

SHORT CURRICULUM VITAE 2018

Dr Joe Brierley

TITLE: Consultant Paediatric Intensive Care & Director of Bioethics

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RELEVANT QUALIFICATIONS BY EXAMINATION OR ASSESSMENT:

MBChB University of Leeds 1993
Member of the Royal College of Physicians Edinburgh 1996
Fellow of the Royal College of Paediatrics and Child Health 1998
MA Medical Ethics and Law, Keele University 2004
Fellow of the Faculty of Intensive Care Medicine 2013

MEMBERSHIPS:

Member of Paediatric Intensive Care Society
Member of the British Medical Association
Member of the European Society of Paediatric and Neonatal Intensive Care Medicine (ESPNIC) & European Society Intensive Care Medicine
Member of the Society of Critical Care Medicine (USA)
Fellow of the Royal Society of Medicine

POSITIONS & POSTS:

- Consultant Critical Care & Director of Paediatric Bioethics, Great Ormond Street Hospital NHS Trust & Consultant with CATS (Children's Acute Transport Service)
 - Clinical Lead Organ Donation Great Ormond St Hospital
 - Immediate Past Chair Royal College of Paediatrics and Child Health Ethics and Law Advisory Committee.
 - Member of National Organ Donation Committee & Academy Medical Royal Colleges Donor Ethics Committee (UKDEC)
 - APLS, EPLS instructor and course director
 - STeLI Simulation trainer
 - National Research Ethics training days for NRES
 - Past President European Society of Paediatric and Neonatal Intensive Care Medicine (ESPNIC)
 - Member Nuffield Council Bioethics Paediatric Research Ethics Working Group
 - Lead EPIC (European Paediatric & neonatal Intensive Care) Diploma
 - Chair European Board of Paediatric & Neonatal Intensive Care
 - Chair ICH/GOSH Declaration of Interests Committee
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EXPERIENCE:

- Consultant Intensive Care Great Ormond St Hospital for Sick Children: Resuscitation & manage of acutely ill and injured children
- Expertise in the management of critically-ill neonatal surgical patients & other infants needing high levels of critical care
- Expertise national/international transfer critically-ill children & babies
- Trained & lecture in child protection (level 3)
- Major interest in medical ethics, member of both clinical and research ethics committees & Trustee UK Clinical Ethics Network
- Forensic Medical Sciences Course (Guys) 2004-5
- Educational supervisor for > 40 PICM trainees
- Chair/Lead European Academy of Paediatrics 2018 Paris
- Lead for ESPNIC Winter/Summer school program

Areas of expertise:

- Paediatric & Neonatal Intensive Care, organ support.
- End of life care.
- Organ donation.
- Acute trauma & traumatic brain injury.
- Resuscitation.
- Shock and severe infections.
- Medical ethics.
- Hospital Infections.
- International conference organisation
- Teaching and organizing training/simulation
- Second opinions for Hospital, parents/families and the Courts
- Organized several major international medical conferences

Training:

- Paediatric intensive care medicine Great Ormond St ICUs
 - 1 year New South Wales Emergency Transport. Sydney
 - 2 years ICU/Cardiology Fellow Royal Brompton hospital
 - Good Clinical Practice - up to date
 - AAC panel member training 2014 and panels 2014-17
 - Equality and diversity training 2009, 2012, 2015
 - NHS Appraiser training 2015 & 2017
 - Trained mentor
 - Formal media training 2011
 - Bond Solon expert witness written and court courses 2010
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MEDICO-LEGAL

- > 20 medico-legal reports for both CPS and defence
- Bond-Solon Excellence in Report Writing for Expert Witnesses & Courtroom Skills Training
 - Given evidence - High Court (including Family Division) & several District Courts

TEACHING:

- External Lecturer to the Universities of Brighton, Bristol, Keele, Surrey, Nottingham, Cardiff, South Bank, Kings College & UCL on ICU topics and ethics
- International speaker on haemodynamic optimization in septic shock in children, HCAI, organ donation & research/clinical paediatric ethics.

