

**Curriculum Vitae of**

**GRAHAM ROBERT NIMMO**

**BSc, MB ChB, MD (Edin), EdD (Stir), FRCP (Edin), DA, FFARCSI, FFICM**

**September 2020**

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## CURRICULUM VITAE

Name                      Graham Robert Nimmo

Date of birth              4<sup>th</sup> June 1959

Marital status            Married

Children                  Rachael 34, Lauren 23 and Robert 21

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GMC Registration No.    2623069                  August 1983

### Education

**1971-76**                    Bathgate Academy  
Science Dux  
1st prizes in English, Biology, Chemistry  
Debating Society Prize

**1976-1982**                University of Edinburgh Medical School

## QUALIFICATIONS

BSc (Med Sci)	(Edinburgh)	1979
MB ChB	(Edinburgh)	1982
MRCP	(UK)	1985
FFARCSI	(Dublin)	1996
MD	(Edinburgh)	1996
FRCP	(Edinburgh)	1998
FFICM (founding fellow)	(UK)	2011
EdD	(Stirling)	2014

Citations for teaching excellence, University of Edinburgh 2001 & 2002

ATLS Provider	(Londonderry)	1993
PALS provider	(Glasgow)	1995
ALS provider	(Glasgow)	1995
ALS Instructor		1996: re-certified October 2016
ALS Director		1996-2008 2018 re-accredited

RYA Basic, intermediate and advanced dinghy sailing

## **Current Posts**

Retired

### **University of Edinburgh**

Joint Director, MSc in Critical Care

Critical Care Lead, ESSQ/MSc Surgery 2016

## **CONSULTANT CLINICAL EXPERIENCE: SUMMARY**

### **Clinical practice**

I was one of ten consultants working in the sixteen bedded Intensive Care Unit in the Western General Hospital. This is a busy unit with around 700 admissions annually.

I participated in the ICU consultant rota as a full time intensivist. Intensive care and high dependency care are provided for patients of the Physicians of all specialities located in the hospital - Acute Medicine and the Medical Specialities, Colo-Rectal and Urological Surgeons, Haematology and Oncology and for the regional Neurosciences service.

01/10/2006-to 04/06/2019	Consultant in Intensive Care Medicine and Clinical Education, Western General Hospital
01/08/2004- 1/06/2012	Deputy Director, Scottish Clinical Simulation Centre
08/1/1996-to 30/9/2006	Consultant in Acute Medicine and Intensive Care, Western General Hospital, Edinburgh
01/08/2002-31/07/2004	Educational Co-Director, Scottish Clinical Simulation Centre, Stirling Royal Infirmary
2001-2003	Clinical Sub-Dean, Medical Sciences, University of Edinburgh
1999- to date	Honorary Senior Lecturer, Medical Sciences, University of Edinburgh
08/01/96- 01/10/2006	Consultant Physician in Acute Medicine and Intensive Care, Western General Hospital

## **KEY STRATEGIC ACTIVITIES**

### **NHS Lothian, University of Edinburgh and Royal College of Physicians of Edinburgh**

Clinical Lead Acute Receiving Unit, Western General Hospital 1996-2006

Editor Adult Medical Emergencies Care Handbook for NHS Lothian (7th edition App/Android) 1996 to date

Clinical and Educational Lead Lothian Advanced Critical Care Practitioner Programme 2009 to present

Lead for Year 5 Medical Student Simulation Training at Scottish Clinical Simulation Centre 1999-2009

### **Scottish Intensive Care Society**

President, Scottish Intensive Care Society 2014-2016

Chair Scottish Intensive Care Society Education Group 2005-2010

Lead Scottish Intensive Care Society Simulation Group 2014-2017

### **Scotland and UK**

Member Board of Faculty of Intensive Care Medicine (FICM) 2011-2016

Member Inter-collegiate Board for Training in Intensive Care Medicine 2003 to 2010

Member FICM Curriculum and Examination Development Group leading to production of CCT in Intensive Care Medicine Curriculum and Assessment System

Lead writer/editor of FICM ACCP Syllabus/Curriculum published June 2015

Co-chair, Advanced Critical Care Practitioner Advisory Group, FICM 2010-2016

Member UK Critical Care Leadership Forum 2014-2016

Lead Scottish Clinical Skills Network Human Factors Special Interest Group 2016

Past Chair Scottish Clinical Skills Network 2009-2011

Leadership group, Scottish Mortality and Morbidity Review Group 2014-2016

### **Teaching, Training and Educational Roles, Developments and Experience**

## **Awards**

NHS Lothian Mentor of the Year jointly with Jane McNulty 2014  
ACAP Annual award for contribution to advanced practice in Scotland 2017  
ESSQ tutor of the Year 2019

## **University of Edinburgh**

Contributor to Year 4 MBChB Medicine Respiratory Medicine clinical module  
Contributor to Year 6 MBChB Medicine clinical modules  
Examiner, MBChB

Contributor to Year 3 BN Nursing Studies NUST 10040  
Clinical Decision Making and Professional Judgement 2005-present

### Postgraduate

Contributor Continuing Professional Development in Nursing Studies  
Clinical Decision Making and Professional Judgement 2005-present

Module Lead Acute Medicine and Human Factors, MSc Internal Medicine  
RCPE/University of Edinburgh 2013 to present  
Deputy Programme Director, MSc Internal Medicine 2016

Critical Care Lead, ESSQ/MSc Surgery 2016

Contributor Critical Care ChM General Surgery 2016  
Contributor Critical Care ChM Trauma and Orthopaedics 2016

## **NHS Lothian**

Clinical Director, Advanced Critical Care Practitioner Programme

FY2 teaching on Human Factors

Editor, NHS Lothian Adult Medical Emergencies Handbook

Clinical Director Adult Clinical Decision Making Module

Contributor Advanced Patient History Taking and Clinical Examination Module

Clinical Director Professional Clinical Workplace Learning in Critical Care  
Module

## **Napier University**

Clinical Lead for NHS Lothian Non Medical Prescribing for Advanced Critical  
Care Practitioners  
Designated Medical Prescriber

## **Assessment**

Examiner for MRCP (UK) PACES, RCP (Edin) 2007-present  
Host examiner for MRCP (UK) PACES, RCP (Edin) 2009- present  
Hosted double exam CSAC WGH 2013, 2014, 2015  
PACES Cairo, Egypt February 2013; Muscat Oman 2015

Chair of examiners for first joint RCPE/RCPSG PACES, Aberdeen, Nov 2014

Examiner FFICM 2012-present

Examiner Diploma in Intensive Care Medicine (UK)  
Examiner and Host European Diploma in Intensive Care  
Director thirty ALS courses  
Examiner for Final MB ChB, University of Edinburgh

