Westmead International Update on Advances in Perinatal Care

Two days: 3rd and/or 4th October 2013.
0900 – 1600, Thursday 3rd October, 2013
Loewenthal Lecture Theatre, Westmead Hospital, NSW 2145

Suitable for Accreditation for 1 day of Continuing Professional / Medical Education

0830 Registration
0900 Welcome
Prof Tony Cunningham, Westmead Millennium Institute
Mark Tracy, William Tarnow-Mordi, Westmead Hospital

0905 Mini-Symposium: Family-centred neonatal care

0905 Will family integrated care in NICU/SCN improve newborn and parent outcomes?
Shoo Lee, Scientific Director, Canadian Institute for Human Development, Child and Youth Health.
Can parents be primary caregivers, supported by nurses? Will this be safe? Will it undermine the nurses’ role? Will it affect parental stress, breastfeeding, baby’s weight gain or length of stay? [O’Brien et al, BMC Pregnancy and Childbirth 2013; 13: 512] Shoo Lee – former Director of the Canadian Neonatal Network - will lead a cluster randomized controlled trial (RCT) in Canadian neonatal units. It will test if supporting parents as primary caregivers 8 hours a day improves these outcomes and is cost effective. The results may inform future care, not just in newborns, but also in other specialties.

Suza Trajkovski, University of Western Sydney

Suza interviewed 33 neonatal nurses in an Australian NICU [Journal of Clinical Nursing 2013; 21: 2477-87]. While they accepted Family Centred Care in principle, it was not fully applied in practice. More support from the organization and guidance and education were needed.

1000 Pros and cons of taping conversations with the neonatologist: an update.
Guan Koh, James Cook University, Phyllis Butow, University of Sydney

In a RCT in 200 mothers, those given tapes of the conversations had greater knowledge long term. [BMJ 2007; 333: 28] Are there medico-legal implications? Should parents tape conversations on their smartphones?

1045 Refreshments
1115 Chair: William Tarnow-Mordi, WINNER Centre

The Nurture Trial of Peer-Led Parent Support
Melinda Cruz, Naomi Rohr, Miracle Babies Foundation (MBF), Michelle Cunic, Deborah Schofield, Andrew Martin NHMRC Clinical Trials Centre, Kei Lui, UNSW.

MBF runs a Nurture Program of play groups for children 0-6 years who were in NICU/SCN, with parent support from peers and allied professionals. MBF works with clinicians to produce evidence-based policy [Tarnow-Mordi, Keech, Cruz, www.nejm.org/doi/full/10.1056/NEJMc1308015#comments] Melinda, Naomi and others therefore plan a RCT to test the hypothesis that joining a Nurture play/support group reduces family stress and enhances child development.

1140 Audience Discussion: Speakers, Shoo Lee, Suza Trajkovski, Kei Lui, Paul Craven, Andrew Martin

1200 Lunch

1330 Chair: James Marceau, Westmead NICU (tbc)

How safe is care at resuscitation?
Mark Tracy, Westmead NICU

Mark’s team showed that 20% of preterm infants ventilated at delivery had PaCO2 below 25 mm Hg, a risk factor for brain injury. [Arch Dis Child Fetal Neonatal Ed. 2004; 89:F84-7]. They now report a critical analysis of equipment for resuscitation, with implications for clinical practice.

1400 Can placental stem cells treat lung injury in babies children and adults?
Rebecca Lim, Ritchie Centre, Monash University

Can amniotic epithelial cells repair acute and chronic lung injury in newborns, children and adults? Placental cells may enhance organ growth after birth as well as before.

1430 Probiotics and lactoferrin in VLBW infants: international perspectives
William Tarnow-Mordi, WINNER Centre

Update from a workshop in Sydney on 4 Sept 2013 on current evidence for routine probiotics. Background to a new trial of lactoferrin to improve survival and NEC.

1500 Refreshments

1520 Panel discussion: a chance to put oral or written questions or comments on today’s topics to all speakers

1545 Thanks and Closing Remarks
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Accreditation for 1 day of Continuing Professional / Medical Education applied for

0800 Registration
0900 Welcome
Mark Tracy, Westmead NICU, William Tarnow-Mordi, WINNER Centre for Newborn Research.

0905 Chairs: Jonathan Morris, University of Sydney, Shoo Lee, University of Toronto
Midwife-led care – does it improve outcomes and save money? The M@NGO Trial and a recent Cochrane Review.
Sally Tracy, University of Sydney
Continuity is difficult to achieve in standard maternity care, where a woman may see 20 different caregivers in pregnancy. [Tracy et al. BMC Pregnancy and Childbirth 2011, 11:82]. In caseload midwifery care, (CMC) each woman has a named, lead midwife in a small group practice, greatly improving continuity. Sally will present the M@NGO RCT of CMC vs standard care in over 1700 women, to be published in The Lancet. Important findings include the cost of caseload care in public hospitals. Sally will set the results in the context of a Cochrane Review of 13 RCTs in 16,242 women, showing that midwife-led care improves continuity and reduces miscarriage, preterm birth, epidurals, forceps and episiotomy. [Sandall et al, http://onlinelibrary.wiley.com/doi/10.1002/14651858.CD004667.pub3/pdf]

0935 Panel and Audience Discussion

1000 Refreshments

1030 “The booklet helped me not to panic.”
Should we use evidence-based decision aids in perinatal care?
Phyllis Butow, University of Sydney
Decision aids (DAs) are leaflets, videos or web-based tools that improve patients’ knowledge, understanding of risks and decision making [Stacey et al, Cochrane Database Syst Rev. 2011] Phyllis has tested many DAs for patients facing difficult choices. Could they help families in perinatal care?

