Bernadette O'Hare FRCPCH MPH Senior Lecturer in Paediatrics and Child Health RCPCH advisor for East Africa Department of Paediatrics and Child Health, College of Medicine - University of Malawi. Private Bag 360, Chichiri, Blantyre 3, Malawi (C.Africa)

Cell:
Email

Skype:

QUALIFICATIONS

**FRCPCH** 

Fellow of the Royal College of Paediatrics and Child Health

Awarded July 2010

**MPH** 

Masters in Public Health

Awarded by University of Wales

2008

DTM&H

Diploma in Tropical Medicine and Hygiene

Awarded by Liverpool School of Tropical Medicine

December 1995

MRCP

Member of the Royal College of Physicians

Awarded by Royal College of Physicians of Edinburgh

February 1995

**DRCOG** 

Diploma in Obstetrics and Gynaecology

Awarded by Royal College of Obstetrics and Gynaecologists

January 1993

DCH

Diploma in Child Health

Awarded by University College, Dublin

March 1992

MB BCh BAO

Bachelor of Medicine, Bachelor of Surgery and Bachelor of

Obstetrics.

Awarded by Queens University of Belfast.

July 1988.

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#### **CAREER SUMMARY**

#### POSTS AS CONSULTANT PAEDIATRICIAN

March 2010 on going

Senior Lecturer in Paediatrics and Child Health, College of Medicine, University of Malawi, Blantyre, Malawi.

Lead Consultant for Paediatric HIV, Queen Elizabeth Hospital, Blantyre.

Advisor to the Royal College of Paediatrics and Child Health for East Africa

#### **Current responsibilities**

#### Clinical

As a paediatrician I provide senior medical cover across the paediatric unit (300 beds). This includes neonatal and high dependency care, as well as work in child protection. On-call cover also includes a very busy paediatric emergency department which treats 100,000 children per year, admitting approximately 150 per day.

As lead for pediatric HIV and member of the Family HIV clinic senior management team, I coordinate a large team which provides pediatric HIV care for several thousand patients both pre and post commencing antiretroviral therapy.

I commissioned a needs assessment and wrote the proposal for a managed HIV clinical network which has been funded by PEPFAR, which supports our HIV clinic. We visit 4 HIV clinics in the Blantyre district each month and provide mentoring and support to those clinics. I coordinate a team of volunteers, which provide monthly peer group support for 170 teenagers living with HIV. I am a member of the team which set up our recently established clinic for pregnant mothers for prevention of mother to child transmission. I am a member of the team which set up our HIV/TB co infection clinic.

I am a member of the technical working group, National ART Programme, Ministry of Health Malawi

I co authored the paediatric section of the 2012 National TB Programme guidelines.

#### Academic

I teach undergraduate and post graduate, medical, clinical officer and nursing students, both formally and informally on ward rounds and using online resources.

I populated and manage the Department of Pediatric Website and ensure resources are up to date and that students and staff are familiar with how to find information. www.medcol.mw/paediatrics

As academic liaison officer I am responsible for developing online resources for undergraduate and postgraduates. This is a project, which the College of Medicine is undertaking in collaboration with the University of Edinburgh. <a href="https://www.medcol.mw/paediatrics">www.medcol.mw/paediatrics</a> see E learning

The College of Medicine is currently developing a BSC for clinical officers and I am a member of the core working group on this initiative.

Departmental coordinator for final year medical students; I coordinated all lectures, ward, clinic and on call allocations for this group of students. (April 2010 –April 2011)

#### Research

Co investigator on operational research for a USAID funded, Save The Children implemented project with the aim of streamlining maternal, neonatal and childcare provided in the community by Health Surveillance Assistants (HSAs). Our operational research is a cluster randomized controlled trial looking at the way the HSAs are trained and supervised in order to ascertain which model results in improved outcomes for mothers and children. We will compare integrated training and supervision versus the current fragmented approach with multiple vertical programmes.