Recent Invited speaker

- WFPICCS Singapore 2018
- Shanghai PICU meeting 2018
- Shanghai, Taipan, Guangdong & 4 other Chinese centres on ICU topics 2017
- Asia Pacific Critical Care Forum 2016
- Scandinavian Anaesthetics & ICU society 2015
- European Paediatric & Neonatal Cardiac ICU, Montreux 2015
- Swiss Intensive Care Society 2015
- Saudi Intensive Care Society 2015
- ISICEM Brussels 2013, 2015
- World Federation PICU Istanbul 2014
- ESPNIC Hannover 2011, Rotterdam 2013, Vilnius 2015, Lisbon 2017
- European Academy Paediatrics Istanbul 12, Barcelona 14, Geneva 16, Paris 18
- National Russian children's ICU meeting Moscow 2011&13
- COPICON South Africa 2011
- International Neonatal Meeting Turin 2011
- UK Paediatric intensive Care meeting 2009, 10, 11, 12, 13, 15, 17, 18
- ALSG keynote lecture 2010
- RCPCH 2009, 2010, 12, 14-18
- Guangzhou, China NICU meeting 2009, 12 & 16, 17

Research Funding last 3 years

GOSCC Grant for Paediatric Bioethics	GBP 1,640,000	2018-22
GOSH Ethics grant	GBP 216,000	2014-17

SELECTED PUBLICATIONS

Ray S, Brierley J, Bush A, Fraser J, Halley G, Harrop EJ, Casanueva L. Towards developing an ethical framework for decision making in long-term ventilation in children. *Arch Dis Child*. 2018 Jun 5.

Deep A, Sagar H, Goonasekera C, Karthikeyan P, Brierley J, Douiri A. Evolution of Acute Kidney Injury and Its Association With Systemic Hemodynamics in Children With Fluid-Refractory Septic Shock. *Crit Care Med*. 2018 Jul;46(7):e677-e683.

Sanz D, D'Arco F, Robles CA, Brierley J. Incidence and pattern of brain lesions in paediatric septic shock patients. *Br J Radiol*. 2018 Jan 12:20170861

Hawkins KC, Scales A, Murphy P, Madden S, Brierley J. Current status of paediatric and neonatal organ donation in the UK. *Arch Dis Child*. 2018 Mar;103(3):210-215

Larcher V, Turnham H, Brierley J. Medical Innovation in a Children's Hospital: 'Diseases desperate grown by desperate appliance are relieved, or not at all'. *Bioethics*. 2018 Jan;32(1):36-42.

Sinitzky L, Brierley J. Reducing the number of unnecessary liver function tests requested on the Paediatric Intensive Care Unit. *BMJ Qual Improv Rep*. 2017 Jun 16;6(1). pii: u214071.w5561.

Larcher V, Brierley J. Developing guidance for pregnancy testing of adolescents participating in research: ethical, legal and practical considerations. *Arch Dis Child*. 2016 Oct;101(10):980-3.

Brierley J, Shaw D. Premortem interventions in dying children to optimise organ donation: an ethical analysis. *J Med Ethics*. 2016 Jul;42(7):424-8.

Brierley J, Larcher V. Adolescent autonomy revisited... *J Med Ethics*. 2016 Aug;42(8):482-5.

Jivraj A, Scales A, Brierley J. Elective ventilation to facilitate organ donation in infants with anencephaly: perinatal professionals' views and an ethical analysis. *Acta Paediatr*. 2016 May;105(5):494-8.

Fine-Goulden MR, Ray S, Brierley J. Decision making in long-term ventilation for children. *Lancet Respir Med*. 2015 Oct;3(10):745-6.