2013-2015	Edinburgh Quality Improvement Patient Safety Group (EQuIPS)
2012-2014	Editor FICM Newsletter 'Critical Eye'
2004-2012	Chair Scottish Clinical Decision Making Group, Scottish Clinical Skills Network
2010-present	FFICM OSCE development group
2003 to 2010	Member Intercollegiate Board for Training in Intensive Care Medicine, representing Royal College of Physicians' Edinburgh
1996-to date	Member Scottish Intensive Care Society Education Group: (chairman 2005-2010)
1998 to 2010	Intercollegiate Board for Training in Intensive Care Medicine Tutor, ICU Western General Hospital
1998-to 2010	Member South East Scotland Intensive Care Medicine Training Committee
1998- 2006	Educational supervisor for all Medical SHOs
1998- to date	Educational Supervisor for all supernumerary SpRs in Medicine attached to ICU (around 8 per year)
2006- 2010	Supervisor for ICM Respiratory and Medical SpRs
2004- 2008	Chair of working group on Acute Care Skills Training and Assessment for Scottish Deans' Undergraduate Medical Curriculum Group
2002-3	The Scottish Doctor: member of working group on Clinical skills, practical procedures, patient investigation, patient management
2002-2005	Member Trust/Division Postgraduate Education Board

1998-2002	Member Trust Postgraduate Education Committee
1996- 2015	Member ICU WGH education steering group
1997-2001	Member Clinical Skills, Personal Professional Development steering group for Undergraduate Medical Curriculum
2004-2005	Preparing for Practice Co-ordinator. This week long course is designed to link the end of final year at medical school and the first year in clinical practice.
2004	Co-ordinated the development of a national course 'Rapid Sequence Intubation for Assistants' with support from NES.
2005- 2009	Member Lothian Regional Strategic Advancing Roles Group

Administration and NHS Management Contributions: see Appendix 2

**Courses and symposia: attended, presented at, organised, run**

Sixth South-East Faculty of Clinical Educators Annual Conference, Chancellor's building, University of Edinburgh 18<sup>th</sup> November 2015

Scottish Acute Care and Advanced Practice Annual Meeting Speaker Critical Care Referrals Carlton Hotel, Edinburgh, 6<sup>th</sup> November 2015

Combined South-East Scotland Society of Anaesthetists and ITU Group Annual meeting Speaker Clinical Handover Summerhall, 5<sup>th</sup> November 2015

Undergraduate and Postgraduate Nursing Speaker Clinical Decision Making, David Hume Tower, University of Edinburgh 16<sup>th</sup> October 2015

SICS trainee education meeting Speaker Clinical Decision Making Chancellor's building, RIE 12<sup>th</sup> October 2015

RCPE Evening Medical Symposium Speaker Management of Anaphylaxis 30<sup>th</sup> September 2015

RCPE invited workshop: Seven Day Working University of Durham 22<sup>nd</sup> September 2015

SE Scotland Intensive Care Quality Improvement trainee presentations, Summerhall, 16<sup>th</sup> September 2015

Top Hat voting system seminar, Chancellor's building, University of Edinburgh 10<sup>th</sup> September 2015

Academy of Medical Royal Colleges Vanguard event, The Oval, London 8th September 2015

SICS Audit Group Annual Meeting, Golden Jubilee Hospital/Beardmore Hotel, 4th September 2015

NHS Lothian Human Factors Group meeting, RIE, 3rd September 2015

NHSBT Organ Donation seminar for senior high school students, Napier University, Sighthill, Edinburgh Workshop on intensive care and organ donation 2nd September 2015

3rd Faculty of Intensive Care Medicine Advanced Critical Care Practitioners annual meeting, RCOA, London 3rd July 2015 Speaker: Putting the Care into Intensive Care

Clinical decision making, grand round at Gilbert Bain Hospital, Lerwick, NHS Shetland, 22nd June 2015

SICS Audit Group Ward Watcher Training Beardmore Hotel, 8th May 2015

NHS Lothian CDM Course PG Centre, Royal Infirmary of Edinburgh. Speaker: Clinical Decision Making 27th April 2015

Scottish Government launch of Out of Hospital Cardiac Arrest Strategy, Edinburgh Castle, 26th March 2015

Patient/family council meeting, ICU, Glasgow Royal Infirmary 21st March 2015

Scottish Intensive Care Society ASM St Andrews 22nd-23rd January 2015

Seminar on Effective Educational Supervision NHS Lothian 8th December 2014

54th St Andrews Day Festival Symposium-Updates in Acute Medicine RCPE 4th December 2014

South-East Faculty of Clinical Educators annual meeting RIE 20th November 2014

Nasal high flow oxygen delivery, Anaesthetic Department, WGH 14th November 2014

Glasgow Medical Student study day 9th November 2014 Speaker: intensive care medicine as a career

Front of neck access development day, SCSC 31st October 2014

RCPE Evening Medical Update Anaphylaxis, 23rd September 2014 Speaker

SICS Audit Group annual meeting Stirling, 5th September 2014

SICS senior trainee group, RIE 5<sup>th</sup> September, 2014 Speaker; Intensive Care for Haematology Patients

ProPEL Professionalism, Practice, Education and Learning conference, Institute of Education, University of Stirling, 25<sup>th</sup>-26<sup>th</sup> June 2014 (presenting/chair)

Clinical decision making, grand round at Belford Hospital, Fort William, 18<sup>th</sup> June 2014

Chest ultrasound course, WGH 9<sup>th</sup> June 2014

Doctoral conference, Institute of Education, University of Stirling, 31<sup>st</sup> May 2014 (presenting)

CODE ACTS , Pollock Halls, Edinburgh, 9<sup>th</sup> May 2014

SAMsterDAM meeting, Amsterdam, 1<sup>st</sup>-2<sup>nd</sup> May 2014 Speaker: Time to make critical clinical decisions

Critical Issues in Medical HDU, Royal College of Physicians and Surgeons of Glasgow 28<sup>th</sup> March 2014 (speaker)

Faculty of Intensive Care Medicine Annual Meeting 7<sup>th</sup> March 2014

Scottish Society of Anaesthetists centenary meeting, RCS Edinburgh, 20<sup>th</sup>-21<sup>st</sup> February 2014 Speaker: the future of intensive care

FICM RAs and tutors meeting, RCoA 14<sup>th</sup> February 2014 Speaker

SICS Annual Scientific Meeting 23<sup>rd</sup>-24<sup>th</sup> January 2014

Society for Acute Medicine, SECC, Glasgow 3<sup>rd</sup>-4<sup>th</sup> October 2013

Multi-agency inter-professional simulation exercise: MAISE Oban, September 22<sup>nd</sup> 2013

Scottish Patient Safety Programme, Learning Session 10 28<sup>th</sup>-29<sup>th</sup> August 2013 Chair VTE session and presenting

Prize giving, Bathgate Academy, 26<sup>th</sup> June 2013

Society of Devon Intensive Therapists: SODIT annual scientific meeting, Devon 13<sup>th</sup>-14<sup>th</sup> June, 2013

Doctoral conference, Institute of Education, University of Stirling, 18<sup>th</sup> May 2013 (presenting)

VTE day, Greater Glasgow and Clyde, RCPSG, 9<sup>th</sup> May 2013

Inaugural lecture: Professor Tonks Fawcett, University of Edinburgh, 30<sup>th</sup> April, 2013