1100 Stillbirth – an update on prevention
Vicki Flenady, Mater Mothers’ Hospital, Brisbane
Variations in rates show that prevention is feasible [Lancet 2011; 377:1703-17]. Vicki will review current strategies, including a RCT of fetal kick counts with early intervention.

1230 Lunch

1400 Lunch

1400 Chair: Vicki Flenady, Mater Mothers’ Hospital, Brisbane
Treatment of iron deficiency anaemia in pregnancy: can we do better?

IV iron polymaltose- experience in Tasmania
Amanda Dennis, Launceston Hospital
18% of pregnant women in Launceston have iron deficiency anaemia, and many do not take, or cannot afford, oral iron. A RCT showed that IV iron polymaltose was safe and improved mental health and duration of breastfeeding. [Khalafallah et al, BMJ Open. 2012;2(5).]

1430 Should we treat iron deficiency anaemia in pregnancy with bovine lactoferrin (bLF)?
William Tarnow-Mordi, WINNER Centre
bLF is a safe, iron carrying antimicrobial, anti-oxidant anti-inflammatory dairy protein, and effective in iron deficiency anaemia. In pilot studies, serum IL-6 was reduced by bLF, but increased by iron sulphate. RCT is planned to test the effects of each on fetal growth and neonatal iron stores.

1500 Refreshments

1515 Panel discussion. A chance to put oral or written questions or comments on today’s topics to all speakers.

1555 Thanks and Closing Remarks

Inga led a study of pulse oximetry to screen for life threatening cyanotic congenital heart disease (CDH), in ~40,000 newborns. [BMJ 2009;338:a3037] 92% of babies with duct dependent CHD were diagnosed before discharge versus only 72% in control regions. Screening took 5 minutes of nursing time. Babies with sepsis and pulmonary hypertension were picked up early as well as those with CHD, further reducing the risk of death or brain damage. New data is available to assess if the introduction of high-quality fetal ultrasound has made a difference.

Audience Discussion
Registration and Payment Details

REGISTRATION, LUNCH, REFRESHMENTS
(tax deductible) $75

Mr/Mrs/Ms/Dr/Other............................................................................................................................
Name ..........................................................................................................................................................
Institution .................................................................................................................................................
Position: □ Midwife □ Neonatal Nurse □ Obstetrician □ Paediatrician
□ Neonatologist □ Parent* □ Other (please specify)........................................................................
Address ..................................................................................................................................................
State .......................................................................................................................... Post Code ..........................................
Phone Work ................................................................................................................................. Mobile ................................................................
Email .......................................................................................................................................................
Which days will you attend? □ 3 Oct [$75] □ 4 Oct [$75] □ Both [$150]

*Registration is free for parents who are not health professionals.

□ Please find enclosed a cheque or money order made payable in $A to
  “The University of Sydney”
Or, please charge my □ VISA □ MasterCard
Card Number: _______ _______ _______ _______ / _______ _______ _______ _______ _______ _______
Expiry date: _______ / _______ Amount $...........................................................................................
Name on card [block capitals]: ...........................................................................................................
Signature ..................................................................................................................................................

Please complete this form and send by mail to:
WIU Neonatal Group, NHMRC Clinical Trials Centre
Locked Bag 77, Camperdown, NSW 1450

or scanned copy by email to: WIU@ctc.usyd.edu.au

Cancellations received before 20 Sept 2013 - 50% will be refunded
Cancellations after 20 Sept, 2013 - no refund
Hotel Accommodation

Wesley Lodge

175 Hawkesbury Road, Westmead NSW 2145
is a 3 star motel directly across the road from Westmead Hospital

Booking is online:

Google: Wesley Lodge Westmead
Email: reservation@wesleylodge.com.au
Phone: 02 9635 1233
Fax: 02 9893 7018

A wide selection of other hotels and accommodation is available in Parramatta, about 10 minutes away by taxi or bus. Selections and online bookings can be made via Google: hotels Parramatta NSW

Organising Committee

Dr Neil Athayde, Maternal Fetal Medicine Specialist, Westmead Hospital

Dr Alpana Ghadge, Neonatal Group, NHMRC Clinical Trials Centre, University of Sydney

Ms Jodie Gonzalez Jennings, NHMRC Clinical Trials Centre, University of Sydney

Mr James Marceau, Clinical Nurse Consultant, Neonatal Intensive Care Unit, Westmead Hospital

Gwen Moody, Clinical Midwifery Consultant, Westmead Hospital

Prof William Tarnow-Mordi, WINNER Centre for Newborn Research, Westmead Hospital

Lisa Tonkin, Social Worker, Westmead Hospital

Dr Mark Tracy, Medical Director, Neonatal Intensive Care Unit, Westmead Hospital

Michele Underwood, Clinical Midwifery Consultant, Westmead Hospital

Mr John Whittaker, Nurse Manager, Neonatal Intensive Care Unit, Westmead Hospital