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**REFEREES**

1. Professor Roberto J Groszmann  
Medical Service  
West Haven Veterans Administration Medical Centre  
Yale University School of Medicine  
West Spring Street  
West Haven  
Connecticut 06516  
USA
  
2. Professor Juan Rodes  
Hospital Clinic I Provincial de Barcelona  
Villarroel  
170-08036 Barcelona  
SPAIN
  
3. Professor Neil McIntyre  
Emeritus Professor of Medicine  
University Department of Medicine  
Royal Free Hospital and University College School of Medicine  
Pond Street  
Hampstead  
LONDON NW3 2QG  
UNITED KINGDOM
  
4. Professor Oliver James  
School of Clinical Medical Sciences  
Floor 4 William Leech Building  
The Medical School  
Framlington Place  
Newcastle upon Tyne NE2 4HH

**PERSONAL DETAILS**

NAME: Andrew Kenneth **BURROUGHS**

DATE OF BIRTH: 26th May, 1953, Beckenham, Kent

Work: Liver Transplantation and Hepato-biliary Medicine  
Royal Free Hospital  
Pond Street  
Hampstead  
London NW3 2QG

NATIONALITY: British

MARITAL STATUS: Married, three children

**GMC NUMBER:** 2312347

**EDUCATION**

1958-66 Overseas School of Rome, Rome, Italy

1966-71 Kent College, Canterbury, Kent

1971-76 School of Medicine, University of Liverpool

**HONOURS**

Cavaliere Ufficiale dell'Ordine al Merito della Repubblica Italiana  
- Conferred June 1989

**AWARDS**

C Merit Award - conferred May 1993

B Distinction Award - conferred November 1999

**UNDERGRADUATE AWARDS AND SCHOLARSHIPS****2nd MB ChB (1973)**

Distinction in Anatomy

Distinction in Biochemistry

## Distinction in Physiology

Lyon Jones Senior Scholarship	1972-74	(best 2nd MB results)
Bromley Undergraduate Scholarship	1972-74	
Robert Grieve Memorial Prize	Anatomy	
Augusta Lipkin Prize	Biochemistry	
George Holt Bronze Medal	Physiology	
Winifred Ladds Travel Scholarship	November 1984	

**Final MB ChB with Honours (1976)**

Owen T Williams Prize	1976 (top graduate)
Distinction in Obstetrics and Gynaecology	
J Hill Abram Prize	Medicine
Henry Briggs Memorial Prize	Obstetrics and Gynaecology
William James Eastwood Prize	Orthopaedic Surgery

**DEGREES AND DIPLOMAS**

Educational Certificate for Foreign Medical Graduates (E.C.F.M.G.)		Jan 1976
Bachelor of Medicine and Surgery with Honours	MBChB Honours	July 1976
Member of the Royal college of Physicians	MRCP (UK)	July 1978
Fellow of the Royal College of Physicians	FRCP (London)	April 1991
Fellow European Board of Gastroenterology	FEBG	June 1999

**ACCREDITATION (Specialist Training)**

General (Internal) Medicine	November 1986
Gastroenterology (and Hepatology)	November 1986
Certificate of Training for Radiation (Medical exposures)	October 1989
NIH Training Course on the Protection of Human Research Subjects (Computer Based)	December 2000

Clinical Directors Management Course (King's Fund) - completed

November 2002

**CURRENT APPOINTMENT**

Dec 1993  
to present                    **Consultant Physician and Hepatologist**  
Royal Free Hampstead NHS Trust

October 2002  
to present                    **Professor of Hepatology** at Royal Free and University College School  
of Medicine, University College London, University of London

**PREVIOUS APPOINTMENTS**

Sept 1976/77                **House Surgeon**  
Walton Hospital, Liverpool  
Consultants: Mr R Downie, Mr J Littler

Feb-Sept 1977              **House Physician**  
Walton Hospital, Liverpool  
Consultants: Dr R Walker, Dr D Owen, Dr I Browne

Sept 1977/78               **Senior House Officer in Medicine**  
Broadgreen Hospital, Liverpool  
Consultants: Dr B Walker, Dr T Honey

Feb-Sept 1978              **Senior House Officer in Medicine**  
Broadgreen Hospital, Liverpool  
Consultants: Dr T Bayley, Dr RB McConnell,  
Professor D Price-Evans

Oct-Nov 1978               **Locum Senior Registrar in Gastroenterology**  
Broadgreen Hospital, Liverpool  
Consultant: Dr RB McConnell

Jan 1979-Mar 81            **Registrar in General Medicine and Gastroenterology**, Royal  
Free Hospital, London  
Consultant: Professor Dame Sheila Sherlock

Apr 1981-Oct 83            **Honorary Lecturer**, Academic Department of Medicine,  
Royal Free Hospital School of Medicine, London  
Consultant: Professor Dame Sheila Sherlock

Oct 1983-Dec 87            **Lecturer in Medicine/Honorary Senior Registrar**, Royal  
Free Hospital and School of Medicine  
Head of Department: Professor N McIntyre

Jan 1988  
to Nov 1993                **Senior Lecturer in Medicine and Honorary Consultant  
Physician**, Royal Free Hospital and School of Medicine  
  
Head of Department: Professor N McIntyre

**POSTS HELD IN MEDICAL AND OTHER ORGANISATIONS**

Scientific Secretary, (Chief Executive Officer) European Association for the Study of the Liver	1997-1999
Member of the European Association of the Study of the Liver Scientific Committee	1996-1999
Administrative secretary, European Association for the Study of the Liver	1999-2001
Council Member United European Gastroenterology Federation	1998-2002
Council Member International Association for the Study of the Liver	1998-2002
<b>Council Member International Liver Transplantation Society</b>	<b>2004-2008</b>
<b>MRC Advisory Board (renewed 2001)</b>	<b>1997 and current</b>
<b>Liver Advisory Group (UK Transplant)</b>	<b>2002 and current</b>
<b>Member of Council of the British Society of Gastroenterology</b>	1992 to 1995 <b>2004-2007</b>
Council Member Section of Transplantation Royal Society of Medicine	1998-2001
<b>Member of North Thames (East) Gastroenterology Calman Training Committee</b>	1996 to 1998 1999 and current
<b>Committee Member Liver Section British Society of Gastroenterology</b>	1990,1991 <b>2004-2007</b>
<b>Chairman Liver Section British Society of Gastroenterology</b>	<b>2004-2007</b>
Director British Postgraduate Medical Federation Course in Gastroenterology	1993 to 1996
Chairman, Liver Section British Society of Gastroenterology	1991-1993
Member Organizing Committee for European Association for the Study of the Liver 1997 London meeting	1994 to 1996
<b>Medical Advisor, PBC Liver Foundation Trustee – British Liver Trust</b>	<b>1997 and current 2004-2007</b>

Press Officer - British Digestive Foundation	1989-1991
Committee Member British Association for the Study of the Liver	1989-1992
Steering Committee European Association of Gastroenterological Emergencies	1987-1992
Royal College of Physicians/British Society of Gastroenterology	
Audit Committee on Liver Biopsy	1990, 1991
British Society of Gastroenterology/National Health Executive Group Case Mix Group	1991-1996
British Society of Gastroenterology "Cochrane group" subcommittee	1993-1997
External Examiner Final MB Liverpool	1990-1992
External Examiner PhD Thesis, Southampton	1993
External Examiner MD thesis Leuven, Belgium	1994
External Examiner MD theses, London	1996, 1997, 2001
External Examiner MD thesis, Edinburgh	1997
<b>Member of International Autoimmune Hepatitis Group</b>	<b>1993 to present</b>

#### **MEMBERSHIP OF LEARNED SOCIETIES**

International Liver Transplantation Society	(ILTS)
International Association for the Study of the Liver	(IASL)
European Association for the Study of the Liver	(EASL)
American Association for the Study of the Liver	(AASLD)
British Association for the Study of the Liver	(BASL)
British Society of Gastroenterology	(BSG)
European Society for Organ Transplantation	(ESOT)
European Liver Transplantation Association	(ELTA)
European Association of Gastroenterological Emergencies	(EAGEM)

Royal Society of Medicine

International Society of Digestive Endoscopy and Radiology

Honorary Membership of the North Italian Endoscopic Club

Corresponding Member of the Argentinian Society of Gastroenterology

Honorary Member Argentinian Society for the Study of the Liver

Corresponding Member of the Italian Society of Gastroenterology

**Member of the Scientific Consultation Committee of the Italian Liver Foundation** **November 1998- to present**

Member Public Affairs Committee United European Gastroenterology Federation April 2001- 2003

#### **LECTURES BY INVITATION**

- |  |   |                         |
|--|---|-------------------------|
| Royal College of Physicians of London  | - | London<br>December 1981 |
| International Symposium on Variceal Bleeding,<br>Royal Society                                       | - | London<br>January 1982  |
| Symposium on Variceal Haemorrhage,<br>(as invited panellist) World Congress of<br>Gastroenterology   | - | Stockholm<br>June 1982  |
| Teach-In on Problem Orientated Medical<br>Records, Ospedale Cardarelli                               | - | Naples<br>May 1982      |
| 2nd International Course on Clinical Hepatology<br>(co-organiser)                                    | - | Naples<br>October 1983  |
| 4th International Conference of Gastroenterology<br>"Problems and Controversies in Gastroenterology" | - | Bolzano<br>May 1984     |
| Topics in Gastroenterology   | - | Pavia<br>May 1985       |
| Digestive Haemorrhage in Patients with Liver<br>Cirrhosis  | - | Padova<br>May 1985      |
| Anglo-Italian Days in Gastroenterology "Present<br>position on sclerotherapy of oesophageal varices" | - | Capri<br>October 1985   |
| International Symposium on Prophylaxis of<br>variceal bleeding                                       | - | Munich<br>January 1986  |
| International Symposium: Topics, controversies and<br>new trends in gastroenterology                 | - | Varese<br>February 1986 |

The London Gastrointestinal Science Group	-	London April 1986
Current Topics in Gastroenterology	-	Como May 1986
Medical Surgical Society of Brescia	-	Brescia January 1987
Italian Society of Gastrointestinal Endoscopy	-	Milan February 1987
North Italian Endoscopic Club	-	Padova February 1987
International Symposium on Vasopressin Analogues and Portal Hypertension	-	Paris April 1987
Italian Society of Gastrointestinal Endoscopy (Sezione Triveneta)	-	Venice May 1987
Surgery in Europe 1987	-	Rome May 1987
1st International Congress on Video Gastrointestinal Endoscopy	-	Milan June 1987
International Symposium on Variceal Bleeding (under the auspices of the Argentinian Society of Gastroenterology)	-	Buenos Aires July 1987
Argentinian Society of Gastroenterology	-	Buenos Aires July 1987
Joint Meeting Austrian and German Societies for Gastroenterology	-	Salzburg Sept 1987
National Meeting of the North Italian Endoscopic Club	-	Elba October 1987
The Andre Viallet Workshop on the Haemodynamic aspects of Liver Disease	-	Montreal October 1987
Annual International Liver Update, Royal Free Hospital	-	London 1982-1998
British Postgraduate Medical Federation annual course in Gastroenterology	-	London 1982-1998
British Postgraduate Medical Federation annual course in	-	London

