

## CURRICULUM VITAE

***NAME***

Hugh Connor Mulholland

***ADDRESS***

[REDACTED]

***PRE-UNIVERSITY EDUCATION***

[REDACTED]

***UNIVERSITY***

Queens University, Belfast

B.Sc. (Hons) 1959

M.B., B.Ch., B.A.O. 1962

***UNIVERSITY SCHOLARSHIPS***

Queen's University Scholarship in second Professional M.B. Examination 1958

Queen's University Scholarship to read for Hons. Degree in Anatomy 1958

Member of the Royal College of Physicians of Edinburgh - 1967 (selected subject - Cardiology)

Fellow of the Royal College of Physicians of Edinburgh – 1979

Fellow of the European Society of Cardiologists 2000.

***FELLOWSHIPS***

Royal Victoria Hospital Research Fellow (1966 - 1968)

Northern Ireland Hospitals Authority. Clinical Research Fellow. (1972 - 1974)

Ontario Heart Foundation Research Fellow Division of Cardiology. Hospital for Sick Children, Toronto, Ontario (1974 - 1976)

## ***POST-GRADUATE CAREER***

<b>1962 - 1963</b>	House Physician/Surgeon, Royal Victoria Hospital, Belfast
<b>1963 - 1965</b>	Junior Tutor/Senior House Officer  Department of Medicine, Queens University, Belfast Royal Victoria Hospital, Belfast
<b>1966 - 1968</b>	Royal Victoria Hospital, Research Fellow (Registrar)
<b>1968</b>	Senior Registrar, General Medicine, Northern Ireland Hospitals Authority
<b>1969 - 1971</b>	Assistant Professor, Department of Medicine, Christian Medical College, Ludhiana, Punjab, India
<b>1972 - 1974</b>	Research Fellow (Senior Registrar, Cardiology)
<b>1974 - 1976</b>	Ontario Heart Foundation, Research Fellow, Division of Cardiology, Hospital for Sick Children, Toronto
<b>1976 - Present</b>	Consultant Paediatric Cardiologist, Belfast, Northern Ireland
<b>1983 - 1993</b>	Co-Chairman (formerly Co-Director), Regional Medical Cardiology Centre
<b>1991 - 1997</b>	Clinical Director, Cardiology Directorate, Royal Hospital Trust
<b>1995 - 1996</b>	Clinical Director, Paediatric Directorate, Royal Hospital Trust
<b>1999 - 2002</b>	Associate Medical Director, Royal Hospital Trust
<b>2002 – 2003</b>	Deputy Medical Director Royal Hospital Trust

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

Member of the British Cardiac Society - 1977

Member of the Irish Cardiac Society - 1979 (Member of Council 1984 - 1986 & 1997 - 2001)  
(*President 98-2000*)

Member of the Association of European Paediatric Cardiologists - 1982

Fellow Ulster Medical Society

Founder member British Paediatric Cardiology Association

British Medical Association - Member representing the Children's Hospital Staff on Northern Ireland  
CHMS 1983 - 1988

Ulster Paediatric Association (President 1991 - 1992)

New York Academy of Science

British Association of Medical Managers

### ***PROFESSIONAL ACTIVITIES***

Chairman, Audit Committee RHT

Member Regional Working Group on the Care of the Acutely Ill Child

Member Special Advisory Committee on Clinical Engineering and Medical Physics 1986 -1992

Regional Specialty Advisor - Paediatric Cardiology

EHSSB Audit Committee 1997 -

Member EHSSB Paediatric Strategic Planning Group 1996

RBHSC Paediatric Strategy Group (Chairman)  
*Report Published June 1997*

N.I. Clinicians in Management (Committee 1994 - present)

Member of BAMM Clinical Directors Focus Group 1995/96

### ***RHT COMMITTEES***

Chair Clinical Care Pathways Group

Chairman – Hospital Audit Committee

Chairman – Telemedicine in Neonatology

Facilitator – Clinicians in Management Programme

Member Quality Steering Group

Member Information Strategy Steering Group

Member Organisational Development Group

Vision for Success Group

Internal Surveyor Kings Fund Organisational Audit

Electronic Prescribing Steering Group

### ***OTHER***

Entry in Debrett's Distinguished People of Today

Entry in Who's Who in the World

Entry in Who's Who in Science and Engineering

### ***INVITED LECTURES***

Royal College of Physicians of Edinburgh Symposium;

*"Recent Advances in Medicine" April 1988*

Royal College of Physicians of Edinburgh Symposium;

*"Taking Medicine into the Nineties" March 1990*

Irish Cardiac Society Cardiology Update;

*"Arrhythmia's in Children" July 1990*

Irish Cardiac Society Annual Meeting;

*"Patent Ductus Arteriosus Occlusion - The All Ireland Experience" Nov 1990*

Irish Cardiac Society Cardiac Update;

*"Congenital Heart Disease Post Surgery to Adulthood" July 1993*

Cardiology for the New Millennium - Irish Cardiac Society Cardiac Update

*"Children's Defects in Adults Hearts" March 1999*

Hungarian Society of Cardiology

*“Diagnosis at a Distance – Telemedicine in the Newborn” May 1999*

Great Ormond Street Neonatology Course

*“Telemedicine and its Applications in Neonatal Echocardiography” Nov 2000*

**EXAMINER**

Royal College of Physicians Edinburgh 1993 - 1997

Examiner Paediatric OSCI

**THESES SUPERVISED**

Sheilds MD, Doppler Echocardiography in Congenital Heart Disease  
University of Bristol 1986