FICM annual meeting, 1<sup>st</sup> March 2013

ICS State of the Art meeting 10<sup>th</sup>-12<sup>th</sup> December 2012

Scottish Patient Safety Programme, Learning Session 9 8<sup>th</sup>-9<sup>th</sup> November 2012  
Chair VTE session and presenting

Clinical Decision Making for Scottish Ambulance Service, Falkirk Fire Station,  
31<sup>st</sup> October 2012

Neurology Symposium RCP Edinburgh 4<sup>th</sup> October 2012

Scottish Clinical Skills Network Annual Scientific Meeting 30<sup>th</sup> and 31<sup>st</sup> August  
2012 Napier University Edinburgh

Scottish Clinical Skills Network Annual Scientific Meeting 15<sup>th</sup> and 16<sup>th</sup>  
September 2011 Medical School St Andrews University Chair Steering Group

Royal College of Physicians of Edinburgh Hot Topics Symposium Diagnostic  
Error: Understanding it and Reducing it 14<sup>th</sup> September 2011 University of  
Edinburgh Chair Symposium Organising Committee

Royal College of Physicians of Edinburgh Hot Topics Symposium Patient  
Safety and Clinical Decision Making Jan 2011 Chair Symposium Organising  
Committee

Scottish Intensive Care Society ASM: scientific programme organiser  
St Andrews January 2011

Scottish Intensive Care Society ASM: scientific programme organiser  
St Andrews January 2010

Obesity Symposium

Royal College of Physicians of Edinburgh 2009  
Chair organising committee for RCPE, RCPSG and RCoA

- |           |  |
|-----------|--|
| 1996      | Introduced Advanced Life Support Courses at WGH; have directed 24 courses to date.   |
| 1996-2004 | Co-director Adult Medical Emergencies Courses (Trainee and Consultant courses) Lister Edinburgh with Professor Derek Bell. |
| 1996-2002 | Organised and spoke on seven annual Acute Receiving Unit Study Days  |

- 1996-2004 Developed and ran Medical Emergencies course for Year 5 (final year) Medical students.
- 2000-2001 Developed Critical Illness Management computer aided learning package for Year 5 medical students with Dr David Swann
- 2001 to date Supervise Year 5 medical student attachments to ICU
- 1998- 2012 Designed and run Acute Medicine and Resuscitation Course for new Medical and Anaesthetic SHOs as part of induction.
- 2002-2005 Organised, ran and participated in PRHO Teaching Programme, WGH
- 2002 Introduced Immediate Life Support Course for undergraduates.
- 2002-2012 Tutor ICM SpR tutorial programme
- 2003-2004 Consultant to web-based teaching programme on 'Assessment and Management of the Acutely Ill Patient' with UHI, NES and LUHT.
- 2004- 2011 Directed/taught 18 Rapid Sequence Intubation for Assistants courses for Lothian Health staff and facilitated 2 other Lothian Courses
- 2005- 2010 Hospital at Night: developed and ran Critical Decision Making teaching programme.  
Revised needs assessment audit tool.  
Re-wrote operational policy
- 2005 to date Rapid Sequence Intubation for Assistants Course run for NHS Lothian annually. Now developed into East Scotland Training in Emergency Airway Management course: ESTEAM.

### **Scottish Clinical Simulation Centre**

I have worked with the team in SCSC (**now SCSC<sub>HF</sub>**) since 1999 in Stirling RI. I initiated, developed and ran the Edinburgh Year 5 Medical Undergraduate training and was subsequently seconded as Educational Co-Director.

Over the last 15 years I have initiated, developed and run a variety of courses.

- Medical emergencies for undergraduates: Edinburgh
- Medical emergencies in the Dental Chair: undergraduate and post-graduate. All Vocational Trainees in Scotland trained annually.
- Dental Team Training for Emergencies: Highland Region.
- Medical emergencies for Hospital Emergency Care (HECT) Practitioners Lanarkshire

- Medical and Surgical Emergencies for Nurses (Queen Margaret University College, Edinburgh)
- Emergencies Courses for Refugee Doctors
- Clinical Decision Making and Non-Technical Skills courses for Hospital at Night Advanced Nurse Practitioners: Edinburgh, Dundee, North Glasgow.
- Hospital at Night Team training: Edinburgh, Dundee, North Glasgow.
- Diagnostic skills for nurses. Stirling University.
- Obstetric emergencies: FVRH team training.
- Neonatal and Paediatric extra-corporeal membrane oxygenation: Yorkhill Hospital, Glasgow and Great Ormond Street, London. This was the second ECMO simulation course worldwide and the clinicians in Yorkhill now run it in situ with themselves as faculty.

#### Principles of Intensive Care Training

Having developed a portfolio of simulation based scenarios for teaching in intensive care with the ESICM SAInT group which I set up and chaired (simulation applied to intensive care training), we have utilised a group of these scenarios in developing the Principles of Intensive Care Training course (PICT) which we run at the Scottish Clinical Simulation Centre.

### **Educational and Research Strategy**

The aim of my teaching and educational endeavours is to improve clinical *care* by enabling health care providers to apply knowledge and skills in an integrated approach to patients, by minimising adverse events and improving clinical human factors and critical clinical decision making. I am developing a research approach based on qualitative methods to examine how our educational interventions actually impact on patient outcomes, clinical and humane.

### **Clinical Decision Making**

I set up a Scottish Clinical Decision Making Group with a view to improving how it is taught and to identify areas for health services research around decision making and the effect on the quality and safety of patient care. I teach on this regularly on the NHS Lothian CDM course, to undergraduate and postgraduate nurses in University of Edinburgh and to Year 3 Medical students at University of Edinburgh. I have been invited to deliver this teaching to all Foundation trainees in NHS Lothian starting early 2016.

**Adult Medical Emergencies Handbook Lothian.** The 6<sup>th</sup> edition has been developed into an App as part of the Lothian Acute Clinical Care Toolkit which is available through the App store. A web-based toolkit is also available and an Android version is under development.

### **Scottish Intensive Care Society Education and Training Group**

This group has developed a programme of fifteen web based induction teaching modules for novices in ICM (revised in 2012-2013) and is developing a course for trainees undergoing advanced intensive care training.

(Visit [www.scottishintensivecare.org/education](http://www.scottishintensivecare.org/education))

### **University of Edinburgh Virtual Patient Project: Labyrinth**

With the Learning Technology Section of the School of Medicine and Veterinary Medicine we have developed a group of virtual patients whom the final year students will 'meet' during their Acute Medicine block. The emphasis is on decision making (including diagnosis) and prioritisation.

