

**CURRICULUM VITAE**

**GHADA W. I. MIKHAIL  
BSc MB BS MRCP MD**

## **PERSONAL DETAILS**

NAME: Ghada W.I.Mikhail  
NATIONALITY: British  
DATE OF BIRTH: 4/12/1965  
SEX: Female  
MARITAL STATUS: Single  
DEFENCE ORGANISATION: Medical Defence Union No. 2548361  
GMC REGISTRATION NO: 3484696 ( Full )

## **EDUCATION**

1970-1974	St.Charles Boromee German School, Egypt.
1974-1977	Christ Church Primary School, London.
1977-1984	Blackheath High School for Girls, London.
1984-1990	The Royal Free Hospital School of Medicine, London.

## **ACADEMIC QUALIFICATIONS**

1982	9 "O" Levels. Cambridge Board.
1984	3 "A" Levels: Biology, Chemistry, Physics Cambridge Board.
1987	Intercalated B.Sc. Upper Second Class Honours in Immunopathology. University of London.
1990	MB BS. The Royal Free Hospital School of Medicine. University of London.
1995	MRCP (UK)
1999	MD, University of London
Feb 2002	CCST in Cardiology & General Internal Medicine

## **PRIZES:**

1984	Blackheath High School Trust Scholarship for academic achievements.
1982,83,84	Blackheath High School Annual Good Work Certificates.
1986	Royal Free Hospital School of Medicine Certificate in Psychology.
1987	First Class Honours for BSc Thesis.

1988

The Jehudy Gordon Travel Fund Grant awarded for an elective in Australia.

### **PRESENT APPOINTMENT**

March 2004-to date: Consultant Interventional Cardiologist  
Central Middlesex Hospital and St Mary's Hospital,  
London.

### **PAST APPOINTMENTS**

Feb 2003- Feb 2004: Interventional Cardiology Fellow  
San Raffaele Hospital & EMO Centro Cuore Columbus,  
Milan, Italy.  
Dr Antonio Colombo

### **SPECIALIST REGISTRAR POSTS**

**March 1996- Feb 2003: SpR in Cardiology and General Internal Medicine  
NW Thames**

March 96-Aug 97: SpR in Cardiothoracic Transplant Medicine  
The Royal Brompton & Harefield NHS Trust  
(Harefield Site).  
Professor Sir Magdi Yacoub, Dr N Banner

Sept 97-Sept 98: SpR in General Internal Medicine and Cardiology  
QEII Hospital, Welwyn Garden City.  
Dr P Keir

Oct 98- Sept 99: SpR in Cardiology  
The Royal Brompton & Harefield NHS Trust  
(Harefield Site).  
Dr C Ilsley

Oct 99- Feb 03: SpR in Cardiology  
The Royal Brompton & Harefield NHS Trust  
(Brompton Site).  
Professor K Fox, Dr P Oldershaw, Dr A Rickards,  
Professor U Sigwart, Dr R Sutton, Dr J Clague,  
Dr S Davies, Professor Poole-Wilson, Professor  
A Coates, Professor P Collins, Dr M Gatzoulis and  
Dr M Mullen.

Feb 2000 –May 01: SpR in General Internal Medicine  
Chelsea & Westminster Hospital.  
Dr DJR Morgan

### **RESEARCH FELLOW**

Feb 93-Feb 96: British Heart Foundation Research Fellow and Honorary  
Clinical Registrar in Cardiology and Cardiothoracic  
Transplant Medicine. Harefield Hospital and The Royal  
Brompton National Heart and Lung Hospital and  
Institute.  
Professor Sir Magdi Yacoub, Professor J Pepper &  
Dr N Banner.

### **SENIOR HOUSE OFFICER**

Sept 91- Aug 92: The Royal Free Hospital Medical Senior House Officer  
Rotation. ( General Medicine/ ITU/A&E ).  
The Royal Free Hospital and Barking General Hospital.  
Dr JB Edelman ( Cardiology ), Dr VL Sharman  
( Nephrology ) and Dr A Beardwell ( Rheumatology ).

Sept 92-Jan 93: Senior House Officer in Cardiothoracic Transplant  
Medicine.  
Harefield Hospital , Middlesex.  
Professor Sir Magdi Yacoub, Dr N Banner.

### **HOUSE OFFICER**

Aug 90- Jan 91: House Physician in Cardiology and General Medicine.  
The Royal Free Hospital, London.  
Dr TR Evans and Dr I James

Feb 91- Aug 91: House Physician in Vascular and General Surgery.  
Edgware General Hospital, Middlesex. Mr JA Fox

### **CLINICAL EXPERIENCE**

#### **CARDIOLOGY**

##### **General Cardiology:**

I have extensive general cardiology experience. I have managed patients on active coronary care units as well as patients on high dependency cardiac units within The Royal Brompton and Harefield NHS Trust. As a senior SpR at The Royal

Brompton Hospital, I was on call for the coronary care unit at the Chelsea & Westminster Hospital. I have a good working relationship with both cardiothoracic surgeons and intensive care specialists. I am able to give clinical advice on the management of patients both on medical and surgical wards as well as the intensive care unit.