Casey F, The Quality of Life in Children After Surgery for Congenital Heart Disease  
University College Cork June 1995

**PRESENT RESEARCH**

Post-natal Echocardiography as a necessary screening Procedure for Congenital Heart Disease

Telescan - Transmission of Real Time Cardiac Ultrasound Images by ISDN Line between Neonatal Units in Northern Ireland

The Epidemiology of Congenital Heart Disease in Northern Ireland 1984 - 1993

Genetic Patterns of Congenital Heart Disease

Clinical Collaborator in Tele-Health project funded by Department of Education NI (Joint Research Equipment Initiative).

Associate Partner (with University of Ulster) in NI Focal Institute for Healthcare Informatics

Collaborator in Development and Assessment of an Ultrasonic Image Compression System for Remote Clinical Diagnosis over the Integrated Services Digital Network (ISDN) (submitted to Engineering and Physical Sciences Research Council).

Clinical Collaborator with Professor Norman Black, University of Ulster, in Development of Three-Dimensional Images in Ultrasound Scanning for Congenital Heart Disease.

Problems of Metabolism and Nutrition in Severe Congenital Heart Disease (with QUB and UUJ)

Lottery Charity Board - £300,000 grant – Congenital Heart Disease – Intervention to Optimise the Outcome for Affected Families 1999

### **PUBLICATIONS (38)**

Pritchard J J, McDaniel J T, Mulholland H C  
The Origin and Significance of Calcium in Bone Repair  
J Anat 1958 **92** 668

Ardill B L, Halliday J A, Morrison J D, Mulholland H C, Womersley R A,  
Interrelation of Magnesium, Phosphate and Calcium Metabolism:  
Clinical Science 1962 **23** 67 - 75

Halmos P, Mulholland H C,  
Transarterial Pulmonary Valvotomy for Pulmonary Stenosis with Intact Ventricular Septum:  
Irish Journal of Medical Science 1967 **945** 127

Mulholland H C, Boyle D McC  
The Effect of Posture on Cardiac Output during the last six weeks of pregnancy:  
American Heart Journal 1967 **29** 291

Adgey A A J, Geddes J S, Mulholland H C, Keegan D J, Pantridge J F  
The Incidence, Significance and Management of early Brady-arrhythmia complicating  
Acute Myocardial Infarction:  
The Lancet 1968 November 23

Mulholland H C, Pantridge J F,  
Heart-Rate Changes During Movement of Patients with Acute Myocardial Infarction:  
The Lancet June 22 1974 pp 1244 1247

Adgey A A J, Clements I P, Mulholland H C, Wilson C, Webb S W,  
Acute Phase of Myocardial Infarction:  
Minnesota Medicine May 1976 pp 47 - 364

Mulholland H C, Kidd B S L  
Longterm results of Intra-atrial repair of Transposition of the Great Arteries:  
Second Henry Ford Hospital International Symposium on Cardiac Surgery  
Published by - Appleton/Century/Crafts 1977 Editor - Julia C Davia

Rowe R D, Izukawa T, Mulholland H C, Bloom K R, Cook D H, Swyer P R,  
Non-structural Heart Disease in the Newborn: Observation over one year in a perinatal  
service  
Archives of Disease in Childhood 1978 **53** no 9 726 - 730

Cook D H, Rose V, Fay J, Li M-D, Sellers F, Teizeira O, Izukawa T, Mulholland H C, Rowe R D  
Impact of Speciality Centres on Neo-natal Heart Disease, Ontario, 1975  
Canadian Journal of Public Health, Vol 69, August 1978, pp 297 - 301

Izukawa T, Mulholland H C, Rowe R D, Cook D H, Bloom K R, Trusler G A, Williams W G, Chance G W,  
Structural Heart Disease in the Newborn, Changing Profile: Comparison of 1975 with 1965  
Archives of Disease in Childhood, Vol 54 No 4 April 1979 pp 281 - 285

Devlin J E, Mulholland H C, Kelly M J H, Webb S W, McKenzie G, Adgey A A J,  
Control of Heart Rate During Movement in Acute Myocardial Infarction:  
European Journal of Cardiology 7 147, 1978

Khan M M, Varma M P S, Cleland J, O'Kane H, Webb S W, Mulholland H C, Adgey A A J  
Discrete Sub-Aortic Stenosis:  
British Heart Journal, 1981 46 No 4 p 421

Adgey A A J, Devlin J E, Webb S W, Mulholland H C  
The Initiation of Ventricular Fibrillation Outside Hospital in Patients with Acute Ischaemic  
Heart Disease:  
British Heart Journal 1982 47 55

Cook D, Izukawa T, Mulholland H C, Fay J, Lee M D, Sellers F, Teizeira O H P, Rose V, Rose R D  
Unmet Need for Paediatric Cardiology Services and Correlates of Referral in Ontario 1975 - 77  
Paediatric Cardiology 1982 3 275 - 282

Kay P H, Rigby M, Mulholland H C  
Congenital Double Chamber Left Ventricle Treated by Exclusion of Excessory Chamber.  
British Heart Journal 1983 49 195 - 198