Co investigator on a study investigating chronic lung disease in adolescent children with HIV using oxygen saturation, spirometry and chest X ray. We have enrolled 180 children and are investigating responsiveness to nebulized salbutamol. We presented our findings at 19<sup>th</sup> Conference on Retroviruses and Opportunistic Infections, CROI, Washington March 2012

Co investigator on a randomized controlled trial comparing steroids versus no steroids as adjunctive therapy for HIV infected infants infected with pneumocystis jiroveci pneumonia.

Founding member of CHERI, Child Health and economics research Initiative. In March 2012, with an economist, a social scientist and a statistician and after a year's informal collaboration, we formed a small research initiative. We have one research assistant. The aim of the group is to develop a policy analysis tool for understanding the impact of international and national policies on child health. Our first step has been to try and establish the relationship between income and child health in Sub Saharan Africa and we are in the process of systematically reviewing the literature in this field, prior to carrying out our own research.

January 2008 -August 2008 and March 2009 -September 2009 Consultant paediatrician, Ministry of Health and Social Welfare at the Department of Paediatrics, Queen Elizabeth II, Maseru, Lesotho. (During Leave of absence from UK consultant post.)

Responsibilities included caring for an average of 50 inpatients and a 25 bed neonatal nursery. Outpatient responsibilities included reviewing complex patients referred from a nurse led HIV and TB clinic and a general paediatric outpatient clinic.

We standardized patient management by implementing WHO guidelines. This involved clinical training in the work place, the distribution of handbooks to front line health care workers and the use of charts placed strategically throughout the paediatric unit. . I worked with the MOHSW on adapting the WHO HIV/TB co infection guidelines for local use. I co authored guidelines on the management of common paediatric conditions for the national guidelines handbook.

## Teaching

In 2008, I personally trained 9 nurses over a 12-week period on WHO guidelines, including ETAT and consolidated this with on the job training.

Lesotho is twinned with Wales and I coordinated and supervised electives/visits from Welsh medical students and other health professionals.

June 2002 - March 2010

Consultant General Paediatrician (with an interest in infectious diseases)
Children's Hospital for Wales, University of Wales, Cardiff. UK

Clinical

### Paediatric Infectious Diseases

Our infectious diseases service provides a consult service for children with infectious diseases both within the hospital and in other hospitals in Wales. I was lead for the paediatric HIV service, which cared for all positive children in South Wales and provided the paediatric component of the PMTCT programme. I was part of the team, which set up the PMTCT programme and authored the paediatric component of the guidelines and updated them as evidence dictated. Our service for paediatric TB included managing children infected with TB, investigating contacts of TB and outbreak management.

### General paediatrics

The general paediatric service included a service week every six weeks, when all admissions were admitted under my care. During service week the consultant is responsible for 40-60 inpatients, all children reviewed in the busy onsite ambulatory unit, a six bedded high dependency unit and being available to attend accident and emergency when required.

In 2004, I developed our hospital paediatric intranet site and published all guidelines on this. I coordinated our monthly guideline meeting where new evidence was reviewed and incorporated into our guidelines. I worked with colleagues to introduce and establish the culture of a twice-daily handover. I designed a database that recorded all admissions and produced a printed patient list each day. We established the culture of a weekly clinical meeting to discuss complex patients in a multidisciplinary setting.

This role also includes managing junior medical staff and nurse practitioners, with the team averaging fifteen to twenty members. When not on service week, responsibilities included following up inpatients, running general outpatient clinics, supervision and mentoring.

### Teaching

I delivered lectures and training on paediatric infectious diseases to undergraduates and Welsh postgraduates throughout my time in this post.

After a feasibility visit and with our local partner, we secured \$26,000 from the Elton John foundation. This was spent on paediatric services and training in the main children's department in Djibouti Town. In this role I spent time in Djibouti for the initial study and for an evaluation visit.

July 2001– February 2002	Paediatrician Mulago Hospital, Kampala, Uganda (Funded by Child Advocacy International, a UK NGO)
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In this post I managed three projects.

An outreach program, which provided home-based care for 200 HIV positive children who had lost one or both parents, see [Abstract]

We developed a peer support group for people who cared for HIV positive children to empower and educate.