Brierley J. UK court accepts neurological determination of death. *Lancet*. 2015 Jun 6;385(9984):2254

Larcher V, Craig F, Bhogal K, Wilkinson D, Brierley J; Royal College of Paediatrics and Child Health. Making decisions to limit treatment in life-limiting and life-threatening conditions in children: a framework for practice. *Arch Dis Child*. 2015 May;100 Suppl 2:s3-23.

Snoek AP, Brierley J. Mucolytics for intubated asthmatic children: a national survey of United Kingdom paediatric intensive care consultants. *Crit Care Res Pract*. 2015;2015:396107.

Brierley J, Larcher V. Clinical trials of contraceptive agents in those under 16 years of age: are they necessary, ethical or legal? *Arch Dis Child*. 2014 Dec;99(12):1070-3.

Phillips R, Brierley J. Fluid responsiveness is about stroke volume, and not pulse pressure Yogi: the power of Doppler fluid management & cardiovascular monitoring. *J Clin Monit Comput*. 2015 Feb;29(1):197-200.

Larcher V, Brierley J. Fetal alcohol syndrome (FAS) and fetal alcohol spectrum disorder (FASD)-diagnosis and moral policing; an ethical dilemma for paediatricians. *Arch Dis Child*. 2014 Nov;99(11):969-70.

Laddie J, Craig F, Brierley J, Kelly P, Bluebond-Langner M. Withdrawal of ventilatory support outside the intensive care unit: guidance for practice. *Arch Dis Child*. 2014 Sep;99(9):812-6.

Modi N, Vohra J, Preston J, Elliott C, Van't Hoff W, Coad J, Gibson F, Partridge L, Brierley J, Larcher V, Greenough A; Working Party of RCPCH. Guidance on clinical research involving infants, children and young people: update for researchers and research ethics committees. *Arch Dis Child*. 2014 Oct;99(10):887-91

Honsel M, Giugni C, Brierley J. Limited professional guidance and literature are available to guide the safe use of neuromuscular block in infants. *Acta Paediatr*. 2014 May 11.

Brierley J. Preventing arrests in the intensive care unit. *J Med Ethics*. 2013 Jul 30.

Deep A, Goonasekera CD, Wang Y, Brierley J. Evolution of haemodynamics and outcome of fluid-refractory septic shock in children. *Intensive Care Med*. 2013 Sep;39(9):1602-9.

Brierley J et al. Tragedy's legacy. *N Engl J Med*. 2013 May 9;368(19):1846-7.

Brierley J, Peters MJ. Errors of fact and reasoning in consideration of shaken baby syndrome. *Am J Forensic Med Pathol*. 2012 Sep;33(3):e12; author reply e12-4.