**Cardiac Catheterisation:** I am proficient in diagnostic catheterisation. To date I have performed over 2500 procedures which have included coronary angiography, right heart catheterisation, assessment of valvular heart disease and diagnostic studies of coronary artery bypass grafting. As well as the femoral route, I am proficient in cardiac catheterisation via the brachial route and I am currently gaining further experience in cardiac catheterisation via the radial route.

**Interventional Cardiology:** I have obtained good experience in interventional cardiology at The Royal Brompton and Harefield NHS Trust. To date I have assisted in over 1200 procedures and I have been first operator in over 600 procedures under consultant supervision (Dr C Ilesley, Dr A Rickards, Professor U Sigwart, Dr J Clague, Professor K Fox, Dr S Davies, Dr P Oldershaw and Dr R Sutton). First operator cases have included single vessel, two vessel and three vessel disease as well as coronary artery bypass graft angioplasty. Approximately 50% of cases were emergency cases including salvage percutaneous coronary angioplasty in patients with failed thrombolysis as well as patients with cardiogenic shock. I have assisted in cases requiring excimer laser angioplasty, coronary rotablation and intravascular ultrasound. I have gained experience in cases of saphenous vein graft angioplasty using distal embolisation protection devices. I have been involved in cases of mitral valvuloplasty and alcohol septal ablation for hypertrophic cardiomyopathy (Professor U Sigwart).

**Interventional Fellowship (Milan, Italy):** I have been an interventional fellow at San Raffaele Hospital and EMO Centro Cuore Columbus Hospital in Milan, Italy. I have trained under the supervision of Dr Antonio Colombo. I have expanded my interventional skills and have both assisted and been first operator in cases of complex angioplasty including bifurcation lesions, multivessel disease and cases of total chronic occlusions. The cardiology unit also runs a service for primary angioplasty in cases of acute myocardial infarction. In addition, I have expanded my skills in the use of intravascular ultrasound, coronary atherectomy, excimer laser angioplasty and the use of distal protection embolisation devices. In the unit, quantitative coronary analysis is carried out on all angiograms. As well as percutaneous coronary intervention, I have gained experience in carotid artery stenting and peripheral vascular and renal artery interventions.

The Cardiology unit has a very active research programme including involvement in multicentre trials. I have been involved in a number of research projects including the use of drug eluting stents in multivessel disease and research into angiogenesis and myogenesis for the treatment of ischaemic heart disease as well as

the use of intravascular ultrasound for investigating in-stent restenosis in drug eluting stents.

**Electrophysiology:** I am proficient in the insertion of temporary pacing wires and permanent pacing systems. I have inserted over 250 permanent pacemakers which have included both dual chamber and single chamber systems. I have assisted in the insertion of internal cardioverter defibrillators. I have attended weekly EP studies and radiofrequency ablations under consultant supervision (Dr J Clague).

**Echocardiography:** I am proficient in transthoracic and transoesophageal echocardiography. I have participated in 2 echocardiography lists per week under consultant supervision (Dr D Gibson, Dr S Kaddoura). I have performed over 600 transthoracic echocardiograms and over 200 transoesophageal echocardiograms including intraoperative transoesophageal echocardiograms.

**Nuclear Medicine:** I have attended sessions on the reporting of nuclear scans under consultant supervision (Professor R Underwood).

**Adult Congenital Heart Disease:** I have gained experience in the management of patients with adult congenital heart disease. I have attended weekly consultant led ward rounds and clinics. I have gained experience in diagnostic cardiac catheterisation in patients with various forms of adult congenital heart disease (Dr M Gatzoulis, Dr M Mullen). I have obtained training in interventional procedures in such patients including transcatheter device closure of atrial septal defects, patent foramen ovale and patent ductus arteriosus as well as balloon dilatation and stenting of aortic coarctation (Dr M Mullen, Dr M Rigby).

The Royal Brompton Hospital is currently a dedicated National Pulmonary Hypertension Centre. As part of this service, I have been actively involved with the management of patients with primary and secondary pulmonary hypertension. I have attended a weekly clinic in primary pulmonary hypertension and have been involved with the cardiac catheterisation of such patients and in the initiation and monitoring of vasodilator therapy. I have initiated and have been actively involved in a number of research projects on pulmonary hypertension at both the Royal Brompton and Harefield sites.

**Transplant Medicine:** I have gained wide experience in cardiothoracic Transplant Medicine at Harefield Hospital (Professor Sir Magdi Yacoub, Dr N Banner). Whilst on the transplant unit, I was responsible for the care of heart and lung transplant patients both on the wards and on the intensive care unit before and after transplantation. I have learnt to manage acute cardiac and respiratory complications in such patients, including the management of acute rejection episodes and the care of infections in immunosuppressed patients who have received transplantation. I have gained experience in managing patients with heart failure and patients with ventricular assist devices (Professor Sir Magdi Yacoub, Professor J Pepper). Whilst working on the intensive care unit I have inserted over 200 Swan-Ganz catheters and over 150 haemofiltration catheters. I am proficient at performing endomyocardial biopsies and have performed over 360 such procedures.