Hamilton J R L, Mulholland H C, Cleland J  
Chylopericardium, A Rare Complication of a Waterson Shunt  
British Heart Journal 54 548 - 549

Hamilton J R L, Mulholland H C, O'Kane H  
Origin of the Left Coronary Artery from the Right Pulmonary Artery - A Report of  
Successful Surgery on a 3 month old Child  
Annals of Thoracic Surgery 41 April 1986 446 - 448

I J Buckles, H C Mulholland, I Galvin, D Gladstone, J Cleland  
Massive Pulmonary Embolism, The Place for Embolectomy  
Ulster Medical Journal, Volume 57, No 2, pages 161 - 166 Oct 1988

Nelson J, Shields M D, Mulholland H C  
Cardiovascular Studies in Mucopolysaccharidoses  
J Med Genet 1990 27 94 - 100

Tubman T R J, Craig B C, Mulholland H C  
Ventricular Tachycardia Associated with Cocksackie B4 Virus Infection  
Acta Paediatr. 1990 79 57

Mahood M, Mulholland H C,  
Multicentre use of a Relational Database for Diagnosis and Management of Congenital

## Heart Disease

Management of Heart Disease, Proceedings Healthcare Computing 1991, 22 - 29

Mahood M, Mulholland H C

Clinical and Managerial Applications of a Relational Database for a Multi-centred Paediatric Cardiology Service

Proceedings Computers in Cardiology, Italy September 1991, 321

Tubman TR J, Shields M D, Craig B G, Mulholland H C, Nevin N

Congenital Heart Disease In Down's Syndrome: two year prospective early screening study  
BMJ 1991, 302:1425 - 7

Morrison P J, Mulholland H C, Craig B G, Nevin N C

Cardiovascular Abnormalities in the Oculo-Auriculo-Vertebral Spectrum (Goldenhar Syndrome)  
Am J Med Genet 1992 44:425 - 428

Report of the European Registry

Transcatheter Occlusion of Persistent Arterial Duct

The Lancet, **340** Oct 31 1992 1062 - 1066

Casey F, Craig B G, Shanks D, Jackson P, Mulholland H C

Kawasaki Disease "The Northern Ireland Experience"

Irish Journal of Medical Science 1993 Vol 162 397 - 401

Casey F A, Craig B G, Mulholland H C

"Quality of Life in Surgically Palliated Complex Congenital Heart Disease".

Archives of Disease in Childhood 1994 Vol 70 382 - 386

Hughes J, Goldsmith C, Shields M D, Mulholland H C, Webb C H

Primary Meningococcal Pericarditis with Cardiac Tamponade in an Infant

Journal of Infection (1994) 29 339 - 341

Ibrahim M, Cleland J, O'Kane H, Gladstone D, Mulholland H C, Craig BG

The St Jude Medical Prosthesis in Children

Journal of Thoracic and Cardio Vascular Surgery 1994 **108** 53 - 56

Casey F, Sykes D, Craig BG, Power R, Mulholland H C

Behavioural Adjustment of Children with Surgically Palliated Complex Congenital Heart Disease

J of Paediatric Psychology 1996 Vol **21** No 3 335 - 352

Casey F, Brown D, Craig B G, Rogers J, Mulholland H C

Diagnosis of Neonatal Congenital Heart Defects by remote consultation using a low cost Telemedicine link

Journal of Telemedicine and Telecare 1996 2 165 - 169

Nevin N C, Mulholland H C, Thomas P S

Congenital Hypertrichosis, Cardiomegaly and Mild Osteochondrodysplasia

American Journal of Medical Genetics 1996 6633-38

Stewart C, Stewart M, Craig B G, Mulholland H C

Does the current approach to screening for congenital heart disease detect it?

Ambulatory Child Health 1997 Vol 3 pg 115 - 120



N C Nevin, B G Craig, H C Mulholland, F Casey  
Cleft Lip and Palate, Hypertelorism, Brachycephaly, Flat Facial Profile, and Congenital  
Heart Disease in Three Brothers  
American Journal of Medical Genetics 73:412 – 415 (1997)

Sweet D G, Craig B G, Halliday H L, Mulholland H C  
Gastro-Intestinal Complications Following Neonatal Cardiac Catheterisation  
Journal of Perinatal Medicine (In Press)

Mulholland HC, Casey F, Brown D, Craig B, Rogers J, Corrigan N, McCord B, Quinn M  
Application of a Low Cost Telemedicine Link to the Diagnosis of Neonatal of Congenital Heart  
Disease by Remote Consultation  
'Heart' (In Press)

Sands AJ, Casey FA, Craig BG, Dornan JC, Rogers J, Mulholland HC  
The High Incidence of Ventricular Septal Defect (VSD) in "Low Risk" New-borns: Associated  
Aetiological Factors  
Archives of Disease in Childhood 1999; (1) :F61-4

El Mallah MK, Sands A J, Casey F A, Craig B G, Mulholland H C  
Transcatheter Occlusion of the Patent Ductus Arteriosus (PDA): A Comparative Study of Two  
Widely Used Devices  
Accepted for publication: Irish Journal of Medical Science ( issue - Autumn 2002 )

