

CURRICULUM VITAE

NAME Peter Michael Crean

DATE OF BIRTH [REDACTED]

EDUCATION:

UNIVERSITY Queen's University, Belfast 1970-1976

QUALIFICATIONS MB, BCh, BAO July 1976
FFA RCS (Ireland) May 1980
HPT Accreditation June 1983
FRCA (ad eundum) May 2005

APPOINTMENTS:

PRESENT Consultant Paediatric Anaesthetist Oct 1984
Royal Belfast Hospital for Sick Children

PREVIOUS

House Officer Belfast City Hospital Aug 1976 - Jul 1977

Trainee in Anaesthetics N Ireland Training Scheme Aug 1977– Jun1982

Fellow, Dept. of Anaesthetics Hospital for Sick Children, Toronto Jul 1982 - Jun 1983

Fellow, Neonatal Intensive Care Hospital for Sick Children, Toronto Jul 1983 - Dec 1983

Fellow, Paediatric Intensive Care 1984 Hospital for Sick Children, Toronto Jan 1984 - Jun

Senior Registrar in Anaesthetics Royal Victoria Hospital Belfast Jul 1984 - Sep 1984

MEMBERSHIP OF SOCIETIES

General Medical Council 1976

Association of Anaesthetists of Great Britain and Ireland 1978

Faculty of Anaesthetists, Royal College of Surgeons in Ireland 1980

Association of Paediatric Anaesthetists of Great Britain and Ireland 1984

Northern Ireland Society of Anaesthetists 1984

Ulster Paediatric Society 1987

Paediatric Intensive Care Society	1988 - 2005
Irish Intensive Care Society	1989
Northern Ireland Intensive Care Group	1989

RESEARCH:

1. Ferris CJ, Crean PM, Mirakhur RK. An evaluation of ORG NC 45 (Vecuronium) in Paediatric Anaesthesia. *Anaesthesia*, 1983; 38: 943-947.
2. Koren G, Goresky G, Crean P, Klein J, Macleod SM. Paediatric Fentanyl dosing based on Pharmacokinetics during Cardiac Surgery. *Anesth Analg* 1984; 63: 577-82.
3. Koren G, Crean P, Klein J, Goresky G, Villameter J, Macleod SM. Sequestration of Fentanyl by the Cardiopulmonary Bypass. *European Journal of Clinical Pharmacology*. 1984; 27: 51-56.
4. Koren G, Crean P, Goresky G, Klein J, Macleod SM. The Pharmacokinetics of Fentanyl in Children with Renal Disease. *Res Commun Chem Pathol Pharmacol* 1984; 46(3): 371-379.
5. Collins C, Koren G, Crean P, Klein J, Roy L, Macleod SM. Fentanyl Pharmacokinetics and Haemodynamic Effects in Preterm Infants during Ligation of Patent Ductus Arteriosus. *Anesth Analg* 1985; 64:1078-1080.
6. Crean P, Koren G, Goresky G, Klein J, Macleod SM. Fentanyl-Oxygen versus Fentanyl-N2O/Oxygen Anaesthesia in children undergoing cardiac surgery. *Can Anaesth Soc J* 1986; 33: 36-40.
7. Koren G, Goresky G, Crean P, Klein J, Macleod SM. Unexpected alteration in Fentanyl Pharmacokinetics in children undergoing cardiac surgery: Age related or disease related. *Dev Pharmacol Ther* 1986; 9: 183-191.
8. Glasgow JF, Jenkins JG, Hicks EM, Keilty SR, Crean PM, Black GW, Fannin TF. The prognosis of Reye's syndrome in Ireland. Can it be improved. *Ir J Med Sci* 1986; 155: 111-116.
9. Van Obbergh LJ, Crean PM. Malignant Hyperthermia: Routine monitoring and early detection. *Acta Anaesth Belg* 1986; 37:267-269.
11. Jenkins JG, Glasgow JFT, Black GW, Fannin TF, Hicks EM, Keilty SR, Crean PM. Reye's Syndrome: Assessment of Intracranial Monitoring. *Br Med J* 1987; 294: 337-338.
12. Sampaio MM, Crean PM, Keilty SR, Black GW. Changes in oxygen saturation during inhalation induction of anaesthesia in children. *Br J Anaesth* 1989; 62: 199-201.
13. Gallagher TM, Crean PM. Spinal anaesthesia in infants born prematurely. *Anaesthesia* 1989; 44: 434-436.
14. McAloon J, Carson D, Crean P. Cerebral Oedema Complicating Diabetes Ketoacidosis. *Acta Paediatr Scand* 1990; 79:115-117.
15. Fitzpatrick KTJ, Black GW, Crean PM, Mirakhur RJ. Continuous vecuronium

infusion for prolonged muscle relaxation in children. *Can J Anaesth* 1991; 38:169-174.