Liver Disease		1985-1994
British Society of Gastroenterology Endoscopy Course	-	London June 1987
Haemostasis in Gastroenterology and Hepatology	-	Houthalen November 1987
International Workshop on Variceal Bleeding	-	Erice November 1987
Asian Pacific Association for the Study of the Liver - Faculty member	-	New Delhi Feb 1988
International Liver Update	-	Chandigarh Feb 1988
Indian Academy of Gastroenterology First National Congress	-	Jaipur Feb 1988
Animal Models of Portal Hypertension Symposium	-	New Delhi Feb 1988
Danish Association for the Study of the Liver	-	Copenhagen April 1988
International Workshop on Variceal Bleeding	-	Erice May 1988
Primary Prophylaxis of Variceal Bleeding	-	Leuven Aug 1988
World Congress of Gastroenterology	-	Rome
- Working Party on Portal Hypertension	-	Sept 1988
- Symposium No 6 - Portal Hypertension	-	Rome Sept 1988
- Propranolol and Portal Hypertension	-	Rome Sept 1988
European Association of Gastrointestinal Emergencies and Intensive Care	-	Rome Sept 1988
Serono Symposium on Variceal Bleeding	-	London Sept 1988
International Symposium on Cirrhosis (National Association of Autonomous Italian Hospitals)	-	Como Oct 1988
International Portal Hypertension Symposium	-	Cordova Oct 1988

- Liver Update - Ospedale Pediatrico Gesu Bambino - Rome  
Dec 1988
- International Symposium on Therapy in Liver Disease - Milan  
Feb 1989
- Advances in the Pathophysiology and Therapy of Portal Hypertension - Barcelona  
March 1989
- International Upper Gastro-intestinal bleeding Symposium - Tübingen  
W. Germany  
March 1989
- ICI Beta-blockers and symposium on Portal Hypertension - Edinburgh  
April 1989
- Faculty member Postgraduate Course American Gastroenterology Association - Washington DC  
May 1989
- International Symposium on Therapy of Biliary Disease - London  
June 1989
- Association of Italian Hospital Specialists in Gastroenterology - Capri  
October 1989
- International Symposium on Emergencies in Gastroenterology, Ospedale Figlie di San Camillo - Rome  
October 1989
- International Symposium on Portal Hypertension and Liver Transplantation - Naples  
November 1989
- British Society of Gastroenterology Teaching Day on Liver Surgery - Warwick  
March 1990
- Live Endoscopy in Europe - Milan  
March 1990
- International Consensus Workshop on Portal Hypertension - Baveno, Italy  
April 1990
- Advanced Therapeutic Endoscopy Symposium - Derby  
May 1990
- Systemic Regional Haemodynamics in Liver Disease - Bari, Italy  
June 1990
- Practical Developments in Clinical Gastroenterology. The Second Duke Anglo-American Conference - London  
September 1990
- British Society of Gastroenterology Teaching Day on New Therapies in Gastroenterology - Southampton  
September 1990

International Society of Digestive Endoscopy and Radiology (SIMER) integrated with the "Far East program" of Europe - Intensive Course of Endoscopy	-	Strasbourg September 1990
Therapie probleme in der Gastroenterologie und Hepatologie	-	Munich October 1990
Italian Association Hospital Gastroenterologists	-	Cosenza October 1990
73rd Gastroenterology course of the Hospital de la Santa Creu i Sant Pau	-	Barcelona November 1990
Selection for Liver Transplantation Royal Society of Medicine Pathology section	-	London November 1990
International Meeting on Liver and Kidney Disease	-	Florence December 1990
International Workshop on Meta-analysis Variceal Bleeding and Viral Hepatitis	-	Erice December 1990
Haemostasis Course for Diploma in Haematology	-	London December 1990
Post-graduate specialist gastroenterology course	-	Padova January 1991
Surgery in Europe 1991. Problems in Liver and Pancreatic Surgery	-	Rome May 1991
Gastroenterology Symposium	-	Antwerp May 1991
Gut Club Meeting Oxford Region	-	Oxford June 1991
International Postgraduate Course on Therapy in Liver Disease (European Association for the Study of the Liver)	-	Palma de Mallorca September 1991
Satellite Symposium on Portal Hypertension	-	Palma de Mallorca September 1991
Sandostatin: State of the Art 1991	-	Montecarlo October 1991
French Association for the Study of the Liver	-	Toulouse October 1991

Gastroenterology Update	-	Brescia October 1991
Somatostatin Symposium	-	Brussels November 1991
Gastroenterology Symposium	-	Varese January 1992
Royal College of Physicians of London Advanced Medicine Conference	-	London February 1992
Gastroenterology Symposium - Medical Surgical Society of Lucca	-	Lucca February 1992
Methylation in Liver Disease	-	Sierra Nevada March 1992
Gastroenterology Symposium	-	Grimsby March 1992
2nd International Symposium on Therapy in Liver Diseases	-	Milan April 1992
Obstetric Anaesthesia Association	-	Wales Llandudno April 1992
14th Hepatology Post-graduate course	-	Florence May 1992
Gastroenterology Update	-	Bologna May 1992
New Italian Endoscopic Club 3rd International Symposium	-	Milan September 1992
World Congress of Gastroenterology Chairman of Working Team Report on Acute Variceal Bleeding	-	Athens September 1992
Postgraduate meeting	-	Singapore October 1992
Gastroenterological Society of Singapore	-	Singapore October 1992
The Society of Gastroenterology and Hepatology of Malaysia	-	Kuala Lumpur October 1992
College of Surgeons of Malaysia	-	Penang October 1992
6th International course on		

Therapeutic Endoscopy	-	Toronto October 1992
75th Post-graduate course in Gastroenterology Escuela de Patologia Digestiva	-	Barcelona October 1992
Intensive Care Conference-Belgian Society of Intensive care	-	Ghent November 1992
Postgraduate course Obstetric Anaesthesia and Analgesia	-	London November 1992
Update on Therapy in Gastroenterology	-	Bonn December 1992
Octreotide Symposium	-	Birmingham December 1992
Diploma in Haematology Course	-	London December 1992
4th International Update on Liver Disease	-	Naples January 1993
TIPS International Symposium	-	Toulouse February 1993
Symposium on hepatitis C and E	-	London February 1993
BASL Symposium on Portal Hypertension Ralph Wright Lecture 1993	-	London February 1993
Gastroenterology Symposium	-	Basle March 1993
Gastroenterology Post-graduate meeting	-	Barcelona March 1993
Gastroenterology Society of Hong Kong	-	Hong Kong March 1993
Gastroenterology Symposium on Octreotide	-	Peking March 1993
Shanghai Institute of Digestive Diseases	-	Shanghai March 1993
Surgical Society of Gastroenterology, ROC	-	Taiwan March 1993
Bangkok Gastroenterology Club	-	Bangkok March 1993

15th Hepatology Post-graduate Course	-	Florence May 1993
Boston Inter-Hospital Liver Group	-	Boston June 1993
British Association of Critical Care Nurses Liver Transplantation Study Day	-	London June 1993
Gastroenterology : Frontiers for the future	-	London June 1993
2nd United European Gastroenterology Week	-	Barcelona July 1993
Presidents Pre-meeting - Portal Hypertension European Association for the Study of the Liver	-	Paris September 1993
Gastroenterology Symposium	-	Bologna September 1993
Symposium on Liver Transplantation	-	Ferrara October 1993
Cochrane Centre Symposium (Meta-analysis clinical trials)	-	Copenhagen October 1993
American Association for the Study of the Liver-AASLD Post-graduate Course	-	Chicago November 1993
Management of Peri-operative Complications in Gastrointestinal Surgery	-	Los Angeles November 1993
BPMF postgraduate gastroenterology course	-	London November 1993
BPMF liver course	-	London December 1993
Oxford-post-graduate gastroenterology course	-	Oxford January 1984
Asian-Pacific Association for the Study of the Liver Post-graduate course	-	Kuala Lumpur January 1994
Symposium on Octreotide in Gastroenterology	-	Ho Chi Min City January 1994
Thai National Gastroenterology Association	-	Bangkok January 1994

Post Graduate Lecture	-	Ashford Hospital February 1994
TIPS symposium	-	London March 1994
International Association for the Study of the Liver	-	Cacun May 1994
Post-graduate Lecture	-	Barnet Hospital May 1994
International Liver Transplantation Symposium	-	Milan June 1994
Falk Symposium on Portal Hypertension	-	Freiberg June 1994
President's meeting European Association for the Study of the Liver (29th)	-	Athens September 1994
Symposium on Liver Transplantation British Society of Gastroenterology	-	Edinburgh September 1994
10th World Congresses of Gastroenterology	-	Los Angeles October 1994
Management of Perioperative Complications in Gastrointestinal Surgery	-	Los Angeles October 1994
Symposium on Renal Disease Clinico-Pathological Conference	-	Florence November 1994
John Radcliffe Hospital	-	Oxford November 1994
GP Transplant Study Day	-	Royal Free Hospital November 1994
Symposium on Octreotide	-	Hammersmith Hospital December 1994
Viral Hepatitis Peer Group Viral Hepatitis and Transplantation	-	London December 1994
International Meeting on Pulmonary Manifestations of Systemic Disorders	-	Florence January 1995
MSc Medical Immunology Course	-	London February 1995
International Meeting on Therapy	-	Barcelona

in Liver Diseases		March 1995
Postgraduate course in Gastroenterology	-	Bonn March 1995
Royal College of Physicians Teach In Acute and chronic viral hepatitis	-	London March 1995
Falk Symposium on Advances in Hepatobiliary and Pancreatic Diseases	-	Bolzano April 1995
Methodology, Clinical Trials and Meta-Analysis in Portal Hypertension	-	Baveno April 1995
3rd United European Gastroenterology Week	-	Berlin September 1995
GP 2000 Symposium	-	Viareggio September 1995
XVIIth National Hepatology Week	-	Florence October 1995
Public lecture	-	Montecatini October 1995
Basle Liver Week. Surrogate Markers in liver disease conference	-	Basle October 1995
Vth conference in New Therapies and Developments in Liver Disease	-	Padova October 1995
Regional Meeting of the Italian Society of Gastrointestinal Endoscopy	-	Campbasso October 1995
IVth International Symposium on Liver Transplantation	-	November London 1995
Hong-Kong Association for the Study of the Liver	-	Hong Kong December 1995
British Postgraduate Medical Federation Liver Course	-	London December 1995
Advanced Medicine Conference Royal College of Physicians London	-	London February 1996
Post-graduate meeting gastroenterology	-	Genova March 1996
Endoscopy Symposium, British Society of Gastroenterology	-	March 1996