A neonatal resuscitation program. I secured funding for a pilot and with the neonatologist; we trained five midwives in neonatal resuscitation. The pilot showed a reduction in birth asphyxia and funding was secured to establish an ongoing program. The Ministry of Health now funds this program, see [Abstract]

In this post I managed the budget for all three programs, including the salaries of 12 members of staff, car, medications and other consumables. I managed the staff including recruitment and induction.

We secured funding from the World Food Program to provide ongoing food security for the families under our care for three years.	
TRAINING POSTS	
July 1998 - February 2000	Fellow in Paediatric Infectious Diseases Hospital for Sick Children, Toronto, Canada. (During year 4/5 of paediatric training).
Training post in pedia Children, Toronto. Thi infections in immunoc	tric infectious diseases in the Infectious Diseases Division, Hospital for Sick is included training in HIV, tuberculosis, infections in previously well children and compromised children.
December 1995 - July 2001	Specialist Paediatric Registrar in Northern Ireland Paediatric Training Rotation based at Royal Belfast Hospital for Sick Children, Belfast.
neurology and neonal	dediatrics including subspecialty training in cardiology, gastroenterology, tology. I obtained my Certificate of Specialist Training at the end of this training the General Medical Council as a Specialist Paediatrician and a Fellow of the diatrics.
September 1995 - December 1995	Diploma in Tropical Medicine and Hygiene (DTM&H) Liverpool School for Tropical Medicine
Three months full time tropical infections	e training in tropical medicine, including HIV, Tuberculosis, malaria and all
January 1992 - August 1995	Senior House Officer, including obstetrics, psychiatry and A&E. Our Ladies Hospital for Sick Children, Dublin. Ireland, Coleraine District General, N.Ireland and Royal Belfast Hospital for Sick Children.
October 1991 - January 1992	Locum Registrar, Paediatric Neurology Royal Belfast Hospital for Sick Children, Belfast, N.I.
August 1989 - July 1991	Resident and Registrar in paediatrics. Brisbane Children's Hospital, Mater Children's Hospital & Sydney Children's Hospital
August 1988 – August 1989	Junior House Officer Mid-Ulster Hospital, N. Ireland

#### **PUBLICATIONS**

#### Research Articles

Referral patterns, diagnoses, management and outcome in a paediatric ward in Lesotho O'Hare BA, Oladoyinbo, A, Phiri, G Lesotho Medical Journal

May 2009 Volume 7, Number 1, pages 4-11 [Full Text]

### First do no harm: The impact of recent armed conflict on maternal and child health in Sub Saharan Africa

O'Hare BAM, Southall DP Journal of the Royal Society of Medicine December 2007 Volume 100, Number 12, pages 564-570 [Full text]

### A Pilot Study to determine if Nurses Trained in Basic Neonatal Resuscitation would Impact the Outcome of Neonates Delivered in Kampala, Uganda

B. A. O'Hare, M. Nakakeeto, and D. P. Southall Journal of Tropical Paediatrics October 2006, Volume 52, Number 5, pages 376-379 [Abstract] [Full Text] [PDF]

# Home-based care for orphaned children infected with HIV/AIDS in Uganda.

O'Hare BA, Venable J, Nalubeg JF, Nakakeeto M, Kibirige M, Southall DP May 2005; 17(4):443-50. [Abstract] [PDF]

## Different sex ratios at birth in Europe and North America. Maternal cytomegalovirus seropositivity affects sex determination, comment.

Shields MD, O'Hare B, Nelson J, Stewart MC, Coyle P British Medical Journal August 2002, 325(7359):334 [Abstract]

### Collaborator on studies, which resulted in the following publications:

Differences in factors associated with initial growth, CD4, and viral load responses to ART in HIVinfected children in Kampala, Uganda, and the United Kingdom/Ireland. [Abstract]

HIV-1 drug resistance in HIV-1-infected children in the United Kingdom from 1998 to 2004. [Abstract]

#### Reviews

### Challenges in the Management of HIV-Infected Malnourished Children in Sub-Saharan Africa Indi Trehan, Bernadette A. O'Hare, Ajib Phiri and Geert Tom Heikens AIDS Research and Treatment, March 2012 [Full text]

## **Self Assessment Questions on Tuberculosis**

Heraghty J, O'Hare BA Paediatrics and Child Health Journal April 2008 [Link]