Sands A, Craig B, Mulholland H C, Patterson C, Dornan J, Casey F  
Neonatal Echocardiographic Screening for Congenital Heart Disease: a Randomized Study  
Journal of Perinatal Medicine 2002;30:307-312

#### ***COMMUNICATIONS/ABSTRACTS (86)***

Mulholland H C, Pritchard J J  
The Fracture Gap  
Proceedings of the Anatomical Society of Great Britain and Ireland  
Journal of Anatomy 1959 93 590

Morton W R M, Mulholland H C  
The Placenta of the Ca'aining Whale  
Proceedings of the Anatomical Society of Great Britain and Ireland  
Journal of Anatomy 1961 95 605

Fenton S S A, Mulholland H C, Pantridge J F  
Systemic Hypertension in Mitral Valve Disease  
Proceedings of the British Cardiac Society  
British Heart Journal 1967 29 938

Mulholland H C, Boyle D McC, Patterson G C

- The Effects of Posture on Cardiac Output During the Last Six Weeks of Pregnancy  
 Proceedings of the British Cardiac Society British Heart Journal 1967 **29** 941
- Mulholland H C, Kidd B L S, Trusler G A, Mustard W T  
 The New Natural History of Transposition of the Great Arteries  
 Canadian Paediatric Society June 1975
- Mulholland H C, Kidd B L S, Trusler G A, Mustard W T  
 Arrhythmia's following Mustard Procedure for Transposition of the Great Arteries  
 Canadian Cardiovascular Society October 1975
- Mulholland H C, Kidd B L S, Trusler G A, Mustard W T  
 Management of the Patient with Transposition of the Great Arteries and Intact Ventricular Septum  
 Proceedings of the American Heart Association, October 1975  
 Circulation Supp 11 Vol 51 52 October 1975
- Mulholland H C  
 Demonstration of Aorto-pulmonary Communication using a Balloon Angio-Catheter  
 Proceedings of the British Cardiac Society, April 1978  
 British Heart Journal -
- Adgey A A J, Devlin J E, Webb S W, Mulholland H C  
 Ventricular Fibrillation Outside Hospital in Patients with Ischaemic Heart Disease  
 Proceedings of the British Cardiac Society and Finnish Cardiac Society  
 August 1978 British Heart Journal -
- Hill A E, Mulholland H C, Cleland J, O'Kane H  
 Coarctation of the Aorta in Infancy  
 Proceedings of the Irish Cardiac Society Irish Journal of Medical Science  
 Vol 150 No 4 April 1981
- Steen H, Cinnamond M J, O'Kane H, Mulholland H C  
 Double Aortic Arch Causing Stridor  
 Proceedings of the Irish Cardiac Society Irish Journal of Medical Science Vol 152 no 2 115
- Hamilton J R L, Mulholland H C, O'Kane H  
 Early Surgery for Anomalous Left Coronary Artery  
 Proceedings of Thoracic and Cardiovascular Surgeons  
 September 1984
- Shields M D, Rogers J, Mulholland H C  
 Use of Pulsed Doppler Echocardiography to Assess Shunts and Gradients in Congenital Heart  
 Disease  
 Proceedings of the British Cardiac Society April 1985  
 British Heart Journal
- Shields M D, Rogers J, Mulholland H C  
 Use of Pulses Doppler Echocardiography to Assess Shunts and Gradients in Congenital Heart  
 Disease  
 British Paediatric Association April 1985 Archives

Shields M D, Mulholland H C  
Use of Pulsed Doppler Echo to Assess Shunts and Gradients in Congenital Heart Disease  
Proceedings of the Biological Engineering Society  
June 1985 LONDON

Shields M D, Mulholland H C  
Assessment of Surgical Shunt Patency by Doppler Echocardiography  
Proceedings of the Biological Engineering Society  
June 1985 LONDON

Mulholland H C, Shields M D  
Doppler Assessment of the Patency of Surgical Shunts  
Proceedings of the Irish Cardiac Society in the Irish Journal Medical Science 1985

Mulholland H C, Redmond A O B, Steen H J  
Has NFLO a part to play in the management of lung disease in Cystic Fibrosis, JERUSALEM  
3 - 8 November 1985

Mulholland H C, Redmond A O B, Steen H J  
The Effects of Nifedipine on Pulmonary Hypertension and cor pulmonale in Cystic Fibrosis patients.  
14th Annual Meeting of the European Working Group for Cystic Fibrosis, BUDAPEST  
1-2 September 1986

Mulholland H C, Redmond A O B, Steen H J  
Identification and Treatment of Sleep Hypoxia and Pulmonary Hypertension in Cystic Fibrosis  
Cystic Fibrosis Research Trust Biennial Research Workers' Conference, NOTTINGHAM  
December 1986

Steen H, Mulholland HC,  
Comparative Study of two non-ionic contrast media used in cardio angiography in infants  
Irish Journal of Medical Science 1987 156 43

O'Kane H, Mulholland H C  
Anomalous Left Coronary Artery Immediate Correction Using the Sub-Clavian Artery  
First International Congress, European Association of Cardiothoracic Surgeons  
September 1987 VIENNA

Cleland J C, Mulholland H C  
Valve Replacement in Children Using a St Jude Medical Prosthesis  
Annual Meeting of Society of Thoracic and Cardiovascular Surgeons  
September 1987

