGHS A., **ROLLES K.**, GRIFFITHS PD.,
EMERY VC.
Interrelationships between Quantity of Cytomegalovirus DNA in Blood,
Donor/Recipient Serostatus and Augmented Prednisolone as Risk Factors for
HCMV Disease following Liver Transplantation
Journal of Infectious Disease, Dec 1997; 176(6): 1484-90
110. NAGRAL A., BUTLER P., SABIN CA., **ROLLES K.**, BURROUGHS AK.
a-Glutathione-S-Transferase in Acute Rejection of Liver Transplant Recipients.
Transplantation 1998: 65: 401-405
111. TAYLOR-ROBINSON SD., SARGENTONI J., BELL JD., THOMAS EL.,
MARCUS CD., CHANGANI KK., SAEED N., HODGSON HJF., DAVIDSON
BR., BURROUGHS AK., **ROLLES K.**, FOSTER CS., COX IJ.
In Vivo and In Vitro Hepatic Phosphorus-31 Magnetic Resonance Spectroscopy
and Electron Microscopy in Chronic Ductopenic Rejection of Human Liver
Allografts.
Gut 1998: 42: 735-743
112. PAPATHEODORIDIS GV., HAMILTON M., **ROLLES K.**, BURROUGHS AK.
Inflammatory Bowel Disease and Liver Transplantation
Journal of Hepatology 1998; 28: 1070-1076
113. CAPLIN ME., HODGSON HJ., DHILLON AP., BEGENT R., BUSCOMBE J.,
DICK R., **ROLLES K.**, BURROUGHS AK.
Multimodality Treatment for Gastric Carcinoid Tumour with Liver Metastases.
The American Journal of Gastroenterology 1998: Vol 93, No 10: 1945-1948

114. GLEDHILL J, BURROUGHS A, **ROLLES K**, DAVIDSON BR, BLIZARD B, LLOYD G.
Psychiatric and Social Outcome Following Liver Transplantation for Alcoholic Liver Disease: A Controlled Study.
Journal of Psychosomatic Research 1999: Vol. 46, No. 4: 359-368
115. DAVIDSON BR., RAI R., KURZAWINSKI TR., SELVES L., FAROUK M., DOOLEY JS., BURROUGHS AK., **ROLLES K**.
Prospective Randomised Trial of End-to-end Versus Side-to-side Biliary Reconstruction after Orthotopic Liver Transplantation.
British Journal of Surgery 1999: 86, 447-452
116. GOULIS J., CHAU TN., JORDAN S., MEHTA AB., WATKINGSON A., **ROLLES K.**, BURROUGHS AK.
Thrombopoietin Concentrations are Low in Patients with Cirrhosis and Thrombocytopenia and are Restored after Orthotopic Liver Transplantation.
Gut 1999: 44: 754-758
117. DOCTOR N. DOOLEY JS., DICK R., WATKINSON, A., **ROLLES K.**, DAVIDSON BR.,
Multidisciplinary Approach to Biliary Complications of Laparoscopic Cholecystectomy (see comments). British Journal of Surgery. 85(5):627-32, 1998 May.
118. PAPATHEODORIDIS GV., HAMILTON M., MISTRY PK., DAVIDSON B., **ROLLES K.**, BURROUGHS AK.,
Ulcerative Colitis has an Aggressive Course after Orthotopic Liver Transplantation for Primary Sclerosing Cholangitis. Gut. 43(5): 639-44, 1998 Nov.
119. CALNE RY., THIRU S., MCMASTER P., CRADDOCK GN., WHITE DJ., EVANS DJ., DUNN DC., PENTLOW BD., **ROLLES K.**,
Cyclosporin A in Patients receiving Renal Allografts from Cadaver Donors. 1978 (classical article). Journal of the American Society of Nephrology. 9(9): 1751-6, 1998 Sep.
120. PAPATHEODORIDIS GV., BARTON SG., ANDREW D., CLEWLEY G., DAVIES S., DHILLON AP., DUSHEIKO G., DAVIDSON B., **ROLLES K.**, BURROUGHS AK.
Longitudinal Variation in Hepatitis C Virus (HCV) Viraemia and Immunosuppressive Regimens. Gut. 45(3): 427-34, 1999 Sep.
121. PAPATHEODORIDIS GV., O'BEIRNE J., MISTRY P., DAVIDSON B., **ROLLES K.**, BURROUGHS A.K.
Mycophenolate Mofetil Monotherapy in Stable Liver Transplant Patients with Cyclosporine-induced Renal Impairment: a preliminary report. Transplantation. 68(1):155-7, 1999 Jul 15.