A Generation at Risk: The Global Impact of HIV/AIDS on Orphans and Vulnerable Children. Edited by Geoff Foster, Carol Levine and John Williamson O'Hare BA Book review

Journal of American Medical Association JAMA August 2006; 296: 870

[Full text]

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### The needs of children newly arrived from abroad

Elspeth Webb, Amanda D. Ryan and **Bernadette A.M. O'Hare** Current Paediatrics August 2005, Volume 15, Issue 4, Pages 273-374 [Abstract]

Child health in Africa: 2005 a year of hope? Leading Article O'Hare B, Venables J, Southall DP Archives of Disease in Childhood August 2005, 90(8):776-81.

[Abstract]

Weaning: a worry as old as time
Davies DP, O'Hare B
Current Bacdiatrics

Current Paediatrics April 2004, Volume 14, Issue 2, pages 83-96 [Abstract]

#### AK 47 MC Arms kill mothers and children

O'Hare BAM, Southall DP Welsh Paediatric Journal Editorial Autumn Edition 2003

Empty arms: the effect of the arms trade on mothers and children

Southall, D. P. & **O'Hare, B. A.**British Medical Journal, BMJ
December 2002, vol. 325, no. 7378, pp. 1457-1461.
[Full text]

Peer reviewed case reports

HIV associated nephropathy in the setting of maximum virological suppression. Hedge S, Singh C, O'Hare BA

Pediatr Nephrol. 2011 Jun;26(6):973-7. [Abstract]

Laryngeal papillomatosis in a child with HIV infection presenting with acute obstruction

Barker M, O'Hare BA

Lesotho Medical Journal, Volume 7, No2 October 2009 [Full Text]

### Rash associated with the Heaf test in abdominal TB

Menon L, O'Hare BA, Hutton K, Davies I Archives of Disease in Childhood August 2006; 91:670; [Full Text]

Non-antibiotic Associated C.difficile Diarrhoea in a 7 week-old Infant,

Kader, A., **O'Hare, B.**, Valappil, M. K. Indian Pediatrics, 2004, Volume 41,Number 10, pages 1045-1048.

Clinical case – Use your ears
O'Hare BAM, Kader A, Powell CVE
Archives of Disease in Childhood - Education and Practice
June 2004;89:ep9-ep14
[Abstract]

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Back Pain in children: The different possibilities.

Harish M, **O'Hare BAM.** Welsh Paediatric Journal Spring Edition 2003

Haemoptysis and Epstein-Barr virus infection

Weinstein, M. **O'Hare, B.**Pediatric Infectious Diseases Journal
August 2000, vol. 19, no. 8, pp. 759-760.
[Abstract]

### **Book Contributions**

Oxford Textbook of Palliative Care for Children Oxford University Press ISBN: 0 19 852653-9 Edited by Ann Goldman, Richard Hain and Stephen Liben Chapter 30 HIV/AIDS Debbie Norval, Bernadette O'Hare and Rodica Matusa

Ureaplasma Urealyticum Rudolph's Pediatrics. ISBN: 0838582850 21st Edition Dr Bernadette O'Hare, Dr Elaine Wang.

Ureaplasma Urealyticum. Fetal and Neonatal Secrets (The Secrets Series) ISBN 1560534249 Published June 2001 Dr Bernadette O'Hare, Dr Elaine Wang

#### Other contributions

Paediatric Antiretroviral Therapy in Sub Saharan Africa in 2006 BA O'Hare International Child Health Group Newsletter November 2006, Volume 2, Issue 3 [Full text]

Journal Watch Bernadette O'Hare International Child Health Group Newsletter June 2005, Volume 1, Issue 1. [Abstract]

# Interactive CD-ROM

Advanced Paediatric Life Support - The Practical Approach CD Rom Produced by BMJ, Child Advocacy International and PALS, 2002 The management of Status Epilepticus. O'Hare BA

Advanced Paediatric Life Support - The Practical Approach CD Rom Produced by BMJ, Child Advocacy International and PALS, 2002 Digital video footage (from Uganda) O'Hare BA