During my SpR post at The Royal Brompton Hospital, I was on call approximately 5 days per month as well as 1 in 5 weekends. During on call, I was responsible for the care of all cardiology patients both on the wards and on the intensive care unit as well as patients on the Grown Up Congenital Heart Unit.

### **GENERAL INTERNAL MEDICINE**

During my Senior House Officer Rotation in General Medicine at Barking Hospital , Essex, I worked for three consultants whose main interests were **Cardiology** ( Dr JB Edelman ) ; **Nephrology** ( Dr VL Sharman ) and **Rheumatology** ( Dr A Beardwell ).

My duties included three outpatient clinics in the above specialities. I managed both new and follow-up patients under the supervision of the respective consultant. In addition I looked after approximately 25 inpatients. Medical on call rota 1:3.

The job combined the duties of Senior House Officer with some of the responsibilities of a registrar.

**Accident & Emergency** for a period of five months and **ITU** for one month, both at The Royal Free Hospital. The time spent on ITU involved the care of patients with liver transplantation and neurosurgical cases.

During my senior house officer post in **Cardiothoracic Transplant Medicine**, at Harefield Hospital, I worked for Professor Sir M Yacoub and Dr N Banner. The transplant SHO's work included pre-operative assessment of patients with end stage **Cardiac** and **Respiratory** disease who are referred for transplantation. I dealt with adults and paediatric patients both on the ward and the intensive care unit.

**SpR in General Internal Medicine at The QEII Hospital, Welwyn Garden City**, I led the Coronary Care Unit ward round on a daily basis. I attended one outpatient clinic and two consultant led ward rounds per week. I was responsible for the management of cardiology as well as general medical inpatients. I was on call six to eight days per month during which I was responsible for all acute medical admissions and for the care of patients on the Coronary Care Unit.

**SpR in General Internal Medicine at Chelsea and Westminster Hospital**, I attended one general medical outpatient clinic and two consultant led ward rounds per week. I was on call four days per month during which I was responsible for patients on the Coronary Care Unit and for the management of all acute medical admissions. I have gained wide experience in the care and follow up of patients with acute and chronic general medical conditions.

### **RESEARCH EXPERIENCE**

British Heart Foundation Research Fellow in Cardiology and Cardiothoracic Transplant Medicine, Harefield Hospital and the Royal Brompton National Heart and Lung Hospital and Institute. Professor Sir Magdi Yacoub, Dr N Banner and Professor. J Pepper, Feb 1993- Feb 1996.

## **Research Projects:**

### **1) *The Pathophysiology of Primary and Secondary Pulmonary Hypertension.***

**M.D. Thesis** awarded November 1999 - University of London.

Primary and secondary pulmonary hypertension are associated with a poor prognosis. The functional mechanisms that underlie the pathophysiology of these conditions remain ill defined. Vasoactive mediators such as endothelin, prostacyclin and thromboxane are thought to play a major role. The use of 24 hour ambulatory pulmonary artery measurements using a catheter inserted in the proximal pulmonary artery together with the measurement of the various vasoactive mediators may help to determine the pathophysiology of this disease. The use of vasodilator therapy such as nitric oxide gas, intravenous and nebulised prostacyclin was also tested in these patients.

During my research fellowship I was responsible for the care of patients with primary and secondary pulmonary hypertension both on the ward and the intensive care unit. I gained experience in inserting Swan-Ganz catheters and 24 hour ambulatory pulmonary artery transducers in patients with severe pulmonary hypertension. These patients also required radial arterial line insertion with extensive haemodynamic monitoring on the intensive care unit.

### **2) *Haemodynamic Responses to Stress After Cardiac Transplantation.***

The response of heart transplant recipients to emotional and psychological stress to which they are commonly subjected is not known. This study investigated the sympathoadrenal response to stress in transplant patients whose hearts are usually denervated. Orthotopic heart transplant patients were compared to a control group of coronary bypass patients and a group of heart failure patients who were either waiting transplantation or attending a heart failure clinic.

### **3) *Drug Trials; a) The Use of Neoral in Heart Transplant Recipients.***

#### ***b) The Use of Neoral in Cystic Fibrosis Patients Who Have Received a Heart and Lung Transplant.***

Neoral is a microemulsion formulation of cyclosporin (Sandimmun) that is thought to have better and more predictive absorption characteristics. The aims of these trials were to compare the pharmacokinetics of Sandimmun and Neoral in Heart and Lung transplant recipients and to assess the tolerability and side effects of Neoral in these patients.

### **4) *Ongoing Research in Pulmonary Hypertension***

- 1) A study to investigate the use of sildenafil in patients with primary pulmonary hypertension.