122. BEN-ARI., AMLOT P., LACHMANAN SR., TUR-KASPA R., **ROLLES K.**, BURROUGHS AK.,
Posttransplantation Lymphoproliferative Disorder in Liver Recipients: Characteristics, Management, and Outcome. *Liver Transplantation & Surgery*. 5(3): 184-91, 1999
123. VAN'T HOFF WG., DIXON M., TAYLOR J., MISTRY P., **ROLLES K.**, REES L., LEONARD JV., Combined Liver-Kidney Transplantation in Methylmalonic Acidemia. *Journal of Pediatrics*. 132(6): 1043-4, 1998
124. HAQUE T., AMLOT PL., HELLING N., THOMAS JA., SWENY P., **ROLLES K.**, BURROUGHS AK., PRENTICE HG., CRAWFORD DH.,
Reconstitution of EBV-specific T cell immunity in Solid Organ Transplant Recipients. *Journal of Immunology*. 160(12):6204-9, 1998
125. SEIFALIAN AM., CHIDAMBARAM V., **ROLLES K.**, DAVIDSON BR.,
In vivo Demonstration of Impaired Microcirculation in Steatotic Human Liver Grafts. *Liver Transplantation & Surgery*. 4(1):71-7, 1998
126. SEIFALIAN AM., MALLET SV., **ROLLES K.**, DAVIDSON BR.,
Hepatic Microcirculation during Human Orthotopic Liver Transplantation. *British Journal of Surgery*. 84(1):1391-5, 1997
127. GRIFFITHS PD., KHALED MA., BEARCROFT CP., CLARK DA., QUAGLIA A., DAVIES SE., BURROUGHS AK., **ROLLES K.**, KIDD MI., KNIGHT SN., NOIBI SM., COPE AV., PHILLIPS AN., EMERY VC.
Human Herpes Viruses 6 and 7 as Potential Pathogens after Liver Transplant: Prospective Comparison with the effect of Cytomegalovirus. *Journal of Medical Virology* (1999) 59:496-501.
128. MUTIMER D., DUSHEIKO G., BARRETT C., GRELLIER L., AHMED M., ANSCHUETZ G., BURROUGHS AK., HUBSCHER S., DHILLON A., **ROLLES K.**, ELIAS E.
Lamivudine without HBIg for prevention of Graft reinfection by Hepatitis B: Long-term follow up. *Transplantation* September 15, 2000 Vol. 70 809-815.
129. SEIFALIAN A., MALLET S., PIASECKI C., **ROLLES K.**, DAVIDSON BR.
Non-invasive measurement of hepatic oxygenation by an oxygen electrode in human orthotopic liver transplantation. *Medical Engineering & Physics* 22 (2000).
130. GREAVES, RRS, AGARWAL, A, PATCH, D, DAVIES, SE, SHERMAN, D, REYNOLDS, N, **ROLLES, K.**, DAVIDSON, BR, BURROUGHS, AK (2001)
Inadvertent diclofenac challenge from generic and non-generic prescribing, leading to liver transplantation for fulminant liver failure. *Eur J Gastroenterol Hepatol* 13:71-73, 2001.