Italian Society for General Medicine 26th week of update in medical therapy	-	Montecatini May 1996
GP Postgraduate Lecture	-	St Albans June 1996
Liver Microcirculation in Liver, Health and Disease, portal hypertension and variceal bleeding Symposia - American Association for the Study of Liver Disease	-	Washington DC June 1996
XVIIth National Hepatology Week	-	Florence September 1996
EASL postgraduate Teaching Course	-	Geneva August 1996
GP Liver Transplant Training Day	-	London September 1996
Macedonian Society of Gastroenterology and Hepatology	-	Skopje Macedonia September 1996
National Association of Chemical Pathologists	-	London October 1996
Falk Symposium on TIPS: State of the art lecture	-	Freiberg October 1996
International Symposium on TIPS - techniques and indications in portal hypertension	-	Milan October 1996
UEGW - TIPS symposium	-	Paris November 1996
International Symposium on hepatitis C	-	Forli December 1996
Liver Course (BPMF)	-	London December 1996
Diploma of Haematology - Haemostasis Lecture	-	Hammersmith December 1996
Oxford 25th Gastroenterology Course	-	Oxford January 1997
International Symposium on therapy in liver disease	-	Paris January 1997
Israeli Association for the Study of the Liver	-	Tel Aviv January 1997

Postgraduate Lecture -Tel Aviv University	-	Tel Aviv January 1997
XVIII National Hepatology Week	-	Florence March 1997
Croatian Society of Gastroenterology & Hepatology	-	Zagreb October 1997
EASL postgraduate Teaching Course	-	Zagreb October 1997
Liver Course (BPMF)	-	London November 1997
International Conference on Infectious Disease and Public Health	-	Alexandria October 1997
Hellenic Society of Gastroenterology	-	Heraklion, Crete October 1997
Liver Update 1997 (4 lectures)	-	Kuala Lumpur November 1997
Workshop on Portal Hypertension 13th International Endoscopy Symposium	-	Hong Kong December 1997
Kings College Liver Week	-	London December 1997
Liver Update	-	Padova January 1998
Falk Symposium Portal Hypertension	-	Bonn February 1998
XIX National Liver Week	-	Florence March 1998
Joint North American and European Paediatric Societies of Gastroenterology	-	Toulouse May 1998
10th Annual Hepatobiliary Day	-	Dublin May 1998
SpR Teaching Week	-	Padova June 1998
2nd International meeting on complications of liver disease	-	Elba June 1998
Falk International PBC Workshop	-	Stoke

		July 1998
German Society of Gastroenterology	-	Kiel September 1998
World Congress of Gastroenterology	-	Vienna September 1998
Venezuelan Society of Gastroenterology	-	Caracas September 1998
5th International Meeting on Therapy in Liver Disease	-	Milan October 1998
Somatostatin Symposium UCB	-	Braine l'Alleud Belgium Nov 1998
London Gastroenterology Course	-	London November 1998
Flemish Society of Gastroenterology	-	Ghent November 1998
Gastroenterology Meeting	-	Edinburgh February 1998
Italian National Congress of Gastroenterology Portal Hypertension Symposium	-	Milan November 1998
Liver Course Kings College Hospital	-	London December 1998
Turkish Society of Gastroenterology	-	Istanbul January 1999
British Society of Gastroenterology President's Meeting	-	Glasgow March 1999
XX National Hepatology Course	-	Florence March 1999
Glasgow Regional Gut Club	-	Glasgow April 1999
Gastroenterology Club	-	Reggio Calabria Italy May 1999
Portugese Society of Gastroenterology	-	Portugal June 1999
III International Hepatology Meeting	-	Elba June 1999

Gastroenterology Meeting	-	Liverpool June 1999
Mersey Regional Gastroenterology Meeting	-	Liverpool September 1999
5th International Manchester Liver Update	-	Manchester September 1999
European Association Study of the Liver Postgraduate Course Rumania	-	Bucharest September 1999
Regional Italian Society of Gastrointestinal Endoscopy	-	S.Giulio Orta Italy October 1999
United European Gastroenterology Week	-	Rome November 1999
EASL Postgraduate Course at UEGW 1999	-	Rome November 1999
4th International Meeting Transjugular intrahepatic portosystemic stent shunt	-	Rome November 1999
FATS Club	-	Rome November 1999
Regional Gastroenterology Meeting	-	Manchester November 1999
Joint South American & European Association Study of the Liver Postgraduate Course (AEESH +EASL)	-	Santiago, Chile November 1999
Kings College Liver Course	-	London December 1999
Thailand Gastroenterology Society	-	Chang Mai December 1999
Grimsby 6th Gastroenterology Symposium	-	Grimsby February 2000
Lecture Gastroenterology Meeting Chelsea & Westminster	-	London March 2000
Argentinian Association of the Study of the Liver	-	Buenos Aires March 2000
3rd International Consensus conference on Portal Hypertension	-	Baveno Italy April 2000
European Association Study of the Liver	-	Moscow

- Postgraduate Course Russia		March 2000
A case focused approach to the treatment of GI disorders. 2nd Ferring National Gastroenterology Meeting	-	Gleneagles April 2000
Falk Symposium 177 Hepatology 2000. Festschrift for Professor G Paumgartner	-	Munich May 2000
4th Mediterranean Society for Tumour Markers	-	London July 2000
European Association Study of the Liver Monothematic Symposium on Hepatocellular Carcinoma	-	Barcelona September 2000
4th International Meeting Complications of Cirrhosis	-	Elba September 2000
Turkish Gastroenterology Society	-	Antalaya October 2000
Australian Gastroenterology Association	-	Hobarth October 2000
Royal College of Physicians London	-	London October 2000
American Association Study of the Liver	-	Dallas October 2000
Trent Liver Research Group Meeting	-	Nottingham November 2000
Regional Gastroenterology Meeting	-	Udine November 2000
XXI Italian Hepatology week	-	Florence November 2000
New Therapeutic Developments in Hepatology	-	Milan November 2000
8th United European Gastroenterology week	-	Brussels November 2000
Royal College of Physician – General Medicine for the Physician	-	London November 2000
Kings Liver Course	-	London December 2000
The third Amsterdam International Update on Hepatology	-	Amsterdam December 2000

Royal College of Physicians - Advanced Medicine	-	London February 2001
Gastroenterology and Evidence Based Medicine	-	Lecco March 2001
European Association for the Study of the Liver	-	Prague April 2001
European Liver Transplant Association	-	Prague April 2001
Cochrane Hepato-biliary Group Symposium	-	Prague April 2001
Austrian Society of Gastroenterology	-	Portschach June 2001
New Trends in Gastroenterology	-	Chieti University June 2001
Malaysian Society of Hepatology and Gastroenterology and Malaysian Liver Foundation	-	Kuala Lumpur July 2001
Investing in Arab Health	-	London August 2001
British Association Study of the Liver	-	London September 2001
Practical Gastroenterology: a symposium for Specialist Registrars and Registrars	-	Oxford September 2001
Club Francophone Etude Hypertension Portale	-	Angers October 2001
Gastroenterology Society of Oman	-	Muscat January 2002
North West Thames Gut Club	-	London February 2002
Postgraduate Lecture	-	Parma March 2002
World Congress of Gastroenterology	-	Bangkok March 2002
International Association Study of the Liver	-	Madrid April 2002

Portuguese Society Gastroenterology	-	Oporto April 2002
Regional Gastroenterology Group Lombardy	-	Cremona, Italy April 2002
European Association Study of the Liver Postgraduate Course	-	Latvia June 2002
Vasoconstrictor Drugs in Internal Medicine	-	Padova June 2002
Luigi Barbara Educational Workshop on Hepatocellular Carcinoma	-	Bologna September 2002
New Strategies and Problems in Gastroenterology	-	Naples October 2002
United European Gastroenterology Week	-	Geneva October 2002
Indonesian Gastroenterology Club	-	Geneva October 2002
American Association for the Study of the Liver	-	Boston November 2002
Alfred Hospital, Gut Club	-	Melbourne November 2002
St Vincent's Hospital, Gut Club	-	Melbourne November 2002
Austin Hospital Melbourne Transplant Meeting	-	Melbourne November 2002
Universitatspital Zurich Gut Club	-	Zurich December 2002
Novonordisk Research & Development - recombinant Factor VII a	-	Grand Cayman January 2003
Sheila Sherlock Memorial Symposium	-	London January 2003
Lombardy Gut Club	-	Como April 2003
IX International Medical Congress Of El-Azhar University	-	Cairo April, 2003

8 <sup>th</sup> International Liver Symposium	-	Manchester June 2003
Kings College Postgraduate Meeting	-	London July 2003
N.East England Gastroenterology Club	-	Newcastle July 2003
Luigi Barbara Workshop (X) on Acute on Chronic Liver Disease	-	Bologna September 2003
Novonordisk Research and Development	-	Sorrento October 2003
Kings College Liver Course	-	London October 2003
SpR Meeting Medicine in the Elderly	-	London November 2003
Liver Update (13 <sup>o</sup> )	-	Padova November 2003
Swedish Society of Medicine	-	Stockholm November 2003
Gastroentrolgy and Hepatology For the New Millennium – RCP	-	London February 2004
Emergencies in Hepatology	-	Barcelona March 2004
Dutch Society of Gastroenterology and Hepatology	-	Eindhoven March 2004
15 <sup>th</sup> Anniversary Liver Transplant Unit Celebrations	-	Royal Free April 2004
Portal Hypertension in the 21 <sup>st</sup> Century	-	Montreal April 2004
Gastroenterology Update 2004	-	Bolzano April 2004
British Transplantation Society	-	Birmingham April 2004
Update on Portal Hypertensive Bleeding	-	Venice April 2004

**FORTHCOMING INVITATIONS AND EVENTS**

International Liver Transplantation Society	-	Kyoto June 2003
HIV and HCV in Liver Transplantation	-	London June 2003
Venezuelan Society of Gastroenterology	-	Caracas September 2004
Liver Update	-	Cairo October 2004
Hellenic Society of Gastroenterology	-	Athens November 2004
Gastroenterology and Liver Update	-	Montecatini February 2005
Baveno IV Portal Hypertension	-	Baveno April 2005

**PARTICIPATION IN INTERNATIONAL MEETINGS/WORKSHOPS**

Acute Liver Failure BSG/SKF International Workshop	-	Ferndown, Devon September 1990
International Symposium on Hepatocellular Carcinoma guest of the Italian Association for the Study of the Liver	-	Milan November 1990
Workshop on Viral hepatitis and Liver Transplantation	-	London December 1990
Workshop in Immunosuppression and Liver Transplantation	-	London March 1991
Liver Intensive Care in Europe 4th Annual meeting	-	Paris April 1991
Hepatitis C Symposium	-	London February 1992
International Autoimmune Hepatitis Group	-	Chicago November 1993
Transplantation Section RSM	-	London March 1994,1998
International Autoimmune Hepatitis Group	-	Brighton

- June 1993
- UK Liver Transplantation Group - 1994, 1995, 1996, 1997, 1998
- International EASL Consensus Conference on hepatitis C - Paris February 1999
- EASL-ELTA Joint Symposium on Liver Transplantation - Rotterdam April 2000
- EASL – Vascular Function in Liver Disease - London July 2002
- BASL Workshop on Acute Liver Failure - London September 2002
- UK Transplant Workshop on Adult Liver Donor Liver Transplantation - Birmingham January 2003
- BLT - BASL Liver Services Commissioning - London January 2003
- Liver Support Devices - London September 2003

### **VISITING PROFESSORSHIPS**

- University of Naples II - 1993-1994
- University of Florence - 1995 and current**
- WTMS Alfred Visiting Professor Melbourne, Alfred Hospital - November 2002

### **NAMED LECTURES**

- Ralph Wright Lecture 1993 - London 1993
- British Association for the Study of the Liver
- Second Malaysian Liver Foundation Lecture - Kuala Lumpur July 2001
- Bengt Ihre Lecture 2003 Swedish Medical Society - Stockholm November 2003
- Bengt Ihre Medal 2003 - Stockholm 2003

### **PRIZES**

- Herpes virus 6 and 7 in human liver transplantation. "Science into Service jointly with Depart. of Virology - R&D 1st prize Royal Free Hospital

February 1998

**CLINICAL EXPERIENCE****Hepatology/Gastroenterology**

In my present appointment as a Consultant Physician and Hepatologist, I head the medical side of the liver transplantation programme of the Royal Free Hospital, as well as the associated acute liver failure service and I also look after patients with liver disease. I continue to have a special interest in portal hypertension, and I have nurtured the setting up of a TIPS service, which is run by my colleague, Dr Patch, in conjunction with the Department of Radiology. In addition I instigate and set up the clinical trials in this area. My other specific areas of clinical interest are coagulation in liver disease primary biliary cirrhosis, liver disease in pregnancy and haematological disorders and all aspects of therapy.