- 2) A study to investigate the possible role of sildenafil in regulating endothelin-1 release in patients with primary pulmonary hypertension.
- 3) A retrospective study to investigate the long term outcome of heart and lung transplantation in primary and secondary pulmonary hypertension over a 15 year period.
- 4) A study to investigate the use of bosentan in patients with secondary pulmonary hypertension.

**5) *Research Activities in Interventional Cardiology, San Raffaele and EMO Centro Cuore Columbus, Milan, Italy.***

- 1) The use of drug eluting stents in multivessel disease.
- 2) Angiogenesis and myogenesis in the treatment of ischaemic heart disease.
- 3) The use of IVUS for investigating in-stent restenosis in drug eluting stents.
- 4) The use of drug eluting stents in the treatment of bifurcation coronary lesions

**INTERCALATED BACHELOR OF SCIENCE DEGREE IN IMMUNOPATHOLOGY. Professor G. Janossy. The Royal Free Hospital , University of London. ( August 1986- September 1987)**

I obtained a First Class Honours for the thesis based on this work. **Title of project:** “ The Quantitation Of Antigen Expression In Normal And Leukaemic Cells Using The Glucose Oxidase Method.” The measurement of antigen expression was carried out by microdensitometry on various cases of acute and chronic leukaemia . There was a heterogeneity of HLA-DR expression in AML as compared to the homogeneous expression seen in CALL cases. Quantification of CD3 was also carried out on cases of TALL confirming the cytoplasmic location of this antigen.

**PUBLICATIONS:**

- 1) **Mikhail G,** Eadon H, Leaver N, Yacoub M. Use of Neoral in heart transplant recipients. *Transplantation Proceedings* 1994; 26: 2985-2987.

- 2) **Mikhail G**, Rogers P, Eadon H, Leaver N, Yacoub M. Microemulsion formulation increases cyclosporin bioavailability in cystic fibrosis. *Lancet* 1995; 346: 1638-1639.
  
- 3) **Mikhail G**, Al-Kattan K, Banner N, Mitchell A, Radley-Smith R, Khaghani A, Yacoub M. Long term results of heart lung transplantation for pulmonary hypertension. *Transplantation Proceedings* 1997; 29: 633.
  
- 4) **Mikhail G**, Gibbs J SR, Richardson M, Wright G, Khaghani A, Banner N, Yacoub M. An evaluation of nebulised prostacyclin in patients with primary and secondary pulmonary hypertension. *The Eur Heart J* 1997;18:1499-1504.
  
- 5) **Mikhail G**, Eadon H, Leaver N, Rogers P, Stephens D, Banner N, Khaghani A, Yacoub M. An investigation of the pharmacokinetics, toxicity and clinical efficacy of neoral cyclosporin in cystic fibrosis patients. *Transplantation Proceedings* 1997; 29: 599.
  
- 6) Morris-Thurgood J, Paul V E, Dyke C, Parry D, **Mikhail G**, Khaghani A, Yacoub M. Chronic Linkage after heterotopic heart transplantation. *Transplantation Proceedings* 1997; 29: 580.
  
- 7) Stanford SC, **Mikhail G**, Salmon P, Gettins D, Zielinski S, Pepper JR. Psychological Stress does not affect plasma catecholamines in subjects with cardiovascular disorder. *Pharmacology, Biochemistry and Behaviour*. 1997;58:1167-1174.
  
- 8) **Mikhail G**, Chester AH, Gibbs JSR, Borland JAA, Banner NR, Yacoub MH. Role of vasoactive mediators in primary and secondary pulmonary hypertension. *Am J Cardiol*. 1998; 82:254-255.
  
- 9) Mason NA, Springall DR, Burke M, Pollock J, **Mikhail G**, Yacoub MH, Polak JM. High expression of endothelial nitric oxide synthase in plexiform lesions of patients with pulmonary hypertension. *J Pathology*. 1998; 185:313-318.
  
- 10) Polak J, Oakley CM, Yacoub M, **Mikhail G**, Taylor-Robinson, SD. Primary pulmonary hypertension: pathologist as patient. *J R Coll Physicians Lond*. 1998; 32:225-30.
  
- 11) **Mikhail G**, Eadon H, Leaver N, Khaghani A, Yacoub M, Banner N. Comparison of neoral cyclosporin and sandimmun cyclosporin for de novo lung transplantation in cystic fibrosis patients. *Transplantation Proceedings*. 1998; 30:1510-1511.
  
- 12) Lam KMC, Oldenburg N, Khan MA, Gaylore V, **Mikhail GW**, Strouhal PD, Middeldorp JM, Banner N, Yacoub M. Significance of reverse transcription polymerase chain reaction in the detection of human cytomegalovirus gene transcripts in thoracic organ transplant recipients. *J Heart Lung Transplant*. 1998; 17:555-565.
- 13) Walker S, **Mikhail G**, Banner N, Partridge J, Khaghani A, Burke M, Yacoub M. Medium term results of lung transplantation for end stage pulmonary sarcoidosis. *Thorax*. 1998; 53:281-284.