### **Audit**

I have been actively involved in the collection of audit data, particularly with regard to the activities of the cardiac arrest team, Medical Emergency Team and for Acute Internal Medicine. I have undertaken an audit of the use of pulmonary artery catheters in Scottish ICUs, and the pattern of tracheostomy use in the same area. I have carried out an audit of Medical High Dependency requirements in WGH and an audit of oxygen therapy in Medicine in WGH. I am actively involved in the SICS audit using WardWatcher and in our ongoing HAI and SPSP audit projects. I am an active participant in the critical care morbidity and mortality audit for WGH. I was an assessor for the Scottish Audit of Surgical Mortality. SMMoRG. Audit of Haematology admission to ICU

## RESEARCH

Doctor of Medicine  
University of Edinburgh 1996

### Cardiorespiratory and Metabolic Changes in Shock and Critical Illness

During my time as a Research Fellow I studied the changes in cardio-respiratory function, lactate metabolism and acid-base status in shock and other critical illness. I also assessed the effects of different treatments on these factors. The funding for this research was raised by myself (£40,000 over 2 years from Lilly Industries), and with Professor Allan Cumming (£3,000 from Bayer).

#### Clinical Studies

The utility of arterial blood lactate concentrations to determine the presence or absence of tissue hypoxia has been widely proposed. We studied patients with adult respiratory distress syndrome and septic shock during resuscitation, and demonstrated an apparent tissue oxygen debt despite normal lactate measurements. In another study, we showed that severe shock is not always accompanied by hyperlactataemia.

In a group of patients with multiple organ failure being treated with lactate containing haemofiltration fluid we showed that with adequate prior resuscitation this potentially detrimental treatment is well tolerated. In a similar group of patients we documented the cardiorespiratory effects of the intravenous anaesthetic induction agent propofol, used in sedative doses.

#### Laboratory Studies

In collaboration with Dr Allan Cumming, Senior Lecturer in Nephrology and Medicine, University of Edinburgh I have conducted a series of animal experiments.

We developed a sheep model of severe systemic sepsis and septic shock. In the initial study we demonstrated the beneficial effects of the kallikrein inhibitor aprotinin on haemodynamics and renal function in this model. These findings support the importance of kallikrein activation in the pathophysiology of septic shock. In the subsequent study we used aprotinin as an intervention in established septic shock, demonstrating striking haemodynamic improvements with it, leading us to conclude that there may be a role for this or similar agents in human sepsis.

These studies formed the basis of my MD thesis.

**Doctor of Education  
University of Stirling 2014**

**Materialities of clinical handover in intensive care:  
challenges of enactment and education**

**Abstract**

The research is situated in a busy intensive care unit in a tertiary referral centre university hospital in Scotland. To date no research appears to have been done with a focus on handover in intensive care, across the professions involved, examining how handover is enacted. This study makes an original contribution to the practical and pedagogical aspects of handover in intensive care both in terms of the methodology used and also in terms of its findings.

In order to study handover a mixed methods approach has been adopted and fieldwork has been done in the ethnographic mode. Data has been audio recorded and transcribed and analysed to explore the clinical handovers of patients by doctors and nurses in this intensive care unit. Texts of both handover, and the artefacts involved, are reviewed. Material from journals, books, lectures and websites, including those for health care professionals, patients and relatives, and those in industry are explicated. This study explores the role of material artefacts and texts, such as the intensive care-based electronic patient record, the whiteboards in the doctors' office, and in the ward, in the enactment of handover. Through analysis of the data I explore some of the entanglements and ontologies of handover and the multiple things of healthcare: patients, information, equipment, activities, texts, ideas, diseases, staff, diagnoses, illnesses, floating texts, responsibility, a plan, a family. The doing of handover is framed theoretically through the empirical philosophy of Mol's identification of multiple ontologies in clinical practice (Mol, 2002). Each chapter is prefaced by a poem, each of which has relevant socio-material elements embedded in it. The significance of the findings of the research for both patient care and clinical education and learning is surfaced.

Thesis available on-line at the STirling On-line Research REpository: [STORRE](#)

## PUBLICATIONS

### Original Papers

Croskerry P, Nimmo G. Better clinical decision making and reducing diagnostic error. *J R Coll Physicians Edinb* 2011;41:155-162.

doi:10.4997/JRCPE2011.208

Wilde JD, Bion JF. The educational environment for training in intensive care medicine: structures, processes, outcomes and challenges in the European region. The CoBaTrICE collaboration. *Intensive Care Medicine* published online 23 June 2009. DOI 10.1007/s00134-1514-4.

Nimmo GR and Mitchell C. An audit of interruptions in Intensive Care. *Journal of the Intensive Care Society* 9;3:240-242, October 2008.

Nimmo GR, Wyllie G, Scarth J, Simpson J, Gracie E, Torrance I, Liddell M, Davis C.

Critical events training for neonatal and paediatric Extracorporeal Membrane Oxygenation. *Journal of the Intensive Care Society* 9;1:20-22. April 2008

Johnston F, Wardlaw J, Dennis MS, Lewis S, Nimmo G, Lindley RI, Warlow CP.

Delays in stroke referrals. *Lancet* 1999; 354(9172):47-48.

Hughes M, Grant IS, Biccard B, Nimmo GR.  
Suxamethonium and critical illness polyneuropathy.  
*Anaesthesia and Intensive Care* 1999; 27:636-638.

Nimmo GR, Mackenzie SJ, Grant IS.  
Haemodynamic and oxygen transport effects of propofol infusion in critically ill adults. *Anaesthesia* 1994; 49:6:485-489.

Nimmo GR, Armstrong IR, Grant IS.  
Sampling site for blood lactate: arterial or mixed venous? *Clinical Intensive Care* 1993; 4:8-9.

Nimmo GR, Mackenzie SJ, Nicol M, Walker S, Grant IS.  
Acid-base responses to high-volume haemofiltration in the critically ill.  
*Nephrology Dialysis Transplantation* 1993; 8:854-857.

Nimmo GR, Mackenzie SJ, Walker S, Catnach J, Nicol M, Armstrong IR, Grant IS.  
The relationship of blood lactate levels, oxygen delivery and oxygen consumption in septic shock and ARDS. *Anaesthesia* 1992; 47:12:1023-1028.

Nimmo GR, Nightingale P, Edwards JD.  
Acute renal failure in the critically ill. *Postgraduate Medical Journal* 1992; 68:S1.

Cumming AD, Nimmo GR.  
Hemodynamic, renal, and hormonal actions of aprotinin in an ovine model of septic shock. *Critical Care Medicine* 1992; 20:8:1134-1139.

Nimmo GR, Grant IS, Mackenzie SJ.  
Lactate and acid-base changes in the critically ill. *Postgraduate Medical Journal* 1991; 67:S56-S61.

Mackenzie SJ, Nimmo GR, Armstrong IR, Grant IS. The haemodynamic effects of intermittent haemofiltration in critically ill patients. *Intensive Care Medicine* 1991; 17:346-349.

Mackenzie SJ, Kapadia F, Nimmo GR, Armstrong IR, Grant IS.  
Adrenaline in treatment of septic shock: effects on haemodynamics and oxygen transport. *Intensive Care Medicine* 1991; 17:36-39.

Harrison DJ, Simpson R, Abernethy VA, Nimmo GR.  
Antibodies to neutrophil cytoplasmic antigens in Wegener's granulomatosis and other conditions. *Thorax* 1989; 44:373-377.