Tynan M, Craig B G, Mulholland H C  
Catheter Occlusion of the Arterial Duct  
The Proceedings of the Irish Paediatric Association  
May 1989

Tubman T R J, Shields M D, Reid M C, Craig B G, Mulholland H C  
Screening for Congenital Heart Disease in Down's Syndrome

Annual Meeting of the Irish Paediatric Association  
May 1989

Tynan M, Bethencourt A, Godman M, Rohmer J, Mulholland H C, Rey C, Kallfeltz H-C, Denfield J  
Catheter Occlusion of the Arterial Duct  
XIth Congress of the European Society of Cardiology  
September 1989

Tynan M, Bethencourt A, Godman M, Rohmer J, Mulholland H C, Rey C, Kallfeltz H, Deanfield J  
Catheter Occlusion of the Arterial Duct  
Circulation Supplement Vol 80 4 October 1989

Morrison P J, Nevin N C, Craig B G, Mulholland H C  
Oculoauriculovertebral dysplasia. A review of 23 cases in Northern Ireland  
Ulster Paediatric Society December 1989

Mulholland H C, Mahood M  
Application of a Paediatric Cardiology Relational Database - A Clinical and Management Tool  
Proceedings Medical Informatics Europe 1990  
Reinhoff Lindberg DAT eds. Lecture notes in Medical Informatics  
Springer-Verlag 1990 802

Morrison P J, Nevin N C, Craig B G, Mulholland H C  
Cardiovascular Abnormalities in the Oculoauriculovertebral Sequence (Goldenhar Syndrome)  
J Med Genet 1990; 27:645

Morrison P J, Nevin N C, Craig B G, Mulholland H C  
Cardiovascular Abnormalities in the OAV Sequence  
Clinical Genetics Society, Newcastle on Tyne, April 1990

Mulholland H C, Craig B G, Duff D  
Patent Ductus Arteriosus Occlusion - The All Ireland Experience  
Proceedings of the Irish Cardiac Society November 1990  
Irish Journal of Medical Science

Duff D, Craig B G, Mulholland H C  
Balloon Dilatation for Recoarctation of the Aorta  
Proceedings of the Irish Cardiac Society November 1990  
Irish Journal of Medical Science

Rollins N C, Mulholland H C, Craig B G, Rogers J  
Pulmonary Band Gradients - Do They Change With Time?  
Ulster Paediatric Society May 1990

Rollins N C, Mulholland H C, Craig B G, Rogers J  
Pulmonary Band Gradients - Do Children Grow into the Band?  
Proceedings of the Irish Cardiac Society November 1990  
Irish Journal Medical Science

Craig B G, O'Hare M M T, Cleland J, Mulholland H C  
Survival in Complete Transposition of the Great Arteries  
A 10 year review.

British Heart Journal 1988 59 Page 620

McShane A, Mulholland H C, Craig B G  
Acute Presentation of Undiagnosed Congenital Heart Disease in Infancy  
Irish Journal of Medical Science 1988 157 8 274

Craig B G, Shanks S D, Mulholland H C  
Kawasaki Disease in Northern Ireland  
Irish Journal of Medical Science 1990 159 5 167

Mahood M, Mulholland H C  
Multicentre use of a Relational Database for Diagnosis and Management  
of Congenital Heart Disease  
Management of Heart Disease, Proceedings Healthcare Computing 1991 22 - 29

Mahood M, Mulholland H C  
Clinical and Managerial Applications of a Relational Database for a Multi-Centered Paediatric  
Cardiology Service  
Proceedings Computers in Cardiology Italy September 1991, 321

Casey F, Craig B G, Shanks S D, Mulholland H C  
Kawasaki Disease in Northern Ireland  
Ulster Paediatric Society Dec 1990

Casey F, Craig B G, Shanks S D, Mulholland H C  
Kawasaki Disease "The Northern Ireland Experience"  
1. Paediatric Rev. Commun 1991 Vol 6:66

Craig B G, Mulholland H C, Gladstone D, O'Kane H, Cleland J  
Surgical Management of Complete Atrioventricular Septal Defect  
Proceedings of the Irish Cardiac Society 1991  
Irish Journal of Medical Science

Primrose E D, Savage J M, Cran G W, Mulholland H C  
Cigarette Smoking in 15 year olds its Prevalence - Relation to Parental Behaviour and Interaction  
with other Coronary Risk Factors  
Proceedings of the Irish Cardiac Society 1991  
Irish Journal of Medical Science

Casey F, Craig B G, Shanks S D, Mulholland H C  
Kawasaki Disease in Northern Ireland  
Autumn Meeting, Pittsburgh, Pennsylvania Sept. 1991  
Irish/American Paediatric Society

Casey F, Craig B G, Shanks S D, Mulholland H C  
Kawasaki Disease in Northern Ireland  
Irish Paediatric Association  
Autumn Meeting 1991

Hughes M I, Hicks E M, Craig B G, Mulholland H C  
Neurological Disorders in Children with Cardiac Disease  
Ulster Paediatric Society 9 May 1992

Casey F, Mulholland H C, Craig B G  
Quality of Life for Children with Congenital Heart Disease  
Ulster Paediatric Society Spring Meeting March 1992