# PRESENTATIONS & PUBLISHED ABSTRACTS

Impact of Blantyre Teen Club on the lives of HIV-positive teens and their guardians. <u>B.Munkhondya</u> <u>Esnath Kapito</u>, R. Chamanga, E.Chadza, C.Bwazi, K.Bultemeier, B. OHare 2nd Annual Malawi Mental Health Research and Practice Conference, March 2012

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Chronic lung disease in HIV infected adolescents. Oral presentation Rylance, J. Mwalukomom T, Rylance, S. O'Hare BA. Corbett EL 19<sup>th</sup> Conference on Retroviruses and Opportunistic Infections, CROI Washington March 5-8<sup>th</sup> 2012

Impact of Blantyre Teen Club on The Lives Of Guardians and their HIV Positive Teens. Kapito, E., Chadza, E., Munkhondya, B., Chamanga, R., Bwazi, C., Bultemeier, K. & O'Hare, B College of Medicine, Research Dissemination Day, 19<sup>th</sup> November 2011

Use of Bubble CPAP (bCPAP) in Malawi.

<u>HJ Lang,</u> O Jeffries, J Ward, J Cook, E Mbale, T Katangwe, J Njiram'madzi, M Chiume, E Smith, B O'Hare, N Kennedy, E Molneux, TG Heikens

Paediatric Intensive Care Society, Annual Meeting 2011, Cambridge

Influence of HIV status and nutritional status on outcome in a paediatric ward in Lesotho.

Oladoyinbo A, Phiri G, O'Hare BA

Oral presented at the Welsh Paediatric Society Autumn Meeting, 2008

Published in the Welsh Paediatric Journal 2008

EDA-ID due to NEMO mutation complicated by disseminated mycobacterium infection: successful haematopoietic stem cell transplantation.

Abinun, M; Jolles, S; Hare, BO; Jenney, M; Barton, J; Dofnnger, R; Kumararatne, DS; Flood, TJ; Gennery, AR; Clark, J; Slatter, M; Hughes, S; Cant, AJ Clinical & Experimental Immunology. June 2008.

Bruised feet and bruised egos

Griffiths N, O'Hare BA

Oral/poster presentation, The Welsh Paediatric Society and the Royal College of Paediatrics and Child Health in Wales May 2006

Published in the Welsh Pediatric Journal 2006

Rash associated with the Heaf test in abdominal TB

Menon L, O'Hare BA, Hutton K, Davies I

Oral/poster presentation, The Welsh Paediatric Society and the Royal College of Paediatrics and Child Health in Wales May 2006. Published in the Welsh Paediatric Journal

Distal determinants of Child Health in Africa

O'Hare BA

Oral presentation at the European society of Social Paediatrics, Sibenik, Croatia, June 2005

Caring for orphans with HIV/AIDS in Uganda

O'Hare BAM, Venables J, Nalbeg JF, Nakakeeto M, Kibirige M, Southall DP

Oral presentation at the Royal College of Paediatricians and Child Health Spring meeting in York 2003, International Child Health section.

Published in Archives of Diseases in Childhood April 2003

Basic Neonatal resuscitation in a resource poor setting

O'Hare BAM, Venables J, Nakakeeto M, Kibirige M, Southall DP

Oral presentation Royal College of Paediatricians and Child Health Spring meeting in York 2003, International Child Health section.

Published in Archives of Diseases in Childhood April 2003

Paediatric invasive pneumococcal disease in the University Hospital of Wales.

Cloete E, O'Hare BA

Oral/Poster Presentation at The Welsh Paediatric Society and the Royal College of Paediatrics and Child Health in Wales May 2004

Published in the Welsh Paediatric Journal 2004

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Cost of antiretroviral for HIV infected Ugandan children.

O'Hare BAM, Musoke P.

Poster presentation at The XIV International AIDS Conference, Barcelona July 7-12, 2002.

Establishing a paediatric outreach programme for orphans with AIDS.

Venables J. O'Hare BAM.

Poster presentation at The XIV International AIDS Conference, Barcelona July 7-12, 2002.

The natural history and common problems with HIV/AIDS in Africa.