Collier A, Steedman DJ, Patrick AW, Nimmo GR, Matthews DM, Macintyre CCA, Little K, Clarke BF.  
Comparison of intravenous glucagon and dextrose in the treatment of severe hypoglycaemia in an accident and emergency department. *Diabetes Care* 1987; 10:712-715.

Nimmo GR, Ryan M, Chalmers N, Patrick AW.  
The clinical importance of subnormal folate levels in epileptics on anticonvulsant therapy. *Scottish Medical Journal* 1987; 32:6:171-172.

Nimmo GR, Lawson AAH.  
Parenteral chlorpromazine and frusemide: safe and effective treatment for hypertensive emergencies. *Current Medical Research and Opinion* 1986; 10:3:203-208.

Critchley JAJH, Nimmo GR, Gregson CA, Prescott LF.  
Intersubject and ethnic differences in paracetamol metabolism. *British Journal of Clinical Pharmacology* 1986; 22:649-657.

Fraser DM, Nimmo GR, Broniecki JD.  
Acebutolol in the treatment of diabetic patients with hypertension. *Current Medical Research and Opinion* 1986; 10:2:122-127.

### **Books and Chapters: last five years**

Nimmo GR Staff training and development in Handbook of Intensive Care Organization and Management Eds Webb A, Ramsay G Imperial College Published 2017

Nimmo GR. Seizures. Clinical cases in ICU Eds Bryden D, Temple A. OUP 2017 in press.

Nimmo GR, Hughes M. Models of Clinical Reasoning in ABC of Clinical Decision Making 2016 Cooper N, Frain J Eds BMJ pp.17-21  
<http://eu.wiley.com/WileyCDA/WileyTitle/productCd-1119059089.html>

Fenwick T, Nimmo GR. Making Visible What Matters: Sociomaterial Approaches for Research and Practice in Healthcare Education pp67-80. In Researching Medical Education 2015 Eds Cleland J, Durning S. Wiley.

Nimmo GR, Shippey B. Clinical skills in intensive care. Oxford Textbook of Critical Care Eds Webb A, Angus D, Finfer S, Gattinoni L, Singer M. 2016

Shippey B, Nimmo GR. Simulation in intensive care. Oxford Textbook of Critical Care Eds Webb A, Angus D, Finfer S, Gattinoni L, Singer M. 2016

Nimmo GR, Walsh T. Critical Illness. In Davidson's Principles and Practice of Medicine 22<sup>nd</sup> Edition. Eds Colledge NR, Walker BR, Ralston SH. Ch 8 Elsevier 2013.

Young NH, Nimmo GR. Anaphylaxis. In Medicine Volume 41, Issue 3, Pages 127-131. Eds Bell D, and Jones M 2013

Nimmo GR, Singer M. (Eds). ABC of Intensive Care, Blackwell August 2011.

Nimmo GR, Hughes M. Communication and decision making pp 4-7 in ABC of Intensive Care Blackwell 2011.

Nimmo GR, Hughes M. The importance of diagnosis. In Oxford Specialist Handbook of Respiratory Intensive Care, Eds Hughes M, Black R OUP 2011.

McLellan SM, Nimmo GR. Ventilator-associated lung injury. In Oxford Specialist Handbook of Respiratory Intensive Care, Eds Hughes M, Black R OUP 2011.

Nimmo GR, Douglas G. Acute asthma. In Oxford Specialist Handbook of Respiratory Intensive Care, Eds Hughes M, Black R OUP 2011.

### **Books and Chapters-over five years old**

Grant IS and Nimmo GR. Critical Illness. In Davidson's Principles and Practice of Medicine 21<sup>st</sup> Edition. Eds Colledge NR, Walker BR, Ralston SH. Ch 8 pp177-203 Elsevier 2010.

Nimmo GR, Young NH.  
Anaphylaxis. In Medicine Eds Bell D, Jones M. Volume 37, Issue 2, Pages 57-60 (February 2009).

Nimmo GR, Shippey B. Practice Teaching in Anaesthesia and Intensive Care. In: Practice Teaching Eds Smith A, Mckaskill H, Jack K. 179-184. palgrave macmillan 2008.

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Nimmo GR, Grant IS. Oxygen transport in the critically ill: update. In: Rennie M ed. Intensive Care Britain 1992.

Cumming AD, Nimmo GR, Craig KJ, McGilchrist A, Hayes PC.  
Vasoactive effects of aprotinin. In: Bonner G, Fritz eds. Agents and Actions 1992; 38:11:211-219.

### **Abstracts**

Freeman M, Nimmo GR  
A national review of acute asthma exacerbations admitted to critical care. Past, Present, Future Conference RCPE, SAM, SICS, Edinburgh 12<sup>th</sup>-13<sup>th</sup> September 2016

Jones A, Nimmo GR  
An audit of ICU admissions due to acute exacerbation of asthma  
Poster presentation Scottish Intensive Care Society Annual Scientific Meeting, St Andrews, 22<sup>nd</sup>-23<sup>rd</sup> January 2015

Nimmo GR  
Materialities of clinical handover, oral presentation. ProPEL Professional Practice, Education and Learning Conference: Stirling Management Centre, University of Stirling, 25-27 June 2014, Stirling, Scotland

Nimmo GR, Critchley G, Munro S, Morse J, Kerslake D, Hill J.  
Negotiating the MAISE: A Multi- Agency Interprofessional Simulation Exercise: Ontologies of multiprofessional and interagency practice and learning. Poster presentation. ProPEL Professional Practice, Education and Learning Conference: Stirling Management Centre, University of Stirling, 25-27 June 2014, Stirling, Scotland

Paterson E, Jordan H, Nimmo GR  
 Use of high flow nasal cannulae for oxygen delivery in critically unwell patients  
 Poster presentation Scottish Intensive Care Society Annual Scientific Meeting,  
 St Andrews, 23<sup>rd</sup>-24<sup>th</sup> January 2014

Nimmo GR  
 Oral presentations (five) at Annual Stirling University Institute of Education  
 Doctoral Students' Conference May/June 2006-2013

Nimmo GR,  
 Scottish Clinical Decision Making Group  
 Oral presentation Scottish Clinical Skills Network Annual Meeting  
 Ninewells Hospital Dundee 10<sup>th</sup> September 2010

Nimmo GR, Mitchell C. Interruptions in Intensive Care: implications for safety and quality. *Intensive Care Med.* 2007; 33(suppl2):S198.

Nimmo GR, Bosse G, Grapengeter M, Shippey B, Spies C, Schroder T.  
 A new SAINT for Europe  
 Oral presentation SESAM Porto June 2006

Nimmo GR, Hartley S, Baruch M, Glavin R.  
 Teaching the management of medical emergencies.  
 ASME annual meeting Cardiff 2000.

Nimmo GR, Hartley S, Baruch M, Glavin R.  
 Teaching the management of medical emergencies.  
 9<sup>th</sup> International Conference on Medical Education. Cape Town, February 2000.