- 14) Salmon P, **Mikhail G**, Stanford CS, Zielinski S, Pepper JR. Psychological adjustment after cardiac transplantation. *J Psychosomatic Research*. 1998; 45:449-458.
- 15) Stanford SC, Salmon P, **Mikhail G**, Gettins D, Zielinski S. Pepper JR. Plasma catecholamines, pharmacotherapy and mood of subjects with cardiovascular disorder. *J Psychopharmacology*. 1999; 13:255-260.
- 16) Thomson JR, Machado RD, Pauciulo MW, Morgan NV, Humbert M, Elliott GC, Ward K, Leppert M, Yacoub M, **Mikhail G**, Rogers P, Newman J, Wheeler L, Higgenbottam T, Gibbs SR, Egan J, Crozier A, Peacock A, Allcock R, Corris P, Loyd JE, Trembath RC, Nichols WC. Sporadic Primary Pulmonary Hypertension is associated with germline mutations of the gene encoding BMPR-II, a receptor member of the TGF- $\beta$  family. *J Med Genet*. 2000; 37:741-745.
- 17) Oldenburg N, Lam KM, Khan MA, Top B, Tacke NM, McKie A, **Mikhail GW**, Middeldorp JM, Wright A, Banner NR, Yacoub M. Evaluation of human cytomegalovirus gene expression in thoracic organ transplant recipients using nucleic acid sequence-based amplification. *Transplantation*. 2000;70:1209-15.
- 18) Machado RD, Pauciulo MW, Thomson JR, Lane KB, Morgan NV, Wheeler L, Phillips III JA, Newman J, Williams D, Galie N, Manes A, McNeil K, Yacoub M, **Mikhail G**, Rogers P, Corris P, Humbert M, Donnai D, Martensson G, Tranebjaerg L, Loyd JE, Trembath Rc, Nichols WC. BMPR Haploinsufficiency as the inherited molecular mechanism for primary pulmonary hypertension. *Am J Hum Genet*. 2001; 68:92-102.
- 19) Qayyum MS, **Mikhail G**, Davis II, Cox AP, Banner NR, Paterson DJ, Yacoub M, Robbins PA. The role of cardiac innervation on the post-exercise peak in T-wave amplitude. *The British J of Cardiol*. 2001;8:231-238.
- 20) **Mikhail GW**, Gibbs JSR, Yacoub MH. Pulmonary and systemic arterial pressure changes during syncope in primary pulmonary hypertension. *Circulation*. 2001 104:1326-1327.
- 21) Salmon P, Stanford SC, **Mikhail G**, Zielinski S and Pepper J. Hemodynamic and emotional responses to a psychological stressor after cardiac transplantation. *Psychosomatic Medicine*. 2001; 63:289-299.
- 22) **Mikhail GW**, Gibbs JSR, Yacoub MH. The pathophysiology of primary pulmonary hypertension. *The British J of Cardiol*. 2002; 9:265-272.
- 23) **Mikhail GW**, Gibbs JSR, Yacoub MH. Management of primary pulmonary hypertension. *The British J of Cardiol*. 2002;9:330-336.
- 24) **Mikhail GW**, Gibbs JSR, Yacoub MH. Primary pulmonary hypertension. Chapter in *The Management of Adult Congenital Heart Disease*. Churchill Livingstone. 2003:487-508

25) **Mikhail GW**. Pulmonary Hypertension. Chapter in *Specialist Training in Cardiology*. In Press.

26) **Mikhail GW**, Prasad S, Li W, Rogers P, Chester AH, Bayne S, Stephens, D, Gibbs SR, Evans T W, Mitchell A, Yacoub MH, Gatzoulis MA. Clinical and Haemodynamic effects of sildenafil in pulmonary arterial hypertension. *Eur Heart J*. 2004;25:431-436

27) Carlino M, **Mikhail GW**, Colombo A. Myogenesis and angiogenesis: an intriguing challenge. *Cardiology International. Euro PCR Special Edition 2003*;4:55-58.

28) Di Mario C, **Mikhail G**. Treating multivessel disease in the era of coated stents; Introduction. *Heart*. In Press.

29) **Mikhail GW**, Airoidi F, Tavano D, Chieffo A, Rogacka R, Carlino M, Montorfano M, Sangiorgi G, Corvaja N, Michev I, Orlic D, Di Mario C, Colombo A. The use of drug eluting stents in single and multivessel disease- Results from a single centre experience. *Heart*. In Press.

30) **Mikhail GW**, Airoidi F, Colombo A. Treatment of bifurcation lesions in the era of drug eluting stents-the 'Crush', 'Reversed Crush' and 'Skirt' techniques. *Acute & Interventional Cardiol; Section of The British J of Cardiol*. In Press.