As a senior lecturer in medicine and consultant physician with a special interest in liver disease I was responsible for the total clinical care of several hundred patients with acute and chronic liver disease, and biliary diseases, as well as all the medical aspects of the liver transplantation service in one of the largest liver centres in the United Kingdom.

The Hepato-biliary and Liver Transplantation Unit is a combined and integrated service provided for by the University Departments of Medicine and Surgery, and the hospital departments of Radiology and Histopathology. Within this integrated service my particular responsibilities were and still are for patients with fulminant liver failure, complications of portal hypertension, bleeding ascites and renal failure, and all potential candidates for liver transplantation. In addition I share the diagnostic and therapeutic endoscopic biliary work with my colleague Dr Dooley. I have one general hepatology clinic a week.

In my training years I had the good fortune to be a registrar to Professor Dame Sheila Sherlock and then her clinical research fellow. In this period of almost 5 years I gained special experience of patients with hepato-biliary disorders including acute referrals for gastroenterological and hepato-biliary disorders and emergencies as a registrar. I became proficient in radiological techniques for the investigation of portal hypertension and treatment of bleeding varices, including transhepatic obliteration of varices.

**Liver Transplantation**

My current appointment as consultant physician and hepatologist gives me responsibility for the medical side of the liver transplantation service. The staff specifically allocated to the service

include another Consultant Physician, full-time SHO, 2 SpR's and house physician (with general hepatology).

I was a visiting fellow at the liver transplant centre in Pittsburgh in 1985 for several weeks where I gained further experience in the management of liver transplant complications additional to that during 1982-1985 with our first liver transplant programme.

I set up the medical side of the new liver transplantation service at the Royal Free Hospital. From November 1994, I shared the clinical service with Dr Mistry, Senior Lecturer, from 1998 with Dr D Patch as a Consultant Physician. The senior surgeon and Director of the service is Mr Keith Rolles. The second surgeon is Professor Brian Davidson, and 2 further surgeons to be appointed shortly.

The new programme was started in October 1988. At first the funding was from Hampstead Health Authority so that clinical activity was limited by financial constraints. However, the application to the Department of Health's supra-regional funding committee was successful, so that from April 1991 the Liver Transplantation Service has national supra-regional designation and is in a phase of expansion, presently contracted for 60 NHS transplants a year; the future contract aiming for 70 transplants per year.

I have personally taken care of and followed up over 720 liver transplant patients, over 700 of whom have been transplanted since October 1988. This has included the period in intensive care where the responsibility still lies with the medical and surgical team for clinical management. I have also dealt with children (over 2 years, and over 10 kg) whom we accept for liver transplantation at our centre. I run a weekly liver transplantation clinic together with Dr Mistry and subsequently Dr Patch and an SHO, or SpR, and undertake joint daily ward rounds with the surgical colleagues.

I have developed a specific interest and experience in recurrent hepatitis C after transplantation, publishing several papers. Member of the joint AASLD ILTS Postgraduate Course, 2000 and 2002

My involvement with the liver transplantation service has considerably increased the time spent in clinical duties, but it has broadened my clinical experience across several specialities in Internal

Medicine because of the special problems faced by these patients in the pre, peri and post-operative phases of their treatment.

### **General Internal Medicine**

As a consultant physician since January 1988 I was responsible in rotation with my senior lecturer consultant colleagues for the acute medical take assigned to the University Department of Medicine. I stopped being on call for acute general medicine in 1996 due to the heavy work load on the transplant side. The Royal Free Hospital acts as a general district hospital for the the Hampstead District in North London and part of the Edgware General catchment area. The official catchment population is 110,000 but these numbers were increased by patients on the geographical boundaries to whom the Royal Free Hospital is the nearest accident and emergency centre. I had direct supervision of one registrar, one senior house officer and one house physician with whom "post take" rounds were undertaken. These also functioned as post-graduate training

sessions. The usual spread of acute medical emergencies were seen. I was responsible for patients who suffered cardio- respiratory arrests on the take day, or patients admitted under me to intensive care if this was required, and also for the referrals to the general internal medicine team. Coronary care was shared with cardiology colleagues. The responsibility as a consultant extended to patients treated in intensive care following admission. Twice daily ward rounds were conducted for this group of patients. I undertook one general medical clinic per week which was integrated with the general hepatology clinic. This was used to see new patients referred from other hospitals or general practitioners and for follow up of patients previously admitted.

My experience in the training grades was as follows. As a Senior House Officer (SHO) I rotated through medical firms whose consultants had special interest in patients with metabolic/endocrine, cardiological/respiratory and gastroenterological problems. These SHO posts had Registrar duties and formed part of the registrar rota for acute medical take and medical in-patient emergencies including cardiac arrest. I was directly responsible to the consultants as there were no registrars or senior registrars. As a registrar for over two years, I continued to do acute medical takes with charge of the cardiac arrest team and in-patient acute medical referrals, as well as general in-patient care. As a research registrar I conducted a weekly general medical/gastroenterology out-patient clinic for 18 months. As a lecturer I continued to undertake a weekly out-patient clinic.

### **Endoscopy: Experience and Service Commitments**

I am proficient in upper gastrointestinal endoscopy and therapeutic techniques having started endoscopy in 1979 and performed over 6,000 endoscopies since then. My particular interest is in sclerotherapy of varices and now endoscopic banding of varices. From 1993 I was responsible for 2 upper gastrointestinal endoscopy lists a week and supervise and teach junior colleagues, and since 1997, I session a week.

I am also proficient in both diagnostic and therapeutic endoscopic retrograde cholangio-pancreatography (ERCP) which I started in 1981. Therapeutic techniques include nasobiliary drainage, biliary and pancreatic stent insertion, sphincterotomy and stone removal, mechanical lithotripsy, balloon dilatation of strictures, brush cytology and intra-duct biopsy. I have performed approximately 2,500 ERCP examinations. I teach junior colleagues and have fully trained several physicians. I am responsible for one of three ERCP list per week, and with Dr Dooley provide the endoscopic pancreato-biliary service for the whole hospital.

#### **SERVICE, AUDIT AND PATIENT INITIATIVES**

1. My major clinical activities are all based on clinical protocols finalized by me to facilitate management (we have frequent rotation of junior staff), to form a basis for audit, costing of clinical activity, clinical risk assessment and assessment of quality of care.
2. As part of the liver transplant programme I designed the protocol for work-up and have actively participated in the writing of pre and post transplant patient information booklets. I have set up the outpatient clinic along the lines of a diabetic clinic with nurse transplantation assistants to look after the counselling aspects and routine tasks. This enables a fast through put of patients. Due to the initial weekly visits the clinic size is increasing exponentially, with over 1,500 attendances/year.
3. Following an initiative of mine, the Trust produced a patient information video on being an inpatient, which is used to facilitate admission to hospital. It has been used on Hassall Ward.
4. I co-operate actively with the Royal Free Liver Patient Support Group.

5. I am a member of the Gastroenterology group involved in the National Case Mix Study, which is an initiative to standardize severity of illness/length of stay in clinical areas. This will probably be the basis for contracting in the NHS in the future.
6. Collaboration with Professor Buxton at Brunel University on the national evaluation of the cost/benefit of liver transplantation.
7. Member of the joint Royal College of Physicians (London) and British Society of Gastroenterology National Audit of liver biopsies.
8. Member of the Audit sub-committee of the National Liver Advisory Group.

## **UNDERGRADUATE AND POST-GRADUATE**

### **TEACHING EXPERIENCE AND MEDICAL EDUCATION**

As a consultant physician I have a commitment to teaching undergraduate medical students. I have been involved with undergraduate clinical training throughout my medical career. At the Dean's request I developed a draft for a new clinical curriculum at the Royal Free Hospital in 1985. I organised the clinical examination for the Final MB examination for 3 years. I have surveyed medical students in the clinical years regarding their experience of teaching of clinical skills, and presented the results to the Dean and clinical sub-dean.

I have examined as internal examiner for the Final MB examination of the Royal Free Hospital School of Medicine and I was appointed as an external examiner for the Final MB examination in Medicine in Liverpool University (1990-1992).

I have a particular interest in Problem Orientated Medical Records (POMR) as a teaching medium and clinical tool ever since my contact with it as a student. This resulted in a publication in "Medical Education".

Post-graduate teaching and training has involved the supervision and teaching of registrars, as well as numerous research fellows from abroad, in clinical skills and endoscopic techniques, as well as aspects of clinical research.

I have been actively involved in the University Department's formal post-graduate teaching on clinical cases, the annual International Liver Update at the Royal Free Hospital and the National British Post-Graduate Federation courses in Gastroenterology and Liver Disease (now London Gastroenterology and King's College Liver, courses).

Post-graduate teaching in general internal medicine has consisted in supervision of the registrar's activities and clinical teaching in preparation for the diploma of Membership of the Royal College of Physician (MRCP). I organised this clinical examination for 2 years (1980-1981). I participate in the formal teaching of House staff.

I chaired the North Thames (EAST) Gastroenterology Teaching Committee for Calman Trainees, and I am currently a member.

### **CURRENT RESEARCH PROJECTS AND INTERESTS**

My academic standing has been recognised by the conferring of a personal chair as Professor of Hepatology in the University of London, at the Royal Free and University College Medical School by University College, London, October 2002.