131. CHAU, TN, QUAGLIA, A, **ROLLES, K**, BURROUGHS, AK, DHILLON, AP (2001) Histological patterns of rejection using oral microemulsified cyclosporine and tacrolimus (FK506) as monotherapy induction after orthotopic liver transplantation. *Liver* 27, 2001.
132. RATCLIFFE, J, YOUNG, T, BUXTON, M, ELDABI, T, PAUL, R, BURROUGHS, A, PAPTAEODORIDIS, G, **ROLLES, K** (2001) A Simulation Modelling Approach to Evaluating Alternative Policies for the Management of the Waiting List for Liver Transplantation. *Health Care Management Science* 4, pp 117-124, 2001.
133. PAPTAEODORIDIS, G, DAVIES, S, DHILLON, AP, TEIXEIRA, R, GOULIS, J, DAVIDSON, B, **ROLLES, K**, DUSHEIKO, G, BURROUGHS, A (2001) The role of different immunosuppression in the long-term histological outcome of HCV reinfection after liver transplantation for HCV cirrhosis. *Transplantation*, Vol 72, No3, pg 1, 2001.
134. HARTLEY, P, PETRUCKEVITCH, A, REEVES, B, **ROLLES, K** (2001) The National Liver Transplantation Audit: an overview of patients present for liver transplantation from 1994 to 1998. *British Journal of Surgery*, 88, pp 52-58, 2001.
135. NAGRAL, A, QUAGLIA, A, SABIN, CA, DHILLON, AP, BEARCROFT, CP, MILLAR, A, DAVIES, SE, MISTRY, PK, DAVIDSON, BR, **ROLLES, K**, BURROUGHS, A (2001) Blood and Graft Eosinophils in Acute Cellular Rejection of Liver Allografts. *Transplantation Proceedings* 33, pp 2588-2593, 2001.
136. LIATSOS, C, VLACHOGIANNAKOS, J, PATCH, D, TIBBALLS, J, WATKINSON, A, DAVIDSON, B, **ROLLES, K**, BURROUGHS, A (2001) Successful recanalization of portal vein thrombosis before liver transplantation using transjugular infrahepatic portosystemic shunt. *Liver Transplantation*, Vol 7, No 5 (May), pp 453-460, 2001.
137. PASTACALDI, S, TEIXEIRA, R, MONTALTO, P, **ROLLES, K**, BURROUGHS, A (2001) Hepatic artery thrombosis after orthotopic liver transplantation: a review of non-surgical causes. *Liver Transplantation*, Vol 7, No 2 (February), pp 75-81, 2001.
138. DAVIDSON, BRIAN, BURROUGHS, AK, **ROLLES, K**. Routine Endoscopic Retrograde Cholangiography in the Detection of Early Biliary Complications Following Liver Transplantation. *Liver Transplantation*, 2002
139. CHANGANI, K.K., BELL, J.D., DAVIDSON, B., **ROLLES, K.**, FULLER, B.J. The Use of Whole-Organ Magnetic Resonance Spectroscopy at Hypothermia to Assess the Status of Donor Livers: A Pilot Study in the Clinical Setting *Cell Preservation Technology*: Vol 1.105—109, 2002

- 140 O GRADY, J.G., BURROUGHS, A., HARDY, P., ELBOURNE, D., TRUESDALE, A., and **the UK and Republic of Ireland Liver Transplant Study Group**. Tacrolimus versus microemulsified ciclosporin in liver transplantation: the TMC randomised controlled trial. *The Lancet*, Vol.360, 1119—1125, 2002.
- 141 BARNES, E. J., ABDEL-REHIM, M.M., GOULIS, Y., ABOU RAGAB, M., DAVIES, S., DHILLON, A., DAVIDSON, B., **ROLLES, K.** and BURROUGHS, A. Applications and limitations of blood eosinophilia for the diagnosis of acute cellular rejection in liver transplantation. *American Journal of Transplantation* 3[4], 432-438, 2003.
- 142 EL WAHSH, M., FULLER, B., DAVIDSON, B., and **ROLLES, K.** Hepatic cold hypoxia and oxidative stress: Implications for ICAM-1 expression and modulation by glutathione during experimental isolated liver preservation. *Cryobiology* 47[2], 165-173, 2003.
- 143 GUNSAR, F., ROLANDO, N., PASTACALDI, S., PATCH, D., RAIMONDO, M.L., DAVIDSON, B., **ROLLES, K.**, and BURROUGHS, A.K., Late hepatic artery thrombosis after orthotopic liver transplantation. *Liver Transplantation* 9[6], 605-611, 2003.
- 144 RAIMONDO, M.L., DAGHER, L., PAPTAEODORIDIS, G.V., ROLANDO, N., PATCH, D.W., DAVIDSON, B.R., **ROLLES, K.**, and BURROUGHS, A.K., Long-term mycophenolate mofetil monotherapy in combination with calcineurin inhibitors for chronic renal dysfunction after liver transplantation. *Transplantation* 75[2], 186-190, 2003.
- 145 SELDON, C., CHALMERS, S.A., JONES, C., STANDISH, R., QUAGLIA, A., ROLANDO, N., BURROUGHS, A.K., **ROLLES, K.**, DHILLON, A., and HODGSON, H.J.F. Epithelial colonies cultured from human explanted liver in subacute phenotypic markers. *Stem Cells* 21[6], 624-631, 2003.