- Brierley J, Highe L, Hines S, Dixon G. Reducing VAP by instituting a care bundle using improvement methodology in a UK paediatric intensive care unit. *Eur J Pediatr.* 2012 Feb;171(2):323-30.
- Brierley J, Pierce C. Introducing a pastoral care consultant to a PICU. *BMJ.* 2012
- Brierley J. Antenatal and intra-partum care of pregnancy of lethal fetal anomaly. (A paediatric perspective with regard to organ donation). *The Obstetrician & Gynaecologist.* 2012
- Peters MJ, Brierley J. No representation without taxation: Declaration of (load) independence in septic cardiomyopathy. *Pediatr Crit Care Med.* 2012 May;13(3):349-50.
- Brierley J, Hasan A. Aspects of deceased organ donation in paediatrics. *BJA.* 2012 Jan;108 Suppl 1:i92-5.
- Brierley J, Linthicum J, Petros A. Should Religious Beliefs Be Allowed To Stonewall A Secular Approach To Withdrawing And Withholding Treatment In Children? *J Med Ethics.* 2012
- Brierley J, Larcher L. Cui bono? Can feminist ethics show a path in complex decision-making where 'classical' theories cannot? *Clin Ethics* 6(2): 86—90.
- Brierley J, Larcher V. Organ donation from children: time for legal, ethical & cultural change. *Acta Paediatr.* 2011 Jun 10.
- Brierley J, Larcher V. Emergency research in children: options for ethical recruitment. *J Med Ethics.* 2011 Jul;37(7):429-32.
- Agrawal S, Brierley J. Optic nerve sheath measurement and raised intracranial pressure in paediatric traumatic brain injury. *European J Trauma & Emergency Surgery* 22 2011.
- Bishay M, Giacomello L, Retrosi G, Thyoka M, Nah SA, McHoney M, De Coppi P, Brierley J, Scuplak S, Kiely EM, Curry JI, Drake DP, Cross KM, Eaton S, Pierro A. Decreased cerebral oxygen saturation during thoracoscopic repair of congenital diaphragmatic hernia and esophageal atresia in infants. *J Pediatr Surg.* 2011 Jan;46(1):47-51.
- Brierley J. Neonatal organ donation? *ADC Fetal Neo Ed.* 2011 Mar;96(2):F80-3.
- Pierro A, Eaton S, Rees CM, De Coppi P, Kiely EM, Peters MJ, Brierley J. Is there a benefit of peritoneal drainage for necrotizing enterocolitis in newborn infants? *J Pediatr Surg.* 2010 Nov;45(11):2117-8.
- Rowlands HE, Goldman AP, Harrington K, Karimova A, Brierley J, Cross N, Skellett S, Peters MJ. Impact rapid leukodepletion on outcome severe clinical pertussis in young infants. *Pediatrics.* 2010;126(4):e816-27.
- Brierley J, Larcher V. Lest we forget... research ethics in children: perhaps onerous, yet absolutely necessary. *Arch Dis Child.* 2010 Nov;95(11):863-6. Epub 2010 Aug 10.
- Agrawal S, Hulme SL, Hayward R, Brierley J. A Portable CT Scanner in PICU Decreases Transfer-Associated Adverse Events and Staff Disruption. *European Journal of Trauma and Emergency Surgery;* 2010; 36(4): 346-352.
- Richardson M, Hines S, Dixon G, Highe L, Brierley J. Establishing nurse-led ventilator-associated pneumonia surveillance in paediatric intensive care. *J Hosp Infect.* 2010 Apr 12.
- Brierley J. Paediatric organ donation in the UK. *Arch Dis Child (ADC).* 2010 Feb;95(2):83-8
- Brierley J, Larcher V. Compassionate & innovative treatments in children: proposal for ethical framework. *ADC.* 2009 Sep;94(9):651-4.
- Brierley J et al. *Crit Care Med.* Clinical practice parameters -hemodynamic support pediatric septic shock: 2007 update from American College of Critical Care Medicine. 2009 Feb;37(2):666-88.
- Mettauer N, Brierley J. "A Novel Use of Etomidate for Intentional Adrenal Suppression to Control Severe Hypercortisolemia in Childhood" *Pediatr Crit Care Med.* 2009;10(3):e37-40.
- Peters MJ, Brierley J. Back to basics in septic shock. *Intensive Care Med.* 2008 Jun;34(6):991-
- Brierley J, Peters M. Distinct hemodynamics in septic shock at presentation PICU. *Pediatrics* 122(4):752-9
- Willems J, Petros A, Brierley J. Enzyme replacement therapy for infantile-onset pompe disease: curse or cure? *Neurology.* 2008 29;71(5):380-1.
- Brierley J. Danger of flumazenil use in pediatric status epilepticus. *Pediatr Emerg Care.* 2006;22(3):168-9.
- Brierley J. Decisions for critically ill patients. *Chest.* 2005 Nov;128(5):3774
- Brierley J. "Right to die": changing "right" to "duty" may focus debate. *BMJ.* 2005 Jun 11;330(7504):1388
- Chaturvedi RR, Shore DF, Lincoln C, Mumby S, Kemp M, Brierly J et al. Acute right ventricular restrictive physiology after repair of tetralogy of Fallot: association with myocardial injury and oxidative stress. *Circulation.* 1999 Oct 5;100(14):1540-7