Casey F, Mulholland H C, Craig B G, Cleland J, O'Kane H  
Quality of Life After Intra-atrial Baffle Repair of Transposition of the Great Vessels  
British Paediatric Association April 1992  
Proceeding of 64th Annual Meeting of British Paediatric Association

Casey F, Mulholland H C, Craig B G  
Quality of Life After Palliative Surgery for Complex Congenital Heart Disease  
European Society for Paediatric Research, June 1992  
Annual Meeting, Upsalla, Sweden

Casey F, Mulholland H C, Craig B G, Power R, Rooney N  
Quality of life after Palliative Surgery for Complex Congenital Heart Disease  
Irish/American Paediatric Society  
Annual Meeting Belfast Sept 1992

Casey F, Mulholland H C, Craig B G, Power R, Rooney N  
Quality of Life after Palliative Surgery for Complex Congenital Heart Disease  
Paediatric Research Society, Oct 1992 Autumn Meeting Galway  
Paediatric Reviews and Communications 1993 Vol 7 151

Casey F, Mulholland H C, Craig B G, Power R, Rooney N  
Quality of Life for Children with Complex Congenital Heart Disease  
Paediatric Research 1992 Vol 32:619

Casey F, Mulholland H C, Craig B G, Cleland J, O'Kane H  
Evaluation of Outcome After Mustard and Senning Repair for Transposition of the Great Vessels  
Irish Paediatric Association 1991  
Irish Journal of Medical Science

Quality of Life for Children with Complex Congenital Heart Disease  
Casey F, Mulholland H C, Craig B G, Power R, Rooney N  
British Paediatric Association annual meeting April 1992  
Archives of Paediatrics

Quality of Life for Children with Complex Congenital Heart Disease  
Casey F, Mulholland H C, Craig B G, Power R, Rooney N  
European Working Group for Psychosocial Problems in Paediatric Cardiology  
12th Annual Meeting, Vienna, Austria February 1993

Craig B G, Mulholland H C  
Balloon Angioplasty of Native Coarctation  
Irish Cardiac Society, Annual General Meeting, November 1993

Casey F, Craig BG, Mulholland HC  
Quality of Life after Surgical Palliation in Univentricular Heart World Congress of Paediatric  
Cardiology and Cardiac Surgery Paris, France June 1993  
Cardiology Young 1993 Vol 3 (Suppl 1) 139

Casey F, Vallely S, Campbell N, Craig B, Mulholland H C, Laird J  
Assessment of Right Ventricular Function after Closure of Atrial Septal Defect using a Multi-wire  
Camera and Tantalum - 178

World Congress of Paediatric Cardiology and Cardiac Surgery Paris, France June 1993  
Cardiology Young 1993 Vol 3 (Suppl 1) 139

Does Late Detection of Congenital Heart Disease Affect Outcome?  
Dr C Stewart, Dr M Stewart, Dr C Mulholland, Dr B Craig  
Ulster Paediatric Society May 1994

Craig B G, Mulholland H C  
Balloon Angioplasty of native Coarctation  
Irish Journal of Medical Science, Vol 163 No 8 1994 Pg 393

The Directorate Workshop - A Tool for Change  
Winter Meeting British Association of Medical Managers Nov 1994

Quinn P, Casey F, Mulholland H C, Craig B G,  
Dilated Cardiomyopathy in Northern Ireland  
Ulster Paediatric Society, Junior Members Forum 8 Dec 1995

Casey F, Craig BG, Mulholland HC  
Quality of Life After Surgery for Cyanotic Congenital Heart Disease  
Paediatric Research 1995 Vol 37;4: (Part 2) 22A

Casey F, Craig B G, Mulholland H C  
The Remote Diagnosis of Congenital Heart Disease using a Telemedicine Video Link  
Ulster Medical Society May 1996

Casey F, Brown D, Craig B, Corrigan N, Quinn M, Rogers J, Mulholland HC  
Diagnosis of Neonatal Congenital Heart Defects from Echocardiographic Images Transmitted  
by a Telemedicine Link  
Irish Cardiac Society Annual Meeting Oct 1996

Craig B G, Casey F A, Mulholland H C  
Early Experience in Occlusion of the Persistent Arterial Duct using Coils  
Irish Cardiac Society Oct 1996

McKeown P P, Mulholland H C, Hughes A, Nevin N C, Logan K, Khan M M, Patterson G C  
Craig B G  
Non-syndromic Supravalvular Aortic Stenosis: Linkage to Chromosome 7  
Irish Cardiac Society Oct 1996

Casey F, Brown D, Craig B G, Rogers J, Mulholland H C, Department of Paediatric Cardiology  
RBHSC, Belfast  
Early Diagnosis of Neonatal Congenital Heart Defects by Remote Consultation using a  
Telemedicine link to transmit 'live' echocardiographic images  
European Society of Cardiology August 25-29 Birmingham 1996  
European Heart Journal 1996 Vol 17 (Suppl): 141

Casey F, Brown D, Craig B, Corrigan N, Quinn M, Rogers J, Mulholland H C  
Remote Echocardiographic Diagnosis in Neonatal Congenital Heart Defects using a low  
cost Tele-medicine Link  
Royal College of Paediatrics and Child Health Annual Meeting 1997 Vol 1 : 32