Chapters in books

- 146 **ROLLES, K.**, CALNE, R.Y. Perspectives of Liver Transplantation in Cambridge. *Proceedings: International Symposium of Artificial Liver Support. Celle 1980.* (Eds. Brunner, G. And Schmidt, F.W.) Pub. Springer Verlag, Heidelberg.
- 147 **ROLLES, K.** (1983) Donor Operation and Preservation of Liver. In *Liver Transplantation* (Ed. R.Y.Calne) p 105-121, Grune and Stratton.
- 148 **ROLLES, K.** (1983) Early Biliary Tract Complications.

- In Liver Transplantation (Ed. R.Y. Calne) 319-327, Grune and Stratton.
- 149 **ROLLES, K., CALNE R.Y.** (1984) Liver Transplantation. In Transplantation Immunology (Ed, R.Y. Calne) Part IV, Section 24, Oxford University Press, 436-451.
- 150 **ROLLES, K., CALNE, R.Y.** (1984) Developments and Limitations in Liver Preservation. In Transplantation and Blood Transfusion. Eds. C. Th. Smit Sibinga, P.C. Das and G. Opelz. Pub. Martinus Nijhoff, Boston, pp 141-144.
- 151 **ROLLES, K.** (1987) Pancreatic and Islet Cell Transplantation. In “ Clinical Transplantation”: Current Practice and Future Prospects, MTP Press Ltd. Ed. G.R.D. Catto, Section 11, 233-244.
- 152 **ROLLES, K.** (1987) Current Status of Liver Transplantation. Cyclosporin Quarterly, Vol. 3, No. 2. June 1987 (leading article).
- 153 **ROLLES, K.** (1987) Biliary Tract Complications. In “Liver Transplantation” Second Edition, Ed. By Sir Roy Calne, pub. By Grune and Stratton, Part VI (33) 473-483
- 154 **ROLLES, K.** and JAMIESON, N.V. (1987) Donor Operation and Preservation of the Liver. In “Liver Transplantation” Second Edition, Ed. By Sir Roy Calne, pub. by Grune and Stratton, part III (14) 141-156
- 155 **ROLLES, K.** (1989) Summary of Clinical Data: Liver Transplantation in “Organ Transplantation: Current Clinical and Immunological Concepts”, Ed. L. Brent and R.A. Sells, pub Balliere Tindall.
- 156 **ROLLES K.** (1997)
 “Liver Transplantation for Cancer” (Chapter)
 “Liver Cancer” - EDS Okuda, K. and Tabor, E.
 Publ. - Churchill-Livingston, London.
- 157 **ROLLES K.** (1994)
 Transplantation (chapter) General Surgical Operations.
 Ed. Kirk RM., Publ. Longmans Singapore p. 765-779.
- 158 **ROLLES, K.** (2000) Transplantation (chapter), General Surgical Operations, 4th Edition, Ed. Kirk R M, Pub Churchill Livingstone p. 597-612.
- 159 CALNE, R.Y., **ROLLES, K.**, WHITE, D.J.G., THIRU, S., EVANS, D.B., McMASTER, P., (1981) Cyclosporin A in Organ Transplantation. Advances in Nephrology, Vol 10 (Ed. Maxwell, M.H.) Year Book Medical Publishers.
- 160 CALNE, R.Y., McMASTER, P., **ROLLES, K.**, and DUFFY, T.J. (1982) Observations on Pancreatic Blood Flow. In Transplantation of the Pancreas, Ed. J. Traeger and J.M. Dubernard. Grune and Stratton, New York.