#### **A. PORTAL HYPERTENSION**

##### **1. Clinical trials**

I have been involved in numerous clinical trials in the management of portal hypertension, many involving co-operation with other European centres. The expertise that I have developed within the portal hypertension group has been recognized in the allocation of a 5 year National Institutes of Health grant for a clinical trial evaluating the use of beta-blockers for the prevention of variceal bleeding. This has undergone successful competitive renewal for a further 3 years. Current trials just finished include long term banding versus beta blockers using targeted therapy to achieve a specific portal pressure reduction, and the use of Glypressin as an adjunct to emergency sclerotherapy. Shortly to start is a trial to test the hypothesis that bacterial infection may be a trigger for variceal bleeding - a hypothesis published in the Lancet. I have developed prognostic models based on hundreds of patients' data contained in a prospectively maintained data base, which I believe will lead to better patient care. Currently we are investigating lanreotide and we will be studying recombinant factor VII in variceal bleeding.

I have been one of the instigators and founder members of the International Club for Portal Hypertension Studies which has organised and published conclusions of consensus conferences on definitions and methodology in the field in which I have been an active participant (Baveno I, II and III). In conjunction with this initiative I have been part of a working group, including Working Team Reports at Roma '88 and Athens '92 Gastroenterology conferences, which has published meta-analyses of several types of trial in portal hypertension. I was a chairman and faculty member in an AASLD mono-thematic conference on portal hypertension in June 1996. Due to this interest I am a member of the British Society of Gastroenterology liaison committee with the British Cochrane Centre (meta-analysis of clinical trials). I have lectured at the opening of the Danish Cochrane Centre in October 1993 on the work done in portal hypertension. The interest in clinical trials has had the benefit of saving pharmacy costs in these clinical areas. I am an active advisor of the newly formed Cochrane Review Group for Hepato-biliary Diseases, based in Copenhagen.

## 2. **Haemodynamic studies**

Together with Dr P A McCormick and now Dr Patch I have set up a complete range of invasive techniques to study systemic and splanchnic haemodynamics in portal hypertensive patients. This is important so as to evaluate medical treatment of portal hypertension. The assessment of portal hypertension is provided by the Liver Unit.

As patients being assessed for liver transplantation have cardiac catheter and angiographic studies, they have formed the core patients in some haemodynamic studies. Thus, the liver transplant programme has brought benefit in research into portal hypertension. Dr McCormick has been awarded an MD, which I supervised, on the basis of the work he performed in portal hypertension projects at the Royal Free Hospital.

## 3. **Role of infection**

Dr Patch and I have put forward a hypothesis on the potential role of infection via endothelin as a trigger for variceal bleeding secondary to an increase in intrahepatic resistance. This causes a sudden rise in portal pressure (via nitric oxide inhibition) and platelet dysfunction. Recent clinical evidence, published in Gastroenterology suggests that treatment with antibiotics in cirrhotics with variceal bleeding reduces the early rebleeding that frequently occurs within days of admission.

A grant application was submitted to the Wellcome Trust with Professor Vallance as co-supervisor, but unfortunately was unsuccessful. We are pursuing the direct test of the hypothesis in a placebo controlled double-blind clinical trial.

**B. HAEMOSTASIS IN LIVER DISEASE**

1. As an extension of my interest in bleeding varices, I have established a good link with the Department of Haemophilia and Haemostasis with whom I have published several papers on haemostatic abnormalities in chronic liver disease, including the use of DDAVP. Current collaborator is Dr Perry.
2. In conjunction with my interest in ways of assessing whole blood clotting and fibrinolysis, I have purchased a thromboelastograph to evaluate coagulation abnormalities in cirrhotics. This alternative way of looking at haemostasis may be useful in in variceal bleeders, cirrhotics in general, cirrhotics requiring elective surgery, as well as those undergoing liver transplantation. We have found hypercoagulability in cholestatic patients, and have published this. In addition coagulation defects can be shown in patients with infection, which is due to a heparinoid effect.

**C. BACTERIURIA, MITOCHONDRIAL ANTIBODIES AND PRIMARY BILIARY CIRRHOSIS (PBC)**

1. As a registrar I observed that women with all stages of primary biliary cirrhosis had an increased prevalence and recurrence of urinary tract infections, compared with women with other forms of chronic liver disease or rheumatoid arthritis. This led to speculation on the relationship of this infection in PBC. A repeat epidemiological study in the USA, has shown urinary tract infections to be increased in patients with PBC.
2. I have collaborated with Professor Baum at Kings College (Faculty of Life Sciences) and currently Professor D Vergani (Institute of Liver Studies UCL) as we are interested in the cross-reactivity of the specific mitochondrial antibody in PBC with bacterial antigens.

We found that the serum of women without PBC, but with recurrent urinary tract infections reacted with a major PBC mitochondrial antigen. This data has been published. We have published a hypothesis in Nature on molecular mimicry in PBC based on a remarkable similarity in amino acid sequence between fragments of HLA found in the cleft of HLA II antigens and the immunogenic peptides for the production of mitochondrial antibodies. We have followed this up with a generalised hypothesis for autoimmunity published in TIPS. Patrice Butler was awarded her PhD on this topic.

3. I have disputed the value of Ursodeoxycholic acid therapy in the Lancet. I am evaluating our database in PBC patients in collaboration with Dr Carpenter of the LSHTM with regard to prognostic factors, as well as the relationship of serum bilirubin and albumin as the two independent biochemical prognostic markers in PBC.

#### D. **LIVER TRANSPLANTATION**

1. I have been interested in the cost/benefit ratios in liver transplantation. Our initial study of costs has been published. Mr Rolles and I influenced Professor Buxton of Brunel University Health Economics Unit, to obtain funds for a national cost-benefit analysis of liver transplantation which has been set up by him under the auspices of the Department of Health, in which we have participated. Final drafts are being prepared in 2001.
2. In collaboration with the departments of Microbiology and Virology we have set up prospective surveillance programmes to establish the true frequency of cytomegalovirus infection and thus and the best way to screen and to use chemo prophylaxis for these patients. We are now setting up prospective studies of prophylaxis. These may have a significant effect in lowering the morbidity and mortality of infection (still the major cause of early death) and lower the drug bill. We are participants in an NIH grant awarded to the Department of Virology for the study of herpes viruses in immunosuppressed patients.
3. Instigating the liver histopathologists into developing a scoring system to assess the severity of cellular rejection. This is fundamental to many of the studies in liver transplantation, as the severity of rejection has prognostic significance for morbidity and mortality. This has been published in Hepatology. We are continuing this clinical assessment with the evaluation of peripheral eosinophils.

4. Collaborating with studies based in the University Departments of Surgery and Immunology.
5. We are using explanted livers to culture biliary epithelial cells, for experiments in cellular immunology in PBC using target cells, patient lymphocytes (stored) and recombinant peptide antigens (with Professor Baum at Kings College).
6. We are isolating hepatic and non-hepatic cells from the effluent of flushed donor livers (project with Dr Keshav). This is providing a source with plentiful cells from the donor - this will allow a whole series of experiments.
7. I have instigated the largest trial of immunosuppression in liver transplantation (TMC study - 606 patients) as secretary of the UK and Republic of Ireland Liver Transplant Study Group. The trial has been published in the Lancet.
8. Use of autologous stem cells induced by GCSF pre-transplant and cryopreserved after leucopheresis to induce tolerance post-transplant.
9. Audit and evaluation of outcome in chronic hepatitis C patients.

E. **PROGNOSTIC FACTORS FOR SURVIVAL AND TIMING OF LIVER TRANSPLANTATION**

I have published work in collaboration with Professor Pocock, Professor of Medical Statistics at the London School of Health and Tropical Medicine Hygiene on short term prognosis in PBC. A soft-ware programme for acquisition of data has been developed.

This type of model is more appropriate for clinical use than currently published Cox models. Timing of transplantation is becoming a more important clinical topic, as patients are selected earlier in the course of their disease, because of improving survival figures. The value of prognostic models in patients taking ursodeoxycholic acid is being evaluated in our patients.

F. **LIVER DISEASE IN PREGNANCY AND IN HAEMATOLOGY PATIENTS**

Since publishing the largest series of patients with acute fatty liver of pregnancy, I have retained an active clinical interest and see patients with liver disease in pregnancy referred to the Royal Free Hospital. I have written a chapter in the Oxford textbook of Clinical Hepatology and have spoken at the French Association for the Study of the Liver and the British Association of Obstetric Anaesthetists on this topic. I regularly consult on hepatic problems in haematology patients, particularly in bone marrow transplant recipients. I have written a review on this topic which was recently published in the British Journal of Haematology.

G. **INFECTIONS IN LIVER DISEASE**

I have collaborated with the Department of Microbiology to establish optimal antibiotic regimes to treat suspected sepsis in cirrhotic patients. Studies to evaluate bowel decontamination for the prevention of infection in cirrhosis are being planned, as well as studies in variceal bleeding. I am evaluating changes in coagulation using thromboelastography in these patients.

**GRANTS**

**National Institutes of Health** - Diabetes and Digestive and Kidney Diseases Section start October 1993 - 5 year grant for a clinical trial for the **prevention of oesophageal varices in patients with cirrhosis** (in collaboration with Yale, Boston and Barcelona) - Royal Free component US \$300,000 - **competitive renewal approved 1998 – 2000 – and for 2001-2002.**

**National Institutes of Health** - Significance of HHV 6/7 for immunocompromised patients 1993 - 1996 with Professor P Griffiths.

**National Institutes of Health** - Laboratory markers of imminent cytomegalovirus disease 1996 – 1998 with Professor Griffiths

North East Thames Regional Health Authority - 3 year grant 1982-1985, extended one year to 1986. **Bacteriuria and primary biliary cirrhosis.** This supported a PhD student working in the Department of Medical Microbiology

North East Thames Regional Health Authority - 2 year grant 1986-1988. **Correction of primary haemostatic defects by de amino 8 D arginine vasopressin (DDAVP) in cirrhosis. Clinical use and laboratory correlations.** This supported an MLSO technician based in the Department of Haemophilia

North East Thames Regional Health Authority - 1 year. **Relationship between mitochondrial antibodies and urinary organisms in PBC patients and those with recurrent bacteriuria**

North East Thames Regional Health Authority 1 year - **Thalidomide treatment and primary biliary cirrhosis (1 year)**

**NHS Executive (North Thames) Association of betaherpes viruses with increased duration of hospitalisation after liver transplantation - (1 year) with Professor P Griffiths**

**OTHER FINANCE RAISED FOR RESEARCH:**

£15,000 Ferring Pharmaceuticals to support a research registrar performing a prospective study on glypressin (1981-83)

£36,000 Serono Ltd to support a research registrar keeping data on a double-blind placebo controlled trial of somatostatin for bleeding varices. This trial was Food and Drug Administration registered (1985-87)

£6,000 Sandoz Pharmaceuticals Ltd for purchase of flowmeter, catheters and injection pump for azygous blood flow estimation (1985-87)

£15,000 Ferring Pharmaceuticals for the initial studies on DDAVP and haemostasis in liver disease - supported MLSO (1986-87)

£3,000 from Central Research Fund Committee (University of London) for the purchase of an Arndofer pump for measurement of intravariceal pressure (1987)

£20,000 from Bioresearch Laboratories for pharmacokinetic studies on S-adenosyl-L-methionine (1988)

£60,000 (shared with Dr J Owen) for studies on changes in membrane fluidity with S-adenosyl-L-methionine (1989 to 1992)

£16,000 Glaxo Pharmaceuticals for pharmacokinetic studies on a new anti-emetic (1989)

£52,000 Knoll (Bioresearch) salary for research fellow (1990) to study S-Adenosyl-L-Methionine (1990-1992)

£60,000 Sandoz. Salary for research sister to run octreotide trial (1991-1993)

£30,000 Glaxo. To support nurse to supervise antibiotic trials in cirrhotic patients (1989-1991)

£65,000 Ferring. To support salary for research fellow (1995-1997)

£15,000 Cyanamid. Clinical trial of tazlocillin in liver transplantation (1995-1996)

£10,000 Lederle. Clinical trial of fluconazole in liver transplantation (1994-1995)

£30,000 Glaxo. Pilot study of lamuvidine in HBV transplanted patients. Shared with Dr Dusheiko (1994-1996)

£4,000 Department of health - pilot study of cost-benefit evaluation of liver transplantation (1994-1995)

£ 60,000 Ferring Pharmaceuticals 2 year support for research registrar - doing a trial

£25,000 Sandoz. Evaluation of Neoral in Liver Transplantation (1994-1996)

£ 5,000 Biotrin - evaluation of gamma GST in liver transplantation (1996)

£ 65,000 Sandoz/Fujisawa - trial of tacrolimus versus microemulsified Cyclosporin 1997-1999

£ 33,000/yr for 2 years - Alfa-Wasserman for clinical trial of rifaximin in variceal bleeding (abandoned due to inability to admit patients – written to Ethics Committee)

£ 86,000 Chugai - proof of concept study: autologous CD34 positive cells recruitment with pre-transplant GCSF to induce tolerance post transplant when re-infused.