16. Crean PM, Laird CRD, Keilty SR, Black GW. The Influence of Atropine Premedication on the Induction of Anaesthesia with Isoflurane in Children. *Paediatric Anaesthesia* 1991; 1:37-39.
17. Wilson DC, Crean PM, Jenkins JG. Adult Respiratory Distress Syndrome (ARDS) Complicating Meningococcaemia. *Ir J Med Sci* 1991; 160:10-11.
18. McAloon J, Crean PM, Jenkins J, McClure G. Evaluation of paediatric Intensive Care in a Regional Centre. *Archives of Diseases in Childhood* 1991; 66:1043-1046.
19. Syed SA, Taylor RH, Crean PM, Stewart RJ. Successful Use of Monoclonal Anti-lipid-a IgM in Infant with Meningococcal Sepsis. *The Lancet* 1992; 339:496.
20. Gallagher TM, Darling R, Potts SR, Dempsey S, Crean PM. Christmas Disease and Pyloromyotomy. *Paediatric Anaesthesia* 1992; 2:335-338.
21. Laird CRD, Mulholland D, Crean PM, Black GW. The Effects of Halothane and Isoflurane on Forearm Blood Flow in Children as determined by Venous Occlusion Plethysmography. *Paediatric Anaesthesia* 1993; 3:79-82.
22. Mulholland D, Laird CRD, Crean PM, Black GW. The effects of halothane and isoflurane on hand blood flow in children. (As Determined by venous occlusion plethysmography) *Paediatric Anaesthesia* 1994;4:83-86.
23. Gadiyar V, Gallagher TM, Crean PM, Keilty SR and Taylor RH. The Combination of Rectal Diclofenac and Caudal Bupivacaine improves postoperative analgesia in Children. *Anaesthesia* 1995; 50: 820-822.
24. Paxton D, Taylor RH, Gallagher TM, Crean PM and Keilty SR. Postoperative Emesis following Otoplasty in Children; A Controlled Trial with Ondansetron or Droperidol. *Anaesthesia* 1995; 50: 1083-1085.
25. Austin S, McAtamney D, Maguire P, Loan P, Crean PM. A study to assess the feasibility of using glucometer measured blood glucose on fresh blood sampled from the surgical field. *Paediatr Anaesth* 2000; 10: 691-2
26. P M Crean, M A Stokes, C Williamson and D J Hatch. Quality in paediatric anaesthesia: a pilot study of interdepartmental peer review. *Anaesthesia* 2003; 58: 543-548.
27. Bosenberg AT, Thomas J, Cronje L, Lopez T, Crean PM, Gustafsson, Huledal G and Larsson LE. Pharmacokinetics and efficacy of ropivacaine for continuous epidural infusion in neonates and infants. *Pediatric Anesthesia* 2005; 15: 739-749.

LETTERS

1. Keilty SR, Crean PM, Gallagher TM, Taylor TH. Anaesthetic techniques and trainee anaesthetists. *Anaesthesia* 1991; 46: 777-9.
2. Syed SA, Taylor RH, Crean PM, Stewart RJ. Successful use of monoclonal Anti-lipid-A IgM in an infant with meningococcal sepsis. *Lancet* 1992; 339: 678.

EDITORIALS

Sedation and neuromuscular blockade in paediatric intensive care; a review of practice in the United Kingdom and North America. *Pediatric Anaesthesia* 2004; 14; 439-442.

PATIENT INFORMATION

'Your Child's General Anaesthetic' 2003. I was the Topic Leader in this Information for Patient's project, Royal College of Anaesthetists.

This received an award (Highly Commended) at the BMA Patient Information Awards Ceremony in November 2004.

Reviewed 2008

Topic leader in RCA Risk Project - 'Equipment Failure', 2006.

Reviewed 2009

REVIEW ARTICLES

Crean PM and Taylor RH. Inhalation Agents in Paediatric Anaesthesia. *Current Anaesthesia and Critical Care*; Mini-symposium: Paediatric Anaesthesia (1994) 5, 197-201.