31) **Mikhail GW**, Airoidi F, Colombo A. Acute myocardial infarction following the use of antimigraine therapy. Case Report. *J Invasive Cardiol*. In Press

32) Briguori C, Condorelli G, Airoidi F, **Mikhail GW**, Ricciardelli B, Colombo A. Impact of glycaemic and lipid control on outcome after percutaneous coronary interventions in diabetic patients. *Heart*. In Press

33) Chieffo A, Bonizzoni E, Orlic D, Stankovic G, Rogacka R, Airoidi F, **Mikhail GW**, Montorfano M, Michev I, Carlino M, Colombo A. Intra-procedural stent thrombosis during implantation of sirolimus-eluting stents. *Circulation*. In Press.

## **ABSTRACTS PRESENTED**

1) Qayyum MS, **Mikhail GW**, Davis IJ, Cox AP, Banner NR, Patterson DJ, Yacoub M, Robins P. The influence of cardiac autonomic nervous activity on the post-exercise peak in T wave amplitude. *Circulation 1994; 90:119*.

2) **Mikhail G**, Gibbs S, Chester A, Rogers P, London A, Richardson M, Khaghani A, Banner N, Yacoub M. Diurnal variation of transpulmonary endothelin-1 levels in patients with pulmonary hypertension. *British Heart Journal 1995;73:16*.

3) **Mikhail G**, Gibbs S, Chester A, Rogers P, Wright G, Khaghani A, Banner N, Yacoub M. The utility of inhaled prostacyclin in patients with severe pulmonary hypertension awaiting lung transplantation. *British Heart Journal 1995;73:31*.

- 4) **Mikhail G**, Gibbs S, Richardson M, Chester A, Rogers P, Wright G, Khaghani A, Banner A, Yacoub M. The superiority of nebulised prostacyclin in the treatment of patients with primary and secondary pulmonary hypertension. *Circulation* 1995; 92: 242.
- 5) **Mikhail G**, Al-Kattan KM, Rogers P, Cox A, Banner N, Mitchell A, Radley Smith R, Khaghani A, Yacoub MH. Determinants of long term results of heart lung transplantation for pulmonary hypertension. *The Journal of Heart and Lung Transplantation* 1996;15:S52.
- 6) **Mikhail G**, Al-Kattan K, Rogers P, Cox A, Banner N, Mitchell A, Radley-Smith R, Khaghani A, Yacoub M. Long term results of heart lung transplantation for pulmonary hypertension. *XVI International Congress of The Transplantation Society. Book of Abstracts. 1996.*
- 7) **Mikhail G**, Eadon H, Leaver N, Banner N, Khaghani A, Yacoub M. An investigation of the pharmacokinetics, toxicity and clinical efficacy of Neoral cyclosporin in cystic fibrosis patients. *XVI International Congress of The Transplantation Society. Book of Abstracts. 1996.*
- 8) Lam K, Oldenburg N, Khan M, **Mikhail G**, Strouhal P, Banner N, Yacoub M. The significance of human cytomegalovirus early transcript as a marker of active infection in transplant recipients. *Circulation* 1996;94:478.
- 9) **Mikhail G**, Gibbs JSR, Chester AH, Borland JAA, Khaghani A, Banner NR, Yacoub MH. The role of vasoactive mediators in primary and secondary pulmonary hypertension. *Heart* 1997;77:9.
- 10) **Mikhail G**, Eadon H, Leaver N, Khaghani A, Yacoub M, Banner N. Comparison of Neoral cyclosporin for de novo lung transplantation in cystic fibrosis patients. *The International Congress On Immunosuppression* 1997;74.
- 11) Habib S, Janes SM, **Mikhail GW**, Kohn M, Mitchell A, Banner N, Khaghani A, Yacoub M. Long term outcome of domino heart transplantation from donors with cystic fibrosis. *Circulation* 1997;96:I-508.
- 12) Lam KMC, Oldenburg N, Khan MA, **Mikhail GW**, Stouhal PD, Banner NR, Yacoub M. Human cytomegalovirus (CMV) gene expression as a marker of viral replication in thoracic organ transplantation recipients using reverse transcription PCR. *J Heart Lung Transplant* 1997;16:55.
- 13) **Mikhail G**, Gibbs JSR, Chester AH, Khaghani A, Banner N, Yacoub, MH. Diurnal variations in pulmonary arterial pressure and systemic arterial pressure in patients with primary pulmonary hypertension. *Eur Heart J* 1998;19:318.
- 14) **Mikhail G**, Stephens D, Rogers P, Banner N, Burke M, Mitchell A, Radley-Smith R, Khaghani A, Yacoub M. Heart Lung Transplantation for Pulmonary Hypertension. Fifteen Years Experience; 1983-1998. *Circulation. 2001;104:II-365.*