Mulholland H C, Casey F, Brown D, Corrigan N, Quinn M, Rogers J, Craig B  
Value of a Tele-medicine Link in the Remote Echocardiographic Diagnosis of Congenital  
Heart Defects  
Second World of Congress Paediatric Cardiology, Cardiac Surgery  
Hawaii May 11-15 1997

Danton M, Gladstone D J, Craig B, Mulholland H C, Casey F  
Delayed Arterial Switch Repair of Simple Transposition of the Great Arteries in Low  
Birth Weight Infants  
Irish Journal Medical Science 1998 Vol 167 Supp 2 Pg 11

Sands A J, Casey F A, Craig B G, Dornan J C, Mulholland H C  
Ventricular Septal Defects (VSD's); The Relationship of Social Class and Area of  
Residence to Occurrence Rate  
Annual Meeting, Association of European Cardiologists  
Dublin June 1998

Sands A J, Casey F A, Craig B G, Dornan J C, Rogers J, Lynch C, Mulholland H C  
Ventricular Septal Defects – The Relationship of Social Class and Area of Residence  
to Occurrence Rate  
12th International Congress Fetal Cardiology – Amsterdam May 12 – 15 1998  
Fetal Diagnosis and Therapy Feb 1998;13 (suppl.1) 148

Mulholland H C, Casey F A, Brown D, Quinn M, McCord B, Rogers J, Craig B  
Diagnosis at a Distance the Value of a Tele Echo Link from an Area Hospital to a  
Tertiary Centre  
Joint Ulster Paediatric Society/Irish Paediatric Association Newcastle, 2nd May 1998

Casey F, Brown D, Corrigan N, Craig B G, Quinn M, McCord B, Rogers J, Mulholland H C  
Application of a Low Cost Tele Medicine Link to the Diagnosis of Neonatal Congenital  
Heart Defects by Remote Consultation  
XXXIII AGM Association of European Paediatric Cardiologists – Dublin June 1998

Sweet D G, Craig B G, Halliday H L, Mulholland H C  
Gastro-Intestinal Complications Following Neonatal Cardiac Catheterisation  
XVI Congress of European Medicine, Zagreb, June 1998

Sweet D G, Craig B G, Halliday H L, Mulholland H C  
Gastro-Intestinal Complications Following Neonatal Cardiac Catheterisation  
Irish Perinatal Society Dublin March 1998 (In Press Irish Journal Medical Science)

Magee A C, Mulholland H C, McGinnity G  
Autosomal Recessive CHARGE Association  
Annual Meeting European Society Paediatric Research 14-16 Sept 1998, Belfast



Mitchel D J, Mulholland H C, Bell K  
Aneurysms of the Vein of Galen, Experience in Northern Ireland and an Update on Advances in  
Diagnosis and Management  
Ulster Paediatric Society, 7<sup>th</sup> – 8<sup>th</sup> May 1999, Co Cavan

Mitchel D J, Mulholland H C, Bell K  
Aneurysm of the Vein of Galen: Experience in Northern Ireland from 1985 to 1999  
Annual General Meeting of the Irish Perinatal Society, 14<sup>th</sup> – 15<sup>th</sup> May 1999, Dublin

Mulholland H C, Stewart C  
Paediatric Cardiac Catheterisation – a 5 year audit  
Ulster Paediatric Society 8<sup>th</sup> May 1999, Slieve Russell, Co Cavan

Sands AJ, Casey FA, Craig BG, Dornan JC, Rogers J, Mulholland HC  
Ventricular Septal Defects; A Remarkably Frequent Finding in a “Normal” New-born Population  
Association of European Paediatric Cardiologists (June 1998)  
Cardiology in the Young 1998(9) Suppl 1:29

Sands AJ, Casey FA, Craig BG, Dornan JC, Rogers J, Mulholland HC  
Ventricular Septal Defect; A Frequent Finding in a “Normal” New-born Population  
European Society for Paediatric Research (Sept 1998)  
Paediatric Research Sept. 1998; 44 (3) 422

Sands AJ, Casey FA, Craig BG, Dornan JC, Rogers J, Lynch C, Mulholland HC  
Ventricular Septal Defects (VSD's): The Relationship of Social Class and Area of Residence  
to Occurrence Rate  
Irish Cardiac Society AGM Sept 1999  
Irish Journal of Medical Science

Sands AJ, Casey FA, Craig BG, Dornan JC, Rogers J, Lynch C, Mulholland HC  
Neonatal Echocardiographic Screening for Congenital Heart Disease in Low Risk, New-born  
Infants  
Irish Cardiac Society AGM Sept 1999  
Irish Journal of Medical Science

Thompson AJ, Mulholland HC  
The Incidence of Cardiac Lesions in Infants Born with Major Gastro Intestinal Malformations  
In Northern Ireland  
Ulster Medical Journal Vol 69 Page 23-26 May 2000

Kavanagh C, Craig BG, Mulholland HC,  
Treatment of Native Coarctation and Post Operative Recoarctation by Balloon Angioplasty, 10 Year  
Follow-up Results  
Belfast, Northern Ireland, Nov 2000

Sands A J, Casey F A, Craig B G, Mulholland H C,  
Occlusion of the Persistent Arterial Duct using the Rashkind Double Umbrella: A Medium Term  
Perspective  
Presented at JMF ( Ulster Paediatric Society ). Dec. 1997

Oral presentation at European Society for Paediatric Research Conference ( Sept. 1998 ). Abstract  
Published: Paediatric Research ( Sept. 1998;44 (3) 422 )

El Mallah M K, Sands A J, Casey F A, Craig B G, Mulholland H C  
Transcatheter Occlusion of the Patent Ductus Arteriosus (PDA): A Comparative Study of Two  
Widely Used Devices  
Oral presentation ( by first author ) at Paediatric Research Society Conference March 2001

El Mallah M K, Sands A J, Casey F A, Craig B G, Mulholland H C  
Transcatheter Occlusion of the Patent Ductus Arteriosus (PDA): A Comparative Study of Two  
Widely Used Devices  
Poster presentation at Paediatric Cardiology & Paediatric Cardiac Surgery World Congress May  
2001.