£ 32,000 Fujisawa, trial of monotherapy (Tacrolimus) in HCV cirrhosis after transplantation.

c.£ 60,000 Free supply of drugs – Schering-Plough trial of PEG INTRON and ribavirin in liver transplantation.

### **Co-Applicant in other grants**

NHS executive: Economic evaluation of the liver transplantation programme in England and Wales. Application with Professor Buxton. Health Economics group, Brunel University 1998 to present

Production of EBV directed cytotoxic T cells in post-transplant patients and their use to prevent lymphoproliferative disorder. Chief investigator Dr P Amlot.

Wellcome Project Grant - Studies on the neutralising antibody response to cytomegalovirus in renal and liver transplant recipients and its relationship to the outcome of cytomegalovirus infection in these patients Chief Investigator Dr J E Grundy.

Economic and Social Research Council - Using simulation modelling in the management of liver transplantation - Chief Investigator. Professor MJ Buxton, Brunel University 1999.

Randomized controlled trial of cytotoxic T cell therapy for EBV associated PTLD – P.Amlot

**PENDING GRANT APPLICATIONS/NEGOTIATIONS/TRIALS**

- recombinant factor VII in bleeding varices (Novo-Nordisk)
- FK104 in liver transplantation
- Adefovir in liver transplantation - identifying key factors for hepatitis C pathogenesis (NIH)

**RESEARCH FELLOWS** (for whom I have had direct responsibility)

**Dr M Qadiri:(Jordanian):** October 1984-July 1985 supported by Ferring Ltd. He worked on glypressin study and kept data for clinical trial, is co-author on two papers -beta blockers in portal hypertension and DDAVP in cirrhosis

**Dr F D'Heygere:(Belgian)** August 1985-August 1986 supported by Serono Ltd. Presented papers at BSG, September 1986; EASL September 1986. He participated in Portal Hypertension Workshop, September 1986, is co-author of one paper on prophylaxis for variceal bleeding and somatostatin and portal hypertension.

**Dr M Graffeo: (Italian)** October 1986-December 1986. Aspects of portal hypertension clinical project on extrahepatic venous obstruction being prepared for publication

**Dr D Sprengers: (Belgian)** August 1986-August 1987. Supported by Serono Ltd. Submitted abstracts on use of repeated doses of DDAVP to BSG, April 1987, International Haemostasis Society, July 1987. Co-author on a review of beta blockers and a paper on bleeding time and cirrhosis and somatostatin trial.

**Dr M Biagini: (Italian)** periods between November 1986-July 1988/Jan 1990-Dec 1990. Working on prognostic aspects of primary biliary cirrhosis and bacteriuria. Co-author on abstract accepted for EASL 1988 and paper on PBC and liver transplantation and presentation of abstracts at BSG 1990, and EASL 1990.

**Dr S Siringo: (Italian)** 1987-1989. Worked on haemodynamic and clinical aspects of portal hypertension. Peptic ulcers and chronic liver disease. Presented abstracts at BSG September 1989, April 1990 and co-author on papers of haemodynamic measurements and prognostic aspects of the white nipple sign in variceal bleeding.

**Dr PA McCormick: (Irish)** July 1986-Jan 1988. Supported by the Academic Department of Medicine. Major collaborator on projects related to portal hypertension. He visited the Royal Free and wanted to come to extend his studies on the effects of food on portal haemodynamics. MRC project grant awarded but not funded on this topic. Became Lecturer in the Department in January 1988.

**Dr Morreale: (Italian)** April 1987-April 1988. Obtained speciality thesis in gastroenterology on prognostic importance of significant bacteriuria in PBC and published paper on topic.

**Dr I Rosenstein: (British)** 1983-1987. PhD Microbiologist who performed the microbiological work related to the initial project of bacteriuria and PBC. Two papers published a third submitted for publication. Jointly supervised with Professor Brumfitt, Academic Department of Microbiology

**Dr G Gori (Italian):** May 1989-December 1989. Italian training in upper GI endoscopy and collaborator on papers in portal hypertension

**Dr F Cardin (Italian):** October 1989-September 1990. Italian working on haemodynamic aspects of portal hypertension. Submitted several papers and chapters - two in press

**Dr L Belli (Italian):** July 1988-July 1990. Italian working on aspects of liver transplantation, particularly viral hepatitis and rejection. Co-author on histology paper and review of liver transplantation and chronic viral hepatitis.

**Dr J Blake (British):** March 1989-September 1989. British junior houseman interrupting house year (because of fathers illness) worked on bleeding time and chronic liver disease and S-adenosyl-L-methionine metabolism. Published papers on both.

**Miss L Taylor (New Zealander):** May 1986-Jan 1988. MLSO based in the Haemophilia and Haemostasis Unit, working on aspects of haemostasis in chronic liver disease. Jointly supervised with Dr Kernoff and Dr Hutton. Preliminary findings presented at BSG 1989 and International Haemostasis and Thrombosis conference. Findings published.

**Miss P Butler (British):** 1987-present. BSc graduate working on antimitochondrial antigen/antibody studies using immunoblot techniques and cell culture of biliary epithelial cells.

Collaboration with Professor Baum at King's College. Abstract of preliminary findings accepted for EASL 1988/EASL 1990. Jointly supervised with Professor Baum, Kings College. PhD awarded September 1995.

**Dr M Guardascione (Italian):** Jan 1990-July 1990. Italian working on S-adenosyl-L-methionine and aspects of prognosis in PBC. Review of mitochondrial antibodies in press. Review of mitochondrial antibodies in press.

**Dr F Valle (Italian):** Jan 1990-July 1990. Italian working in endoscopic cholangiography and aspects of anti-mitochondrial antibody. Presented abstract BSG 1990. Review of mitochondrial antibodies in press

**Dr S Karatapanis (Greek):** January 1991 - November 1992. Working on endothelial cell biology and portal hypertension, papers published in Transplantation. Presentations at BSG and EASL

**Dr I Merican (Malaysian):** March 1991 - to present. Commonwealth Research Fellow in training working on portal hypertension projects. Published two papers.

**Dr G Lanzini (Italian):** April 1991 - July 1991. Clinical research fellow working on clinical projects related to liver transplantation. Presented two papers at BSG.

**Dr E Osman (British/Sudanese):** March 1991 - June 1992. Worked on coagulation and SAME projects. Published chapters on coagulation and on SAME. Moved to geriatrics. Now Consultant geriatrician.

**Miss L Greenslade (British):** March 1991 to present. Clinical nurse co-ordinator for clinical trials. Involved in National Audit of liver biopsies. Supported by NIH project grant.

**Dr J Chin (Malaysian)** October 1991 - July 1992 - Projects on portal hypertension with several publications.

**Dr Z Ben-Ari (Israeli)** June 1992 to 1997. Histology of the transplanted liver. Several publications and presentations to BSG on eosinophils and liver allograft rejection.

**Dr Panagou (Greece)** September 1993 - September 1994. Worked on portal hypertension. Several papers published.

**Dr Lao (Hong Kong)** January 1994 to July 1994. Worked on CMV and HCV in liver transplantation. Paper in J Med Virol

**Dr Grammoustianous (Greece)** October 1994 - December 1994. Project on long term immunosuppression - submitted for publication.

**Dr Reddy (India)** October 1994-January 1995. Project on long term immunosuppression.

**Dr Patch (British)** January 1995 - November 1996. Clinical Research Fellow on aspects of coagulation and infection in variceal bleeding and TIPS - MD thesis.

**Dr Vassopoulous (Greek)** March 1995-October 1995 - papers in preparation on TIPS and ITU patients with liver disease

**Dr A Armonis (Greek)** April 1995-December 1996 - Learnt catheterisation techniques and papers on portal hypertension. Papers in Hepatology

**Dr Goulis (Greek)** - October 1996 to December 1998 - catheterisation and portal hypertension, papers in the Lancet, Hepatology, Gut.

**Dr Nagral (India)** - March 1996-January 1997 - RCP sponsored overseas trainee liver transplantation and liver medicine. Papers on cellular rejection: Liver Transplantation and Surgery and Transplantation.

**Dr Chang (Hong Kong)** - July 1996-December 1996 - papers on thromboelastography

**Dr Chau (Hong Kong)** - December 1996-July 1997 papers on thromboelastography and TIPS in Gut, Gastroenterology

**Dr Suresh (Malaysian)** - January 1997-July 1997 papers on portal hypertension

**Dr Papatheodoridis G (Greek)** - January 1997 to December 1998 - papers on sclerosing cholangitis, hepatitis C and liver transplantation in J Hepatol, Gut, Transplantation

**Dr M Raha (Egyptian)** - October 1997 - February 1998 - work on eosinophils and cellular rejection

**Dr S Chau** - July 1998 to December 1998 - work on PBC and liver transplantation and nutrition.

**Dr Giovanna Del Vecchio Blanco** – September 1998 – March 1999. Chronic rejection paper in J Hepatol

**Dr S Pastacaldi (Italian)** - April 1999 - Aug 2000 work on liver transplantation and laboratory work on cell culture from donor liver effluent.

**Dr P Montalto (Italian)** - April 1999 - March 2001 work on thromboelastography and portal hypertension.

**Dr C Latros (Greek)** - October 1999 – March 2000. Work on portal hypertension/haematology. Paper in Br J Haematol.

**Dr A Grasso - (Italian)** - September 1999 to December 1999 - work on PBC and paper on hepatocellular carcinoma and radioablation.

**Dr Abdel Rahim (Egyptian)** - September 1999 – March 2000. Work on cellular rejection and eosinophils.

**Dr I Vlachogiannakos (Greek)** - September 1999 – December 2000. Papers on portal hypertension and work on PBC in the Lancet, Gut.