- 161 BURROUGHS, A.K., **ROLLES, K.** (1990) Liver Transplantation: Chapter in Recent Advances in Gastroenterology 8, Ed. Pounder, R.E., pub. Churchill-Livingston.

Other Publications

- 162 **ROLLES, K.** (1981) Liver Transplantation. Cambridge Medicine, 1, 12-15.
- 163 **ROLLES, K.** (1985) The Role of Oxygen in the Preservation of Ischaemically Injured Kidneys. M.S. Thesis. University of London.
- 164 **ROLLES, K.** (1985) The Post Transplant Patient: What is the GPs Role? Medical Dialogue, 32, 10th Jan 1985.
- 165 **ROLLES, K.** (1986) Management of the Multiple Organ Donor. Hospital Update, Vol, 12, No 8 (633-636)
- 166 **ROLLES, K.** (1987) Liver Transplantation for Hepatic Malignancy in Europe. Proceedings of 2nd International Symposium of the Japanese Society of Gastroenterology. New Trends in Gastroenterology.
- 167 CALNE, R.Y., WHITE, D.J.G., THIRU, S., EVANS, D.B., McMASTER, P., DUNN, D.C., CRADDOCK, G.N., and **ROLLES, K.**, (1980) Cyclosporin A in Clinical Kidney Grafting from Cadaver Donors. Transplantation and Clinical Immunology XI, Symposium Foundation Merieux 3, Excerpta Medica, Amsterdam, 48-53
- 168 CALNE, R.Y., **ROLLES, K.**, WHITE, D.J.G., THIRU, S., EVANS, D.B., McMASTER, P., DUNN, D.C., CRADDOCK, G.N., HENDERSON R.G., AZIZ S. Et LEWIS. P. (1980) La Cyclosporine a en Transplantation D'organe. Actualites Nephrologiques de L'hospital Necker, 315-327

- 169 McMASTER, P., BUCKELS, J., GIBBY, O., MICHALE, J., GILLETTE, A., McCOLLUM, C., EZZIBDEH, M., GANNON, M., CHAMBERLAIN, M., CALNE, R.Y., **ROLLES, K.**, EVANS, D.B., THIRU, S. AND duffy, t.j. (1982) Combined Renal and Pancreas Transplantation with Cyclosporin A. In "Cyclosporin A". Proceedings of an International Symposium on Cyclosporin A. 453-460. Elsevier Biomedical Press, Amsterdam.

Invited Lectures

1980

Symposium on Artificial Liver Support
 "Perspective of Liver Transplantation in Cambridge" Celle, Hannover

Spanish Transplantation Society
 "Liver Transplantation Overview" Barcelona

Symposium on Surgery for Benign Liver Disease
 "Resection and Biliary Bypass, Indications and Techniques" Elche

Sandoz Symposium on Cyclosporin
 "Experience with Cyclosporin in Organ Transplantation" Barcelona

1981

Universita Di Genoa
 "Current Status of Liver Transplantation" Genoa

1982

Universidad De Zaragoza
 "Current Status of Liver Transplantation" Zaragoza

Hospital "La Paz"
 "Liver Surgery and Transplantation - Current Status" Madrid

1983

1st International Symposium on Cyclosporin
 "Conversion Problem: Azathioprine to Cyclosporin" Huston

"Hospital Militar"o
 "Current Status of Liver Transplantation" Madrid

National Institutes of Health Consensus Conference on Liver
 Transplantation Bethesda
 "Liver Transplantation - The Cambridge Experience"