- 15) **Mikhail GW**, Prasad S, Rogers P, Chester AH, Gibbs JSR, Evans T, Mitchell A, Yacoub MH, Gatzoulis MA. Clinical and haemodynamic effects of sildenafil in pulmonary arterial hypertension. *Circulation*. 2002; 106:II-340.
- 16) Prasad SK, **Mikhail G**, Rogers P, Smith G, Pennell DJ, Kilner P, Gatzoulis M. Beneficial effect of oral sildenafil on cardiac function and ventricular remodelling in patients with pulmonary arterial hypertension. *Circulation*. 2003 *In Press*.
- 17) Rogacka R, Airoidi F, Chieffo A, **Mikhail G**, Montorfano M, Carlino M, Michev I, Colombo A. Immediate and mid-term results of the treatment of in-stent restenosis with sirolimus-eluting stents. *Am J Cardiol*. 2003;92(6A): 89L.
- 18) Chieffo A, Orlic D, Airoidi F, Michev M, Montorfano M, Carlino M, Sangiorgi G, Corvaja N, Tavano D, **Mikhail GW**, Colombo A. Early and mid-term results of Cypher stents in unprotected left main. *Am J Cardiol*. 2003;92(6A): 28L.
- 19) Chieffo A, Orlic D, Airoidi F, Michev I, Montorfano M, Carlino M, Damgiorgi G, Corvaja N, Rogacka R, **Mikhail G W**, Colombo A. Early and mid-term results of cypher stents in unprotected left main. *XXIV Congresso Nazionale Della Societa Italiana Di Cardiologia Invasiva (GISE)*. 2003;31
- 20) Chieffo A, Bonizzoni E, Orlic D, Stankovic G, Airoidi F, Rogacka R, Spanos V, Montorfano M, Michev I, Carlino M., **Mikhail G W**, Colombo A. Intra-procedural stent thrombosis: A potentially new emerging complication with usage of long stents in the drug-eluting stent era. *XXIV Congresso Nazionale Della Societa Italiana Di Cardiologia Invasiva (GISE)*. 2003;31
- 21) Rogacka R, Airoidi F, Chieffo A, Montorfano M, Carlino M, Michev I, **Mikhail G**, Colombo A. Immediate and mid-term results of the treatment of in-stent restenosis with sirolimus-eluting stents. *XXIV Congresso Nazionale Della Societa Italiana Di Cardiologia Invasiva (GISE)*. 2003;63
- 22) Chieffo A, Orlic D, Airoidi F, Michev M, Montorfano M, Corvaja N, **Mikhail G W**, Maccagni D, Colombo A. Early and mid-term results of Cypher stents in unprotected left main. *J Am Coll Cardiol*. 2004.
- 23) Chieffo A, Bonizzoni E, Orlic D, Rogacka R, Airoidi F, Montorfano M, Corvaja N, **Mikhail G W**, Colombo A. Intra-procedural stent thrombosis: a potentially new emerging complication with usage of long stents in the drug-eluting era. *J Am Coll Cardiol*. 2004.

***Submitted and in preparation***

Airoidi F, Michev I, Montorfano M, Carlino M, Chieffo A, **Mikhail GW**, Stankovic G, Orlic D, Iakovou I, Briguori C, Rogacka R, Colombo A, Immediate

and mid term clinical outcome of sirolimus eluting stent implantation in bifurcational coronary artery lesions. *Submitted to Am J Cardiol.*

Michev I, **Mikhail GW**, Colombo A. Pseudo-Bifurcation lesion treated with drug eluting stent using the 'Skirt Technique'. *Submitted to J of Invasive Cardiol.*

**Mikhail GW**, Airoidi F, Chieffo A, Rogacka R, Michev I, Vitrella G, Carlino M, Montorfano M, Sangiorgi G, Corvaja N, , Colombo A. The use of drug eluting stents in the treatment of proximal left anterior descending lesions. *In preparation.*

Sangiorgi G, Carbone GL, **Mikhail GW**, Oxvigs C, Medda M, Inglese L, Colombo A, Schwartz RS. Plaque sealing with stenting is associated with marked reduction in biological markers of vulnerability. *In preparation.*

**Mikhail GW**, Stephens D, Rogers P, Banner N, Burke M, Mitchell A, Radley-Smith R, Khaghani A, Yacoub MH. Long Term Results of Heart Lung Transplantation for Pulmonary Hypertension. Analysis of a Fifteen Year Experience. *In preparation.*

**Mikhail GW**, Gibbs JSR, Banner N, Yacoub MH. Diurnal variations in systemic and pulmonary arterial pressure in patients with pulmonary hypertension. *In preparation.*

Bishop AE, Mason NA, Chacon MR, Arandilla A, **Mikhail G**, Cool CD, Yacoub, MH, Geraci MW, Sheperd D, Tudor RM, Polak JM, Voelkel NF. Reduced expression of prostacyclin receptor in primary pulmonary hypertension. *In preparation.*

## **INVITED PRESENTATIONS**

The Use Of Neoral In Heart Transplant Recipients. *Presented at the Plenary Session of The Third International Congress On Cyclosporine. Seville, Spain March 1994.*

The Pathophysiology Of Primary And Secondary Pulmonary Hypertension. *Presented at The Annual Research Meeting Of The Royal Brompton National Heart and Lung Institute. May 1994.*