Crean PM. Postoperative Nausea and Vomiting in Children. *Today's Anaesthetist* 1997; 12: 5-8.

Crean PM. Anaesthesia for the Prematurely Born Infant. *Current Anaesthesia and Critical Care* 2000; 11; 245-249.

Gormley SMC and Crean PM. Basic Principles of Anaesthesia for Neonates and Infants. *BJA CEPD Reviews* 2001;1;130-133.

Crean PM. Special Considerations for Anaesthesia in the Premature Baby. *Anaesthesia and Intensive Care Medicine* 2002; 3; 77-79.

Crean PM. The Association of Paediatric Anaesthetists Interdepartmental Peer Review Scheme. *Bulletin* 17, The Royal College of Anaesthetists, January 2003.

Doherty GM, Chisakuta C, Crean P and Shields MD. Anaesthesia and the child with asthma. *Pediatric Anaesthesia* 2005; 15: 446-454.

BOOK CHAPTERS

Crean PM. Neonatal Physiology. Chapter in *Handbook of Neonatal Anaesthesia* 1996, Hughes, Mather and Wolf. W B Saunders Company Ltd

Crean P, Chisakuta A. Effects of prematurity. In: Bingham R, Lloyd-Thomas A, Sury M, eds. *Hatch and Sumner's Textbook of Paediatric Anaesthesia*, Third edition. Edward Arnold, 2008

Crean P, Hicks E. Essentials in neurology and neuromuscular disease. In: Cote CJ, Lerman J, Todres ID, eds. *A practice of anesthesia for infants and children*. Philadelphia: Saunders, Elsevier, 2009

INVITED SPEAKER

I have presented numerous scientific papers relating to paediatric anaesthesia and intensive care, both nationally and internationally.

EDITORIAL ACTIVITIES

Reviewer of manuscripts: 'Pediatric Anesthesia'
'British Journal of Anaesthesia'

Book reviewer: 'Anaesthesia'

Member of Editorial Advisory Board of 'Pediatric Anesthesia', 2004 - 2010.

Member of the Editorial Board of 'Paediatric Anaesthesia', 2010.

NATIONAL AUDIT ACTIVITY

Audit of adverse incidents occurring in 10,000 epidurals in children in the UK.
Member of the review team.

Audit of adverse incidents occurring in 10,000 opioid infusions in children in the UK (2008-9). Member of the review team.

TEACHING AND EDUCATION

Anaesthetic Committee Member 1987 - 1998
Northern Ireland Council for Postgraduate
Medical Education

FFARCSI Part 1 Examiner, Faculty of Anaesthetists, 1990 – 2010
Royal College of Surgeons in Ireland

College Tutor in Anaesthetics 1992- 1998
Royal Group of Hospitals

Member 1986 - 1998
Anaesthetic Education Sub-committee
Royal Hospitals Trust

Chairman 1996 - 1998
Anaesthetic Education Sub-committee
Royal Hospitals Trust

HOSPITAL COMMITTEE MEMBERSHIP

Anaesthetic Education Sub-Committee, 1986 - 1998
Royal Group of Hospitals

Anaesthetic Audit Committee 1990 - 1993
Royal Group of Hospitals

Theatre Users Committee, 1987 - 1989
Royal Belfast Hospital for Sick Children

Chairman 1991 - 1993
Hospital Mortality Committee
Royal Belfast Hospital for Sick Children

Resuscitation Committee, Royal Group of Hospitals	1991 - 1992
Sub-director for Anaesthesia and ICU Paediatric Directorate Royal Hospitals Trust	1995 -1997
Member of Strategy Working Group: Getting it Together A Strategy for Children's Services The Royal Hospitals	1996
Lead Clinician, Acute Pain Service Royal Belfast Hospital for Sick Children	1998 - 2005
Clinical Director Surgical and Critical Care Services Royal Belfast Hospital for Sick Children Royal Hospitals Trust	2003 - 2008
Chairman, Excellence and Governance Committee, RBHSC	2003 - 2011

N IRELAND COMMITTEE MEMBERSHIP

Honorary Secretary & Treasurer
Ulster Paediatric Society 1989-1991

Member of Regional Working Group
Care of the Acutely Ill Child
Eastern Health Board 1997-1998

Chairman
Paediatric Anaesthetic Group in N Ireland
1999 - 2004

Member of N Ireland Working Group on Hyponatraemia in Children
2001 – 2002

Member of the Human Organs Enquire Implementation Sub-group on the
guidance to the HPSS and Consent 2002-2004.