**Dr Anthony Kwok Wai Tang (Hong Kong)** - October 1999 to March 2000. Review on ACE inhibitors portal hypertension in Gut.

**Dr Flora Kuifa (Hong Kong)** - October 1999 to March 2000 - work on ITU and liver cirrhosis.

**Dr L Dagher (Venezuelan)** - December 1998 to February 2001. Papers and chapters on portal hypertension and liver transplantation.

**Dr R Teixeira (Brazilian)** - December 1998 to December 1999 - papers on hepatitis C and transplantation. J Med Virol, Viral Hepatitis. Transplantation.

**Dr Valerio Turchi (Italian)** – June 2001 – July 2001. TEG – gastroenterology specialisation project.

**Dr Maria-Luisa Raimondo (Italian)** – November 2000 to March 2002. Papers on HCV and transplantation, and mycophenolate.

**Dr Fulya Gunsar (Turkish)** – September 2000 to September 2001. Papers on hepatic arterial thrombosis.

**Dr Marcello Vangeli (Italian)** – February 2002 – July 2002 – projects TEG, MELD, ectopic varices

**Dr Natalia Terreni (Italian)** – February 2002 – May 2002 – TIPS

**Dr Konrad Fung (Hong Kong)** – projects on hepatocellular carcinoma published and TIPS, and thromboelastography (published), PBC

**Dr Andrea Mancuso (Italy)** – March 2002 - Sept 2002 - projects on thromboelastography, TIPS, Budd-Chiari, all published.

**Dr Maria Mela (Greek)** - April 2002 to April 2003 - work on primary biliary cirrhosis, portal hypertension – papers Gut, Hepatology, APT

**Dr Andrea Zambruni (Italian)** – September 2002 October 2003 – papers Blood, Coag. Thrombolysis, Scand J Gastroenterol – thromboelastography.

**Dr Ulrich Thalheimer (Italian)** - October 2002 to February 2004 – papers hepatology/Gut – letter Lancet – portal hypertension, thromboelastography.

**Dr Rosa Stigliano (Italian)** - January 2003 to present – hepatocellular carcinoma, GCSF studies – BSG/EASL presentations.

**Dr Laura Cecilioni (Italian)** - January 2003 to January 2004 – presentation ESOT – rejection – chapter book.

**Dr Wing Chan (Hong Kong)** – January 2003 to June 2003 – papers on PBC.

**Dr Christos Triantos (Greek)** – February 2003 to present – portal hypertension, viral hepatitis and OLT. Poster prize EASL 2004, letter Gastroenterology.

**Dr Dimitrios Samonakis (Greek)** - January 2003 – to present – portal hypertension, hepatitis/OLT trial, antivirals post OLT, presentation EASL.

**Dr Christina Rigmonti (Italian)** – May 2003 to May 2004 – presentations BSG, systemic sclerosis, PBC.

**Dr Evangelos Cholangitis (Greek)** – March 2004 – present – acute on chronic liver failure, viral hepatitis, liver biopsies.

### **SUPERVISION OF POST-GRADUATE DEGREES**

**MD** - Dr PA McCormick - awarded July 1992 (Dublin)

**PhD** - Miss P Butler - awarded September 1995 (London)

**MD** - Dr D Patch - in preparation

Thesis for Gastroenterology specialisation - Dr M Morreale - 1987 (Palermo)

Thesis for research degree Dr M Biagnini 1994 (Florence)

Thesis for Gastroenterology Specialisation – Dr P Montalto (2001) Florence

Thesis for Gastroenterology Specialisation – Dr V Turchi (2001) Florence

Thesis for Gastroenterology Specialisation – Dr A Mancuso (2002) Palermo

Thesis for Gastroenterology Specialisation – Dr U Thalheimer 2004 (Veroma)

## **EDITORIAL BOARDS**

- **Liver Transplantation** 1999-2002 / **2005-2008**

- Journal of Hepatology 1994-1996

- Hepatology 1996 - 1998

- **Gastrohep.com 2000** <http://www.GastroHep.com>

International Journal of Gastroenterology - quarterly journal 1996 - to 2000

Minerva Gastroenterologica e Dietologica 1999 to present

Farmaci e Terapia – January 2001 to present

Medic. Clinical Methodology and Education (Methodology and Epidemiology) quarterly journal  
Ed. A Torsoli - 1994 to 2002

## **EDITORSHIP** - "CURRENT MEDICAL LITERATURE: GASTROENTEROLOGY"

This bimonthly review of the world gastroenterological literature, involving detailed selection and critique is published under the auspices of the Royal Society of Medicine. I became one of the four editors in 1987.

**PUBLICATIONS****PEER-REVIEWED ARTICLES**

1. Burroughs AK. Medical students, medical records and clinical skills. *Medical Education* 1978; 12: 446-52
2. Haworth E, Burroughs AK. Disopyramide and warfarin interaction. *Br Med J* 1977; 866-67
3. Burroughs AK, Bassendine MF, Thomas HC, Sherlock S. Primary liver cell cancer in autoimmune chronic liver disease. *Br Med J* 1981; 282- 273
4. Greenfield C, Burroughs AK, Swawathowski M, Bass N, Noone P, Pounder RE. Is pseudomembranous colitis infectious? *Lancet* 1981; 1: 371-72
5. Burroughs AK, Barter S, Jenkins WJ. Malignant epithelioma of the liver. *Postgraduate Medical Journal* 1981; 57: 304-305
6. Epstein O, Burroughs AK, Sherlock S. Polymyositis and acute onset systemic sclerosis in a patient with primary biliary cirrhosis. *J Roy Soc Med* 1981; 74: 456-58
7. Chapman R, Burroughs AK, Bass N, Sherlock S. Asymptomatic primary sclerosing cholangitis. Report of three cases. *Dig Dis & Sci* 1981; 26: 778-82
8. Burroughs AK, Bass NM, Wood J, Sherlock S. Absence of splenic uptake of radiocolloid due to thorotrast in a patient with thorotrast-induced cholangiocarcinoma. *Br J Radiol* 1982; 55: 598-600
9. Burroughs AK, Walt R, Dunk A, Jenkins W, Sherlock S, Mackie S, Dick R. Effect of cimetidine on portal hypertension in cirrhotic patients. *Br Med J* 1982; 284: 1159-60
10. Bass NM, Burroughs AK, Scheuer PJ, Geraint-James D, Sherlock S. Chronic intrahepatic cholestasis due to sarcoidosis. *Gut* 1982; 23: 417-421

11. Burroughs AK, Seong NH, Dojcinov D, Scheuer PJ, Sherlock S. Idiopathic acute fatty liver of pregnancy in 12 patients. *Quart J Med* 1982; 31: 481-97
12. Epstein O, Spisni R, Wood B, Parbhoo S, Burroughs AK, Dormandy TL. The effect of porto-systemic shunting on liver, brain and kidney zinc concentrations in the rat. *Br J Exp Path* 1982; 63: 203-206
13. Burroughs AK, Bass NM, Osbourne D, Dick R, Hobbs KF, Sherlock S. Randomized controlled study of transhepatic obliteration of varices and oesophageal stapling transection in uncontrolled variceal haemorrhage. *Liver* 1983; 3: 122-28
14. Dunk AA, Jenkins WJ, Burroughs AK, Walt RP, Osuafor T, Sherlock S, Mackie S, Dick R. Effect of ranitidine on plasma clearance and hepatic extraction of indocyanine green in patients with chronic liver disease. *Br J Clin Pharm* 1983; 16: 117-120
15. Burroughs AK, Rosentein I, Epstein O, Hamilton-Miller J, Brumfitt W, Sherlock S. Bacteriuria and primary biliary cirrhosis. *Gut* 1984; 25: 133-137
16. Srai SAS, Burroughs AK, Wood B, Dormandy TL, Epstein O. Copper retention in the fetus and neonate - possible relationship to Wilson's disease. *Biochemical Society Transaction* 1983; 11: 718-19
17. Burroughs AK, Jenkins WJ, Sherlock S et al. Controlled trial of propranolol for the prevention of recurrent variceal haemorrhage in patients with cirrhosis. *N Engl J Med* 1983; 309: 1539-42
18. Rosenstein I, Hazelhurst G, Burroughs AK, Epstein O, Sherlock S, Brumfitt W. Recurrent bacteriuria and primary biliary cirrhosis: ABO Blood Group P<sub>1</sub> blood group and secretor status. *J Clin Path* 1984; 37: 1035-8

19. Srai SKS, Burroughs AK, Wood B, Dormandy TL, Epstein O. Copper loaded fetal guinea-pig - a model of Wilson's disease? Ed. Peters H. *Protides of Biological Fluids* vol 31, Pergamon Press, Oxford. 1984; p 249-252
20. Burroughs AK, Morgan M, Sherlock S. Double-blind controlled trial of bromocriptine, chlordiazepoxide and chlormethiazole for alcohol withdrawal syndrome. *Alcohol and Alcoholism* 1985; 20: 263-71
21. Burroughs AK, Matthews K, Qadiri M, Thomas N, Kernoff P, Tuddenham E, McIntyre N. Desmopressin and bleeding time in cirrhosis. *Br Med J* 1985; 291: 1377-81
22. Srai SKS, Burroughs AK, Wood B, Epstein O. The ontogeny of liver copper metabolism in the guinea pig. *Hepatology* 1986; 6: 427-432
23. Allison MC, Burroughs AK, Noone P, Summerfield JS. Biliary lavage with corticosteroids in primary sclerosing cholangitis: a clinical cholangiographic and bacteriological study. *J Hepatol* 1986; 3: 118-122
24. Burroughs AK, D'Heygere F, McIntyre N. Pitfalls in prophylactic studies for variceal bleeding. *Hepatology* 1986; 6: 1407-1413
25. Collinson PO, Burroughs AK. Severe hypermagnesaemia due to magnesium sulphate enemas in patients with hepatic coma. *Br Med J* 1986; 293: 1013-1014
26. Farci P, Burroughs AK, Thomas H, Shammaa M. Delta hepatitis in Lebanon: prevalence studies and a report on six siblings with chronic delta positive active hepatitis. *J Hepatol* 1987; 4: 307-317
27. Burroughs AK, Sprengers D, McCormick P A. Beta blockers for the treatment of portal hypertension. *Aliment Pharmacol Ther* 1987; 1: 3-21