Sands AJ, Casey FA, Craig BG, Dornan JC, Rogers J, Lynch C, Mulholland HC.,  
Ventricular Septal Defects (VSD's): The Relationship of Social Class and Area of Residence to  
Occurrence Rate.  
Oral presentation at annual congress of Fetal Cardiology/The Fetus as Patient (May 1998). Abstract  
Published *Fetal Diagnosis and Therapy* Feb 1998;13 (suppl. 1) 148

Sands AJ, Casey FA, Craig BG, Dornan JC, Rogers J, Lynch C, Mulholland HC.,  
Ventricular Septal Defects (VSD's): The Relationship of Social Class and Area of Residence to  
Occurrence Rate.  
Poster presentation at annual meeting of Irish Cardiac Society (Sept. 1999). Abstract published *Irish  
Journal of Medical Science* 1999;169(2)Suppl. 1:39

Sands AJ, Casey FA, Craig BG, Dornan JC, Rogers J, Mulholland HC.  
Ventricular septal defects; A remarkably frequent finding in a "normal" new-born population.  
Poster presentation at annual meeting of the Association of European Paediatric Cardiologists  
(June 1998). Abstract published *Cardiology in the Young* 1998(9)Suppl.1:29

Sands AJ, Casey FA, Craig BG, Dornan JC, Rogers J, Mulholland HC.  
Ventricular septal defect; A frequent finding in a "normal" new-born population.  
Oral presentation at European Society for Paediatric Research Conference (Sept. 1998). Abstract  
Published *Journal of Paediatric Research* Sept. 1998;44(3)422

Sands AJ, Casey FA, Craig BG, Dornan JC, Rodgers J, Lynch C, Mulholland HC.  
Neonatal Echocardiographic Screening for Congenital Heart Disease In Low Risk New-born Infants  
*Presented and first prize winner "best scientific content" Ulster Paediatric Society Juniors Forum  
Dec.1998.*

Sands AJ, Casey FA, Craig BG, Dornan JC, Rodgers J, Lynch C, Mulholland HC.  
Neonatal Echocardiographic Screening for Congenital Heart Disease In Low Risk New-born Infants  
*Poster presentation at annual meeting of the Association of European Paediatric Cardiologists (Sep.  
1999). Abstract published Cardiology in the Young. 1999 (9) Suppl. 2:19*

Sands AJ, Casey FA, Craig BG, Dornan JC, Rodgers J, Lynch C, Mulholland HC.  
Neonatal Echocardiographic Screening for Congenital Heart Disease In Low Risk New-born Infants  
Oral Presentation at annual meeting of Irish Cardiac Society (Sep. 1999). Abstract published *Irish  
Journal of Medical Science* 1999;169 (20 Suppl. 1:24

Sands A, Mulholland HC, Casey FA, Craig BG, Dornan J, Rogers J, Patterson C.  
Screening for Congenital Heart Disease (CHD) In Low Risk Newborns.  
Oral presentation at joint meeting of Irish Paediatric Association and Ulster Paediatric Society 5.5.00

Sands A, Mulholland HC, Casey FA, Craig BG, Dornan J, Rogers J, Patterson C.  
Screening for Congenital Heart Disease (CHD) In Low Risk Newborns.  
Oral presentation at annual meeting of Irish Cardiac Society 22.9.00. Abstract published *Irish Journal of Medical Science*

Sands A, Mulholland HC, Casey FA, Craig BG, Dornan J, Rogers J, Patterson C.  
Screening for Congenital Heart Disease (CHD) In Low Risk Newborns.  
Oral presentation at annual meeting of European Society for Paediatric Research 27.9.00. Abstract published *Paediatric Research* 2001;49 (2):284

Sands A, Mulholland HC, Casey FA, Craig BG, Dornan J, Rogers J, Patterson C.  
Screening for Congenital Heart Disease (CHD) In Low Risk Newborns.  
Oral presentation at annual meeting of Irish and American Paediatric Society 30.9.00

Sands A, Mulholland HC, Casey FA, Craig BG, Dornan J, Rogers J, Patterson C.  
Screening for Congenital Heart Disease (CHD) In Low Risk Newborns.  
Oral presentation at annual meeting of the British Paediatric Cardiac Association 23.11.00

Sands A, Mulholland HC, Casey FA, Craig BG, Dornan J, Rogers J, Patterson C.  
Screening for Congenital Heart Disease (CHD) In Low Risk New-borns.  
Poster presentation at Paediatric Cardiology and Paediatric Cardiac Surgery World Congress (May 2001).