Member of the Human Organs Enquiry Implementation Sub-group on Public
Information and Communication 2003.

Northern Ireland Regional Paediatric Fluid Therapy Working Group 2006.

Member of 'Paediatric Surgery Working Group Phase 1', Department of Health, N
Ireland. 2008

Member of the 'Paediatric ENT Surgery Group, Department of Health, N Ireland,
2008-9

Guideline and Audit Implementation Network (GAIN). Member of Guideline
Development Group on 'Hyponatraemia in Adults. 2008-9

Guideline and Audit Implementation Network (GAIN). Member of Guideline
Development Group on CVAD Guideline 2010 – 2011.

NATIONAL COMMITTEE MEMBERSHIP

Executive Committee Member
Federation of European Associations of Paediatric Anaesthetists
1992-1995

Liaison Committee Member
Association of Paediatric Anaesthetists of Great Britain and Ireland
British Association of Paediatric Surgeons
Royal College of Paediatrics and Child Health
1996-2000

Member of the Paediatric Group
National Confidential Enquiry into Perioperative Deaths
1998 – 1999

Member of Working Group on Paediatric Anaesthesia and Emergency Care in
District General Hospitals 2004-6.
“Care of the acutely ill or injured child: a team response” published 2006

Member of External Reference Group, Children’s Hospital Service Pilot
Improvement Review, Healthcare Commission. 2004-2005

Member of the Children’s Surgical Forum, Royal College of Surgeons, England
2005-07

‘Joint statement on the provision of general paediatric surgery provision in the
District General Hospital’, 2006. Member of the working group and co-signatory
as President of the APA.

Member of working group revising ‘Children’s Surgery: a first class service’.
2006-07. ‘Surgery for children – delivering a first class service’ published July
2007

NICE Guideline Development Group on Sedation in Children 2008 - 2010

NCEPOD Advisor 2009 – 2011 on deaths following surgery in children. ‘Are We
There Yet?’ Published October 2011.

ASSOCIATION OF PAEDIATRIC ANAESTHETISTS OF GREAT BRITAIN AND IRELAND

Executive Committee Member
Association of Paediatric Anaesthetists of Great Britain and Ireland
1990-1995

Co-opted Member 2000-2003

Honorary Secretary
Association of Paediatric Anaesthetists of Great Britain and Ireland
1996 - 2000

Chairman
Scientific Subcommittee
Association of Paediatric Anaesthetists of Great Britain and Ireland
1997 – 2000

Member
Scientific Subcommittee
Association of Paediatric Anaesthetists of Great Britain and Ireland
2000 - 2007

Chairman
Interdepartmental Peer Review Committee
Association of Paediatric Anaesthetists
1999 – 2004

President Elect
Association of Paediatric Anaesthetist of Great Britain and Ireland. 2003 -5

President
Association of Paediatric Anaesthetist of Great Britain and Ireland. 2005 -7

Chairman, APA Clinical Excellence Awards Committee 2007-9

Immediate Past President APA 2007 – 2009

Chairman, APA Professional Standards Committee 2009 – 2011

INTERNATIONAL COMMITTEE MEMBERSHIP

Executive board member of the European Society for Paediatric Anaesthesiology
2010 – to present

APPRAISAL

Appraiser for Paediatric Anaesthetists, Royal Belfast Hospital for Sick Children
2002 -

GENERAL MEDICAL COUNCIL

General Medical Council Performance Assessment Course, London, 19-21
February 2002.

GMC Performance Appraiser 2002 –

GMC Specialist Adviser for Committee on Professional Performance 2002-

Professional and Linguistic Assessments Board (PLAB) examiner, General
Medical Council 2002-2006. This is an examination taken by overseas doctors
(non EEA) wishing to practice in the UK.

CV – Dr Crean

Updated Information to be added to Dr Crean's CV:

- A Practice of Anesthesia for Infants and Children, 5th Edition, Saunders, Feb 2013. Chapter 22: Essentials of Neurology and Neuromuscular Diseases. Dr P M Crean, Dr D Peake
- Appointed Chair for NICE Guideline on IV fluid therapy in children (April 2013)