Oughton R, Nimmo GR.  
 Outcome of in-hospital cardiac arrests following the introduction of full time resuscitation management.  
 Resuscitation '98 Copenhagen June 1998.

Donaldson L, Oughton R, Grant IS, Nimmo GR.  
 Audit of ICU admissions: assessment of need for earlier referral.  
 UK Intensive Care Society May 1997

Nimmo SM, Howie JC, Kinsella J, Nimmo GR. Audit of tracheostomy use in Scottish Intensive Care Units. *Scottish Intensive Care Society Stirling* 1997.

Nimmo GR, Mackenzie SJ, Grant IS.  
 Venous-arterial CO<sub>2</sub> difference in septic shock. *UK Intensive Care Society/ ICSI, Dublin* 1994.

Mackenzie SJ, Nimmo GR.  
 An audit of the use of pulmonary artery catheters in Scottish ITUs and CCUs.  
*UK Intensive Care Society* 1993.

Nimmo GR, Cumming AD.  
Hemodynamic effects of aprotinin in established septic shock. American Society of Nephrology 1992.

Grant IS, Nimmo GR.  
Cardiorespiratory effects of propofol in the critically ill. UK Intensive Care Society 1992.

Nimmo GR, Catnach J, Grant IS, Armstrong IR.  
Blood lactate fails to predict delivery dependent oxygen consumption. UK Intensive Care Society 1992.

Nimmo GR, Grant IS, Armstrong IR.  
Sample site for blood lactate: arterial or mixed venous? UK Intensive Care Society 1992.

Nimmo GR, Mackenzie SJ, Nightingale P, Grant IS, Edwards JD.  
Changes in oxygen transport and blood lactate during therapy of clinical circulatory shock. UK Intensive Care Society 1992.

Grant IS, Nimmo GR, Mackenzie SJ, Armstrong IR.  
Hemodynamic and oxygen transport responses to hemofiltration in the critically ill. Critical Care Medicine 1991; 19:4:S22.

Nimmo GR, Cumming AD.  
The effects of aprotinin in septic shock unresponsive to volume loading. Critical Care Medicine 1991; 19:4:S16.

Mackenzie SJ, Kapadia F, Nimmo GR, Armstrong IR, Grant IS..  
Adrenaline in treatment of septic shock. European Congress of Intensive Care Medicine 1990.

### **Editorials**

Bell D, Nimmo GR  
The future of acute (general) medicine.  
Scottish Medical Journal 2002 Oct;47(5):245.

Nimmo GR, Cumming AD, Lambie AT.  
Rhabdomyolysis and acute renal failure (ed). Intensive Care Medicine 1990; 15:486-487.

### **Review Articles**

Nimmo GR, Shippey B, Fluit L. Simulation in Intensive Care Training and Education. Care of the Critically Ill February 2009, Vol 24:1.

Nimmo GR, Fox-Robichaud A. Education and Simulation Techniques for Improving Reliability of Care. *Current Opinion in Critical Care* 2007; 13:737-741.

Strachan MW, Nimmo GR, Noyes K, Simpson D, Kelnar CJ. Management of cerebral oedema in diabetes. *Diabetes Metab Res Rev* 2003 May-June;19(3):241-247.

Nimmo GR, Grant IS. Inotropes in the critically ill. *Recent advances in anaesthesia and analgesia* 20. 1998. Churchill Livingstone Edinburgh

Nimmo GR, Nightingale P. Lactate in the critically ill. *Care of the Critically Ill*. 1996.

Nimmo GR, Grant IS. Oxygen transport: surgical symposium. *Care of the Critically Ill* 1995; 11:2:20-24.

Nimmo GR, Nimmo SM. Cardiogenic shock. *British Journal of Intensive Care* 1993; 3:8:291-297.

Nimmo GR. Critical Care Medicine: lessons from a symposium. *Proceedings of Royal College of Physicians of Edinburgh* 1991; 21:401-408.

Nimmo GR, Grant IS. Oxygen transport in the critically ill. *Intensive Therapy and Clinical Monitoring* 1990: 88-91; 126-130; 219-225.

### **Case Reports**

Nimmo GR. Subarachnoid haemorrhage. *Critical Care Focus 3: Neurological Injury* 2000. British Medical Journal, London.

Forster MR, Nimmo GR, Brown AG. Prolapsed intervertebral disc after epidural analgesia in labour. *Anaesthesia* 1996; 51:

Nimmo GR, Turner A, Evan Wong LA. Prostacyclin in therapy of severe mesenteric ischemia. *Critical Care Medicine* 1990; 18:8.

Nimmo GR, Stewart SM, English PJ. Myoglobinuric renal failure: an avoidable problem? *Intensive Care Medicine* 1988; 14:244-245.

### Letters

Biccard BM, Grant IS, Wright DJ, Nimmo GR, Hughes M.  
Suxamethonium and critical illness polyneuropathy.  
Anaesthesia and Intensive care 1998; 26:590-591.

Nimmo GR.

Mixed venous oxygen saturation in acute myocardial infarction. American Heart Journal 1992; 123:6:1721-1722.

Grant IS, Armstrong IR, Nimmo GR, Short AIK.

Renal replacement therapy in the ITU. Hospital Update 1991.

Nimmo GR, Mackenzie SJ, Grant IS.

Toxic shock syndrome. British Medical Journal 1990; 300:474.

Nimmo GR, Stewart SM.

Positive end-expiratory pressure and oxygen delivery. British Medical Journal 1989; 299.

Nimmo GR, Chetty MS.

Multiple lumen central lines. Intensive Therapy and Clinical Monitoring 1988; 9:3:90.

Nimmo GR, Temple RM, Winney RJ.

Diabetic emergencies. Hospital Update 1987; 13:4:342.

### **Invited Lectures**

See cpd and previous sections for update

2012

Simulation in Intensive Care

Intensive Care Society seminar on Simulation in the Workplace, Wednesday 4<sup>th</sup> April, Royal College of Anaesthetists, London

Clinical Decision Making

North England Intensive Care Society, Tuesday 27<sup>th</sup> March, Wynyard Hall, Darlington

Clinical Decision Making

Advanced Care Acute Practitioner annual meeting, Friday 2<sup>nd</sup> March, Murrayfield Stadium, Edinburgh

Clinical Decision Making

Postgraduate meeting, Dumfries and Galloway Royal Infirmary Thursday 2<sup>nd</sup> February

2011

Clinical Decision Making  
Scottish Society of Physicians, Easterbrook Hall, Dumfries, October 1<sup>st</sup> 2011

Simulation and patient safety: how far can we take it?  
International Conference on Acute Medicine, Imperial College, London,  
September 30<sup>th</sup> 2011

Anaphylaxis  
International Conference on Acute Medicine, Imperial College, London,  
September 30<sup>th</sup> 2011

Clinical Decision Making  
Edinburgh Anaesthesia Festival, King Khaled Hall, Edinburgh, August 17<sup>th</sup>  
2011

Clinical Decision Making  
Grand Rounds, Raigmore Hospital, Inverness 2<sup>nd</sup> June 2011