O'Hare BAM, Venables J, Nalbeg JF, Nakakeeto M, Kibirige M, Southall DP.

Oral presentation at the Paediatric Research Society Oral Presentation September 20-21st Liverpool.2002

Abstract published Current Paediatrics

Palliative care for African Orphans with HIV/AIDS.

Venables J, O'Hare BAM, Nalbeg JF, Nakakeeto M, Kibirige M, Southall DP. Presented Welsh Paediatric Society 25<sup>th</sup> October 2002

Published Spring Edition of Welsh Paediatric Journal

Nurse led, home based, care for African Children with AIDS.

O'Hare BAM, Venables J, Nalubeg JF.

Abstract published on CD - ROM abstract collection of the XIV International AIDS Conference

Barcelona, July 7-12, 2002.

Abstract number B10659

Methylphenidate and ADHD, do we follow the Guidelines?

O'Hare BA, Hollinger M

Oral presentation at the British Association of Community and Child Health, N. Ireland, 2001

Epidemiology of Rotavirus.

O'Hare BA, Ford Jones L

Oral presentation at the Royal College of Paediatricians and Child Health

Spring meeting in York 2000, Infectious diseases section

The association of CMV status and Gender.

O'Hare B, Shields MD, Nelson J, Stewart MC, Coyle P

Oral presentation at the Ulster Paediatric Society 1998

#### **INVITED LECTURES**

HIV in Children in Africa and in the UK.

MSc in Child Health,

Child health and society module, Cardiff University

March 2006 and December 2007

Maternal and Child Health.

International Child Health evening lecture

York Spring Meeting 2004

Palliative Care in African Children with HIV/AIDS.

Paediatric Palliative Care Conference, Cardiff

5-6<sup>th</sup> December 2002

**TEACHING** 

### Post graduate teaching/mentoring

The socioeconomic determinants of child health In Sub Saharan Africa MMED in Paediatrics and Child Health College of Medicine, Blantyre, Malawi

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MMED Thesis – Zidovudine and anaemia in HIV positive children – a longitudinal observational cohort study

Basic immunology and paediatric HIV MMED in Paediatrics and Child Health College of Medicine, Blantyre, Malawi

Determinants of child health in Africa
MSc in Child Health,
Child health and society module, Cardiff University

Welsh SPR teaching programme Infectious diseases and immunology module University Hospital Cardiff

Welsh SHO teaching programme Infectious diseases module University Hospital Cardiff

## Under graduate teaching/mentoring

MBBS IV research project – The psychosocial impact of HIV on perinatally infected adolescents 1<sup>st</sup> prize at College of Medicine Dissemination Research Day November 2011

Departmental final Year Coordinator for Paediatrics April 2010-April 2011 College of Medicine, Blantyre, Malawi

History, examination and differential diagnosis in paediatrics HIV in Children MBBS V and MBBSIII College of Medicine, Blantyre, Malawi

Five lectures per year in infectious diseases Fourth year Medical Student Lectures University of Wales College of Medicine,

### ONGOING RESEARCH SUPPORT

Co investigator for operations research for USAID funded Save the Children implemented project Child Survival project, Blantyre District, Malawi.

### COMPUTER SKILLS

SPSS – to MPH level
Access and Excel – Can design databases, queries, forms and reports
Reference manager and Endnote
Web design (Dream weaver and iweb)
Articulate – online teaching resource

# MEMBERSHIPS

GMC - General Medical Council UK
MMC- Malawian Medical Council
RCPCH - Royal College of Paediatricians and Child Health
ICHG - International Child Health Group
WPS - Welsh Paediatric Society
CH2015 Child Healthcare Information and Learning Discussion-group

ONGOING CAREER DIRECTION

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As a pediatrician working in resource constrained settings, I have become increasingly aware of the importance of the wider or upstream determinants of health. We are pursuing research that will determine the most important mid and upstream determinants of child and maternal health in Sub Saharan Africa. The purpose of this research is to influence policy by using the results to advocate for change at national and international level. I consider inspiring interest in this field in the next generation to be part of this process. While advocating for a more equitable world at the upstream level, I also consider it vitally important to work on the ground, to do what I can to help mothers and children now.