28. Jeffrey GP, Muller DPR, Burroughs AK, Matthews S, Kemp C, Epstein O, Metcalfe TA, Southam E, Tazir-Melboucy M, Thomas PK, McIntyre N. Vitamin E deficiency and its clinical significance in adults with primary biliary cirrhosis and other forms of chronic liver disease. *J Hepatol* 1987; 4: 307-317
29. Allison MC, Milkins S, Burroughs AK, Rogers HS, Thomas HC. Bronchobiliary fistula due to acute cholecystitis in a suprahepatic gall bladder. *Postgrad Med J* 1987; 63: 291-294
30. Petrovic LM, Burroughs AK, Scheuer PJ. Hepatic sinusoidal endothelium: Ulex lectin binding. *Histopathology* 1989; 233-243
31. Burroughs AK, Mezzanotte G, Phillips A, McCormick PA, McIntyre N. Cirrhotics with variceal haemorrhage: the importance of the time interval between admission and the start of analysis for survival and rebleeding rates. *Hepatology* 1989; 9: 801-807
32. Flannery GR, Burroughs AK, Butler P et al. Antimitochondrial antibodies in primary biliary cirrhosis recognise both specific peptides and shared epitopes of the M2 family of antigens. *Hepatology* 1989; 10: 370-374
33. Pagliaro L, Burroughs AK, Sorensen et al. Therapeutic controversies and randomised trials: prevention of bleeding and rebleeding in cirrhosis - a meta-analysis. *Gastroenterology International* 1989; 2: 71-84
34. Burroughs AK, Biagini MR, McCormick PA, Rolles K. Liver transplantation and primary biliary cirrhosis. *Postgrad Med Jour* 1989; 65: 553-558
35. McCormick PA, McIntyre N, Burroughs AK. Carcinoma of the oesophagus and long term sclerotherapy. *Endoscopy* 1989; 21: 152
36. Desai K, Bagget C, Bellamy MF, Mistry P, Burroughs AK, Owen J. Abnormal apoprotein E-rich high-density lipoprotein particles in plasma from cirrhotic patients are potent inhibitors of platelet aggregation. *Lancet* 1989; 1: 693-695

37. Chesta J, Srai SKS, Burroughs AK, Scheuer PH, Epstein O. Copper overload in the developing guinea pig liver: a histological, histochemical and biochemical study. *Liver* 1989; 9: 198-204
38. Morreale M, Tsirigotis G, Hughes M, Brumfitt W, McIntyre N, Burroughs AK. Significant bacteriuria has prognostic significance in primary biliary cirrhosis. *J Hepatol* 1989; 9: 149-158
39. Terblanche J, Burroughs AK, Hobbs KEF. Controversies in the management of bleeding oesophageal varices. *N Engl J Med* 1989; 320: 1393-1398 and 1469/1475
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44. McCormick PA, Chronos N, Burroughs AK, McIntyre N. Pancreatic pseudocyst causing portal vein thrombosis and pancreatico-pleural fistula. *Gut* 1990; 31: 561-563

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47. McCormick PA, Hughes JE, Burroughs AK, McIntyre N. Reformulation of injectable vitamin A: potential problems. *Br Med J* 1990 301:924
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57. Mallett S, Rolles K, Cox D, Burroughs A, Hunt B. Intra-operative use of aprotinin (Trasylol) in orthotopic liver transplantation. *Trans Proc* 1991;23:1931-32
58. Biagini MR, McCormick PA, Guardascione M, Surrenti C, Burroughs AK. Prognosis in primary biliary cirrhosis. *Ital J Gastroenterol* 1991;23:36-41
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- Surveillance for CMV infection in orthotopic liver transplant recipients. *Transplantation* 1992;53:1261-65
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- extrahepatic membrane cholesterol deposition in patients with chronic liver disease by S-adenosyl L-methionine. *Clin Sci* 1992;83:353-356
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Transplantation 1994;57:1174-1177

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#### **CHAPTERS IN BOOKS**

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### **PAPERS SUBMITTED**

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2. Doctor N, Rolles K, Burroughs AK, Davidson BR. Long term outcome of transplantation for unresectable recurrent biliary cystadenocarcinoma. *Br J Surgery*
3. Steindl-Munda P, Dhillon AP, Burroughs AK, Scheuer P, Siciliano M, penner E, Wrba F, Ferenci P. Cholestasis associated with high titre of antimitochondrial antibodies after transplantation for chronic hepatitis C. *J Hepatol*
4. Goulis J, Patch D, Papatheodoridis GV, Leandro G, Burroughs AK. An evaluation of emergency sclerotherapy trials: looking at the needle in the eye. *Endoscopy*.
5. Emery VC, Hassan Walker AF, Burroughs AK, Prentice HG, Potter M, Griffiths PD. Cytomegalovirus replciation dynamics in immunologically naïve and experienced immunocompromised patients. *J Virology*
6. Francis IS, Hartigan C, Patch D, Burroughs A, Davidson BR, Rolles K, Watkinson AF. The management of suprahepatic caval stenosis following liver transplantation by expandable metallic stenting. *Radiology*.
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8. Young T, et al. Survival gain after liver transplantation for patients with alcoholic liver disease. *Transplantation*.
9. Malcarne F, Webster GJM, Reignat S, Burroughs AK, Dusheiko GM, Vergani D, King A, Ogg GS, Bertolotti A. Tracking the source and function of the restored hepatitis B virus (HBV) specific CD8 and cell response during lamivudine treatment. *J Virology*.
10. Vangeli M. Ectopic varices and TIPS. *Radiology*
11. Webster G, Burroughs AK, Riordan S. Portal vein thrombosis. *Aliment Pharmacol Therap*
12. Hawton K. Evaluation of the effects of the United Kingdom analgesic pack legislation on morbidity and mortality associated with paracetamol and salicylate self-poisoning.
13. Bogdanos D-P, Baum H, Günsar F, Arioli D, Polymeros D, Ma Y, Burroughs AK, Vergani D. Extensive homology between the major immunodominant mitochondrial antigen in primary biliary cirrhosis and helicobacter pylori does not lead to immunological cross-reactivity. *Scand J Gastroenterology*
14. Andriulli A, de Sio I, Solmi L, De Carlis H, Troisi R, Grasso A, Festa V, Caturelli E, Giacomoni A, Del Vecchio, Blanco C, De Hemptinne B, Burroughs AK, Perri F. Survival of cirrhotic patients with early hepatocellular carcinoma treated by percutaneous ethanol injection of liver transplantation. *Gut*
15. Chan CW, Günsar F, Feudjo M, Vlachogiannakos Y, Carpenter J, Burroughs AK. Long term ursodeoxycholic acid treatment for primary biliary cirrhosis. A 12 year follow up. Submitted *Am J Gastro*
16. Leandro G, Rolando N, Gallus G, Rolles K, Burroughs AK. The Bernoulli Cumulative

- SUM Chart. A novel application to assess medical procedures. Submitted BJS
17. Vlachogiannakos J, Carpenter J, Goulis J, Triantos C, Patch D, Burroughs AK. Variceal bleeding in PBC patients: a subgroup with improved prognosis and a model to predict survival after first bleeding. Submitted Gastroenterology
  18. Webster G, Burroughs AK, Riordan SM. Portal vein thrombosis – new insights into aetiology and management. Submitted Alim Therap Pharm
  19. Thalheimer, Triantos C, Samonakis D, Riddell A, Perry D, Patch D, Burroughs AK. Endogenous heparinoids in acute variceal bleeding. Submitted gut.
  20. Mentha G, Giostra E, Adam R, Majno P, Bechstein W, Neuhaus P, O’Grady J, Friend P, Burroughs AK, Le Trent YP, Kirkegaard P, Rogiers X, Ericzon BG, Hockerstedt K, Klempnauer J. Liver Transplantation for Budd-Chiari syndrome: an European study on 248 patients from 51 centres. Submitted Lancet
  21. Ascites and PBC. Submitted Am J Gastro
  22. Feudjo MA, Vlachogiannakos J, Carpenter J, Burroughs AK. Bilirubin and albumin relationships in primary biliary cirrhosis: effect of ursodeoxycholic acid. Submitted ?

## **ADDRESSES TO NATIONAL AND INTERNATIONAL SOCIETIES**

### **Personal addresses**

- American Association Study of the Liver (7)
- European Association for the Study of the Liver (10)
- British Society of Gastroenterology (BSG) and British Association Study of the Liver (BASL) (24)
- International Association Study of the Liver (2)
- International Congress on Thrombosis and Haemostasis, Brussels (1)
- XII International Gastroenterology and V International Endoscopy Congress, Lisbon (1)

### **Addresses by collaborators**

- European Association for the Study of the Liver (55)
- American Association for the Study of the Liver (31)
- British Society of Gastroenterology and British Association for the Study of the Liver (65)
- Association of Surgeons of Great Britain and Ireland (3)
- European Society of Clinical Investigation (1)
- European Liver Transplant Club (1)
- American Transplantation Society (1)
- International Liver Transplantation Society (1)
- European Society for Parenteral and enteral nutrition (1)
- British International Cytomegalovirus Workshop (1)
- European Medical Research Society (1)
- Medical Research Society (3)
- Belgian Society of Gastroenterology (1)
- British Transplantation Society (7)
- European Congress of Hepatobiliary Surgery (5)
- International Congress Hepatobiliary Surgery (5)
- Italian Society of Gastroenterology (2)
- Liver Intensive Care Association of Europe (5)
- International Academy of Pathology (1)
- European Society of Organ Transplantation (1)
- Pathology Society (3)
- British Society Immunology (2)
- United European Gastroenterology Week (4)
- Society of Magnetic Resonance in Medicine (4)
- International Statistics Biology Conference (1)
- Society for Cryobiology (1)
- British Society for Microbiology (1)
- Joint Meeting : British and Italian Societies of Pharmacology (1)
- 3rd International Cytomegalovirus Workshop (1)
- Ischaemia Reperfusion Symposium (1)
- European Association of Nuclear Medicine (1)
- Middle East Society for Organ Transplantation (3)
- Biochemical Society (5)

- Society for Clinical Trials (1)

### **MEMBERSHIP OF HOSPITAL AND MEDICAL SCHOOL COMMITTEES**

Chairman of the Medical Committee 1991 to 1996

Member of Medical Advisory Committee 1991 to 1996

Chairman Gastroenterology Speciality Group 1989-1991

Senior Clinical Academic Representative (COMAR) at the BMA 1988-1990

Endoscopy Committee

District Audit Committee 1990-1991

Committee for 24 hour Admissions Ward

BMA Local Negotiating Committee Representative 1995 to present

Critical Care Services Committee 1997 to 1999

Liver Services Review Group 1996 to 1998

Blood Transfusion Committee 1995 to present

MRSA committee 1997 to 2000

Research and Development Committee 1999 and current

New Drugs and Therapeutics Committee 2000 and current

### **MEMBERSHIP OF REGIONAL AND OTHER EXTERNAL COMMITTEES**

District Representative for Gastroenterology at the North East Thames Gastroenterology Committee 1989-1996

Vice Representative (Academic) at the North East Thames Regional Manpower Committee 1988-1993

SpR Training Gastroenterology Committee	1996 - 1998 1999 - current
SpR Teaching Committee	1996 - to present
Medical advisor PBC Foundation (Charity)	1997 - to present
Italian SpR Gastroenterology Training Programme (Padova)	1998 and current
SpR Training Gastroenterology Committee	1999 and current
Joint Prescribing Committee Camden & Islington	1999 and current

## **RANKING IN R&D QUALITY ASSESSMENT EXERCISES**

This refers to Royal Free Hampstead NHS Trust and Medical School Employees (Royal Free site) with a consultant and an honorary consultant contracts, in which publications are ranked by absolute and relative impact factor within each speciality.