Clinical Decision Making  
Clinical Decision Making Course CPD LUHD RIE 24<sup>th</sup> February 2011

Clinical Decision Making  
Undergraduate Nursing Programme, University of Edinburgh, 21<sup>st</sup> February  
2011

Clinical Decision Making  
Quality and Patient Safety Registrar's Course, Lister Institute, November 23<sup>rd</sup>  
November 2010

Clinical Decision Making  
Reducing Harm, Improving Care Meeting 2, November 12<sup>th</sup> 2010 Medical  
School, University of St Andrews

2010

Clinical Decision Making and Patient Safety  
Greater and Glasgow and Clyde Clinical Governance Annual Meeting  
Western Infirmary Glasgow 26<sup>th</sup> August 2010

Clinical Decision Making and Patient Safety  
What's new in ICU?  
Royal Infirmary of Edinburgh 23<sup>rd</sup> June 2010

2009

Live clinical simulation and lecture: Clinical Decision Making  
49<sup>th</sup> St Andrew's Day Festival Symposium: Updates on Acute Medicine

Royal College of Physicians of Edinburgh  
4<sup>th</sup> December 2009

Surviving sepsis  
Royal College of Physicians Edinburgh 17<sup>th</sup> November 2009

Simulation using high tech human manikins  
European Society of Intensive Care Medicine Vienna 13<sup>th</sup> October 2009

Clinical decision making workshop with Pat Croskerry  
Decision Making Symposium University of Stirling 28<sup>th</sup> October 2009

Clinical decision making seminar  
Critical Care Study Day RIE June 3<sup>rd</sup> 2009

2008

Interruptions in Intensive Care  
Scottish Intensive Care Society Annual Scientific Meeting Dunblane January  
200

2007

Seminar on Clinical Decision Making  
Scottish Intensive Care Society Annual Scientific Meeting Dunblane January  
2007

2006

How was it for you ? Realism in simulation.  
SESAM Porto June 2006

2005

Neonatal and Paediatric ECMO training and simulation  
UK ECMO Centres Collaborative Meeting, Yorkhill, Glasgow, November 2005

Sepsis in the Elderly  
Advanced Course in Elderly Medicine, Royal College of Physicians of  
Edinburgh, May 2005

The place of simulation in intensive care training  
Intensive Care Society UK, Glasgow, May 2005

Intensive Care Simulation Workshops  
Intensive Care Society UK, Glasgow, May 2005

2004

Simulation in Intensive Care Training  
Local Education Supervisors'/Regional Educational Advisors' Meeting, London,  
December 2004

Acute Care Simulation Demonstration  
Collegiate Members Symposium, Royal College of Physicians of Edinburgh,  
October 2004

Intensive Care Simulation Workshops  
European Society for Intensive Care Medicine, Berlin, October 2004

Non-heart beating organ donation  
Whither the PA catheter ?  
Sub-arachnoid haemorrhage  
7th Controversies in Intensive Care Course, University College, London,  
September 2004

Update on Organ Donation  
South-East Scotland Intensive Care Group, Edinburgh, August 2004

Sepsis and Simulation  
Sepsis Care Initiative Meeting, London, July 2004

Managing the Acutely Ill Patient  
Stirling Royal Infirmary Study Day, June 2004

Sepsis and Septic Shock  
Glasgow Caledonian University, Critical Care Course, April 2004

Status Epilepticus  
Royal College of Anaesthetists' Symposium, Glasgow, March 2004

## 2003

Non-Invasive Ventilation  
Collegiate Members Symposium, Royal College of Physicians of Edinburgh,  
October 2003

Assessment and Management of the Acutely Ill Adult  
Queen Margaret University College, Edinburgh October 2003

Recognising the Acutely Ill Patient  
British Association of Critical Care Nurses, Annual Scientific Meeting,  
Glasgow, September 2003

Clinical Risk  
Preparing for Practice, University of Edinburgh, June 2003

Therapeutic Hypothermia  
Grand Rounds, Western General Hospital, April 2003

Airway Management in Emergencies  
Rapid Sequence Intubation Course Development Workshop, Ninewells  
Hospital, Dundee, March 2003

## 2002

Immediate Management of Medical Emergencies  
Non-Principal General Practitioner Symposium, Lister, Edinburgh, November  
2002

Emergency Intubation Workshop  
Respiratory Study Day, Physiotherapy and ICU, Western General Hospital,  
October 2002

Advanced Trauma Life Support in the ICU Patient  
SPQ Course, Critical Care, Edinburgh, October 2002

Simulation in Teaching Emergency Management  
GP Retainer Scheme Meeting, Lister, Edinburgh, October 2002

Transplantation Issues in ICU  
Transplant Co-ordinators Meeting, Edinburgh, August 2002

Non Evidence Based Intensive Care  
Scottish Intensive Care Society Education Meeting, Stirling Royal Infirmary,  
May 2002

Principles of Haemofiltration  
Haemofiltration Study Day, ICU Western General Hospital, April 2002

Case presentations  
Scottish Intensive Care Society Annual Scientific Meeting, Stirling, January  
2002

## 2001

Invited Simulator Teaching  
College of Anaesthetists of Ireland Symposium, Northern Ireland Simulation  
Centre, Dungannon, October 2001

Advanced Haemodynamic Monitoring  
Baxter Critical Care Training Symposium, Newbury, Berkshire, September  
2001

Adult Respiratory Distress Syndrome  
SICS Symposium, Stirling, August 2001

Improving outcome from cardiac arrest  
Intensive Care Society (UK) Bournemouth May 2001

Undergraduate training using simulation  
Society for UK Simulation, Stirling March 2001

Teaching management of Medical Emergencies  
Grand Rounds, Royal Infirmary of Edinburgh, February 2001

#### 2000

Teaching management of Medical Emergencies  
RCP Edin Collegiate members' symposium, Belfast November 2000

Coma  
Society for Acute Medicine (UK) Edinburgh October 2000

Preparing for life and death on the wards  
Association for Study of Medical Education meeting on Human errors in  
medical misadventure, Stirling May 2000

#### 1999

Neurological assessment  
LUHNT Adult Intensive Care Units study day, November 1999

Teaching the management of medical emergencies  
Royal College of Physicians of London September 1999

Improving outcome from cardiac arrest  
Edinburgh Anaesthesia Festival, August 1999

Preventing admission to intensive care  
Evening symposium, Royal College of Physicians of Edinburgh, August 1999

Advanced Life Support Generic Instructors Course  
Western General Hospital, Edinburgh, Director and Lecturer, June 1999

Subarachnoid haemorrhage  
Intensive Care Society (UK) spring meeting, Edinburgh May 1999

Medical Emergencies Course for Year 5 Medical Undergraduates (first)  
Scottish Clinical Simulation Centre, Stirling Royal Infirmary, February 1999

## 1998

## Shock

Napier University, Critical Care Course October 1998

## Advanced Life Support Generic Instructors Course

Western General Hospital, Edinburgh, Director and Lecturer, October 1998

## Monitoring in the Acutely Ill

BST Surgical Course, Lister, Edinburgh, September 1998

## Airway management in emergencies

Resuscitation: basic to advanced study day, Western General Hospital, Edinburgh, June 1998

## Subarachnoid haemorrhage

Joint meeting Irish and Scottish Intensive Care Societies, Belfast June 1998

## 1997

## Advanced Life Support Courses (Resuscitation Council UK)

Western General Hospital March, September, November, Director

## Adult Medical Emergencies Course

Lister, Edinburgh March, June, September, Co-director

## 1996

## Advanced Life Support Courses (Resuscitation Council UK)

Western General Hospital August, October, December, Director

## 1994

## Prognosis and therapy of lactic acidosis.

European Society of Anaesthesiology, Brussels, March 1994.