1983 European Association for the Study of the Liver “Perioperative Problems in Liver Transplantation”	<u>Southampton</u>
<u>1984</u>	
Universita Cattolica and Gimelli Clinic “Liver Transplantation in the Cyclosporin Era”	<u>Rome</u>
<u>1985</u>	
Hospital Clinic I Provincial “Liver Transplantation - Current Status”	<u>Barcelona</u>
Universita Di Genoa “Liver Transplantation for Acute Liver Failure”	<u>Genoa</u>
University of Florida Symposium on Cyclosporin “Seven Years Experience Cyclosporin in Organ Grafting”	<u>West Palm Beach</u>
Mc.Gill University “Organ Grafting under Cyclosporin Immunosuppression”	<u>Montreal</u>
Pancreatic Society “Current Status of Pancreas Transplantation”	<u>Bristol</u>
Hopital Pasteur “Pancreas Transplantation - The Cambridge Series” “Renal Transplantation - The Cambridge Series”	<u>Nice</u>
<u>1986</u>	
Universita Cattolica “Technical Aspects of Liver Transplantation”	<u>Rome</u>
“European Liver Club” “Preservation Techniques in Liver Transplantation”	<u>Capri</u>
Universita Di Piacenza “Surgical Management of Liver Tumours”	<u>Piacenza</u>
British Diabetic Association “Pancreas Transplantation Today”	<u>Sheffield</u>

1987

“Hospital 12 Octobre” “Current Status of Liver Transplantation”	<u>Madrid</u>
Women and Children’s Hospital “Liver Transplantation Today”	<u>Tokyo</u>
Kitasato Institute “The Indications for Liver Transplantation”	<u>Tokyo</u>
Shimane University “Organ Transplantation in Cambridge”	<u>Izumo</u>
Oita University “21 Years of Liver Transplantation in Cambridge”	<u>Oita</u>
Japanese Society of Gastroenterology “Liver Transplantation for Hepatic Malignancy in Europe”	<u>Kofu</u>

1988

University of Nantes “Immunosuppression for Liver Transplantation”	<u>Nantes</u>
Transplantation Society Educational Course “Organ Procurement”	<u>Sydney</u>

1989

Sri Lankan Medical Association “Current Status of Liver Transplantation”	<u>Colombo</u>
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1990

“Annual Combined Surgical Meeting” “Trends in the Royal College of Surgeons of England” “Renal Transplantation in Children” “Liver Transplantation in Children”	<u>Singapore</u>
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1991

“Ivor Lewis” Lecture - North Middlesex Hospital “Trends in Organ Transplantation”	<u>London</u>
Universita Di Napoli “Blood Loss and Replacement in Liver Transplantation”	<u>Naples</u>
Liver Intensive Care Group of Europe Congress	

“Rejection in Liver Allografts - Clinical and Pathological Aspects” Rome

1992

Advanced Course in Hepatobiliary Surgery - Royal Postgraduate
Medical School

“Donor Organ Procurement for Transplantation” London

1994

Advanced Course in Hepatobiliary Surgery -Royal Postgraduate
Medical School

“Liver Transplantation for Cancer” London

Sindh Institute of Urology and Transplantation
1st International Symposium

“Liver Transplantation - Current Status” Karachi

Royal Society of Medicine - Section of Transplantation

“Donor Bone Marrow and Donor Specific Tolerance” London

1995

Congress of the International Liver Transplant Society
“Chimaerism and Tolerance”

London

1996

Advanced Course in Hepatobiliary Surgery
Royal Postgraduate Medical School

“Donor Organ Allocation and Retransplantation” London

Polish Transplantation Society

“Techniques and Results of Liver Transplantation” Posnan

Sindh Institute of Urology and Transplantation
2nd International Symposium

“Advances in Transplantation for Hepatitis B related
Liver Disease”

“Liver Transplant for Cancer” Karachi

1997

Universita Di Firenze

Symposium on Complications of Cirrhosis

“Donor Organ Allocation and Retransplantation of the Liver” Elba

1998

American University of Beirut
XXXIIIrd Middle East Medical Assembly
“How to set up a new liver transplant programme”

Beirut

6th Congress of the Middle East Society for Organ
Transplantation – “Liver transplantation across the ABO carrier”
3rd International Symposium of the Sindh Institute of
Urology and Transplantation – “Neoral versus Tacrolimus
monotherapy in liver transplantation”

Karachi - Pakistan

Congress on “New Dimensions in Transplantation”
“Neoral versus Tacrolimus Monotherapy in Liver
Transplantation”

Florence, Italy

2001

7th Congress of the Middle East Society for Organ
Transplantation.
4th International Symposium of the Sindh Karachi-Pakistan
Institute of Urology and Transplantation.

Karachi - Pakistan

Spanish Transplantation Society – “The TMC study”

Madrid