The Use Of Neoral In Heart Transplant Recipients. *Presented at The Annual Research Meeting Of The Royal Brompton National Heart and Lung Institute. May 1994.*

Long term results of heart lung transplantation for pulmonary hypertension. Analysis of a thirteen year experience. *Presented at The European Society of Cardiology-Controversies on Pulmonary Hypertension. June 1999, France.*

## **MEMBERSHIP OF SOCIETIES**

British Medical Association  
The Royal College of Physicians  
The British Cardiac Society  
British Cardiovascular Intervention Society

### **MEETINGS ATTENDED**

The British Cardiac Society Annual Meeting. 1995, 1997, 1999.  
The European Heart Meeting. Vienna, 1998.  
The American Heart Association Scientific Session. Anaheim 1995, New Orleans 1996, Atlanta 1999, Atlanta 2001, Chicago 2002.  
Transcatheter Therapeutics Meeting -TCT. Washington, 2000.  
The American College of Cardiology Meeting. Orlando, 2001.  
The Annual Meeting of The International Society of Heart and Lung Transplantation. Venice, 1994, New York, 1996.  
The Third International Congress on Cyclosporin. Seville, 1994.  
The XVI International Congress Of The Transplantation Society. Barcelona, 1996.  
The International Congress On Immunosuppression. Orlando, 1997.

Hypertension Update VII. Cambridge, 1995.

Education and Training Programme entitled 'Controversies in Pulmonary Hypertension'. *Faculty member*. France, June 1999.

A National Consensus meeting on the treatment of Pulmonary Hypertension. Royal College of Physicians, March 2000.

Bosentan in Pulmonary Arterial Hypertension. Venice, May 2002.

UK and Ireland Pulmonary Hypertension Research Meeting. October 2002.

London Intervention. July 2002, 2003.

British Cardiac Intervention Society (BCIS). Advanced Angioplasty. London, 2003.

Joint Interventional Meeting (JIM). Italy, 2003.

The Paris Course on Revascularisation (PCR). 2003

### **COURSES ATTENDED**

Advanced Life Support (ALS ) Instructor Course. Resuscitation Council (UK), May 1996.

Advanced Life Support (ALS) course. Resuscitation Council (UK), Annual attendance as an instructor since October 1996.

Transoesophageal echocardiography course. Harefield Hospital, August 1997  
Echocardiography II. Hewlett-Packard course. November 1997

Management Course for Doctors. Royal College of Physicians. November 2000.

## **TEACHING**

Teaching on MRCP part II course; Barnet General Hospital.

Instructor and Course Co-director at Harefield Hospital for the Resuscitation Council (UK).

Faculty member of The European Society of Cardiology- Controversies on Pulmonary Hypertension.

Involved with regular teaching of medical students, cardiac lab technicians and nursing staff.

## **AUDIT**

An audit on the implementation of a weight-based nomogram for the delivery of intravenous unfractionated heparin therapy in cardiac patients.

An audit of percutaneous coronary interventional procedures carried out during the year 2002 at The Royal Brompton Hospital.

## **ADMINISTRATIVE EXPERIENCE**

Founder of The Royal Free SCUBA Diving Club as a special branch of The British Sub Aqua Club.

Chairman of The Royal Free Scuba Diving Club ( 1986-1989 ).

Instructed and lectured in Sub Aqua techniques ( 1986-1989 ).

Chairman of Greenwich Bays ( British Association of Young Scientists-1984).

At The Royal Brompton Hospital

I have been responsible for :

- devising Catheter Lab protocol for the use of vasodilators as part of reversibility studies in patients with primary and secondary pulmonary hypertension.

- the organisation of the Fast Track Angioplasty Service.

- the organisation of Catheter Lab sessions and Clinic allocation for SpRs
- the organisation of SpR and SHO medical On Call rota.
- the induction and teaching of newly appointed SHO's
- recording Catheter laboratory complications and regular attendance of Clinical Risk Management Group meetings.

**MEDICAL ELECTIVE IN PERTH, AUSTRALIA ( Nov 1989 - Jan 1990 ) :**

Charles Gardner Hospital, Queen Elizabeth II Medical centre and The Royal Perth Hospital. In these two hospitals I studied and trained in Cardiology and Gastroenterology. I attended the Coronary Care ward rounds and medical outpatient clinics. I also attended gastroscopy lists and cardiac catheterisation lists. I travelled widely in Australia and spent time with the Flying Doctor Service.

**INTERESTS / ACTIVITIES**

Scuba dived in the British Isles and the Red Sea.

Speech & Drama Grade IV, Trinity College of Music, London.

Classical Guitar to Grade III , Guildhall School of Music and Drama, London.

Medal awarded from the British Lawn Tennis Coaching School (1983)

Drama Society make-up artist for the RFHSM stage productions. (1984-1989)

Interests include: Tennis, scuba diving, exercising at the gym and travelling: visited most countries in Europe, USA, Asia, Australia, Canada and the former USSR.