## Mixed venous oxygen saturation monitoring: tutorial.

Scottish Intensive Care Society, Stirling, February 1994.

## 1993

## Low Flow Shock.

Intensive Care Symposium, Royal Victoria Infirmary, Newcastle, October 1993.

## Hypertension: an overview.

Ayrshire and Arran Postqualification Pharmacists' Symposium, Kilmarnock, February 1993.

Oxygen transport.

Monitoring in the critically ill.

Renal replacement therapy in the ICU.

Intensive Care Society of Ireland, County Cavan, February 1993.

Indications for Swan-Ganz catheterisation in acute renal failure: a personal view.

West of Scotland Renal Club, Glasgow, April 1992.

#### 1991

Aetiology and management of metabolic acidosis.

Intensive Care Society of Ireland, Kilkenny, October 1991.

Septic Shock.

Edinburgh Anaesthesia Festival, August 1991.

ITU case presentation.

Intensive Care Society (UK), Swansea, April 1991.

#### 1990

Acute Renal Failure.

Regional ITU seminar, University of Manchester, October 1990.

Acute Renal Failure in the ITU.

Junior Anaesthetists' Group, national meeting, Glasgow, April 1990.

#### 1989

Oxygen transport and acute renal failure.

Anaesthetic/medical seminar, Ninewells Hospital, Dundee, March 1989.

Oxygen transport: practical aspects.

Scottish Intensive Care Society, Perth, January 1989.

### **FELLOWSHIP AND MEMBERSHIP OF COLLEGES AND SOCIETIES**

Fellow of the Royal College of Physicians of Edinburgh

Fellow of the College of Anaesthetists, Royal College of Surgeons in Ireland

Founding Fellow Faculty of Intensive Care Medicine

Scottish Intensive Care Society (Founder member 1989)  
United Kingdom Intensive Care Society  
European Society of Intensive Care Medicine  
Society for Acute Medicine (UK) (Founder member 1999)

Society in Europe for Simulation Applied to Medicine  
Association for the Study of Medical Education  
Scottish Clinical Skills Network  
Association for Simulated Patients in Healthcare

### **Personal interests**

**Singing:** I am a member of two choirs and perform religious and secular music regularly, and also sing in a rock band. I enjoy listening to an eclectic range of music.

**Reading:** I enjoy a broad variety of literature but especially science fantasy, biography, Scottish poetry and material related to my other interests below.

Bird watching

Archaeology

Dinghy sailing, golf, tennis, swimming.

Travelling. Hillwalking

I am a Church of Scotland Elder in St Anne's Parish Church, Corstorphine.

## Appendix 1

01/12/1992- 31/12/1995	Career Registrar & SHO in Anaesthetics based in Division of Anaesthesia, Victoria Infirmary, Glasgow.
01/8/1992-30/11/1992 Royal	Career Registrar in Nephrology and General Medicine, Renal Unit, Glasgow Infirmary.
01/8/1991-31/07/1992 Royal	Career Registrar in General Medicine and Nephrology, Crosshouse Hospital, Kilmarnock. (rotation based in Glasgow Infirmary)
01/08/1989-31/07/1991	Clinical Research Fellow in Intensive Care: Honorary Registrar, Intensive Therapy Unit, Western General Hospital, Edinburgh.
August 1983-July 1986:	Medical Rotation based in Royal Infirmary, Edinburgh
01/08/1986-31/07/1989	Nephrology Registrar, Medical Renal Unit, Royal Infirmary of Edinburgh.
01/02/1986-31/07/1986	Registrar (February 1986-July 1986) Diabetic Department and Wards 32/33, Royal Infirmary of Edinburgh.
01/08/1985-31/01/1986	Neurology Registrar, University Department Neurology, Northern General Hospital, Edinburgh.
01/08/1984-31/07/1985	Registrar in General Medicine, Milesmark Hospital, Dunfermline.
01/08/1983-31/07/1984	Senior House Officer in Medicine, Wards 32/33 and CCU, Royal Infirmary of Edinburgh.
01/02/1983-31/07/1983	House Surgeon, Eastern General Hospital, Edinburgh.
01/08/1982-31/07/1983	House Physician, Milesmark Hospital, Dunfermline.

## Appendix 2

### Involvement in development of Intensive Care at WGH

- 1998-2006 Co-author of comprehensive series of drug monographs
- 2004-present Editing and developing ICU Protocols (current)
- 2000-2011 IBTICM Tutor, organise induction and educational support for medical staff
- 2003-2009 South-East Region representative on Council Scottish Intensive Care Society

### Involvement in development of Acute Medicine at WGH

- 1996-2002 Lead Clinician and Consultant with Administrative Responsibility for ARU
- 1996-1997 Lead in re-equipping of ARU and development of the Resuscitation Room
- 1998 Worked with Lothian Health and Scottish Ambulance Service on Acute Services Strategy culminating in 'zoning' of Edinburgh to increase medical emergency admissions to WGH.
- 2004-2006 Member of Hospital at Night Strategic and Operational Groups
- 1996-2001 Chair WGH then LUHT Resuscitation Committee (set up latter). Introduced UK Resuscitation Council Advanced Life Support Courses to WGH in 1996 and directed 23 up to 2004. Introduced UK Resuscitation Council Immediate Life Support Courses for medical undergraduates in 2003.
- 1996-2001 Chair WGH then Trust Clinical Risk Committee (set up latter). Moved forward the concepts of anonymous reporting and near-miss as well as actual incident reporting.
- 1996-1998 Member Lothian Health Acute Strategy Group
- 1996-2001 'Hogmanay' planning.. Representative Lothian Health/Trust annual working group.
- 2001-2003 Member Colo-rectal surgery re-design group
- 1998-2001 Member Lothian Critical Care Group/Lothian HDU Group
- 1996- 2006 Member General (Acute) Medicine Senior Staff Group
- 1996- to date Member Intensive Care Senior Staff Group
- 1998-2000 CNORIS link clinician for LUHNT
- 1998-2000 CHKS link clinician for LUHNT
- 1997-2002 Member Lothian Stroke Network
- 1997-2003 Member WGH and Trust Transfusion Committees
- 2004- 2010 Member LUHD Postgraduate Education Board
- 2004- 2010 Member Regional Strategic Advancing Roles Collaborative Steering Group