

Symposium : Simulation and beyond...

Mercure Resort Hunter Valley Gardens Corner Broke & McDonalds Roads Pokolbin NSW 2320

November 25 and 26 2010



Program



Symposium

Simulation and Beyond

Creative teaching approaches for improving patient safety.



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA



AUSTRALIAN
LEARNING
& TEACHING
COUNCIL
Promoting excellence in higher education



University of
Western Sydney



NURSINGONE CONFERENCE AND EVENT MANAGEMENT



WELCOME

Dear Colleague

On behalf of the School of Nursing and Midwifery at the University of Newcastle I am delighted to invite you to our “Simulation and Beyond” symposium.

Are you interested in exploring a range of simulation approaches and how each can be used to improve patient safety? Would you like to learn more about how to optimise the effectiveness of simulation? Do you think clinical reasoning and communication may be the ‘elephant in the room’ in terms of adverse patient out-comes? If so, this symposium is for you.

This symposium will challenge and inspire you. We have brought together a diverse range of presenters with sessions that focus on practical application, educational imperatives and research projects ... all are relevant to the teaching of health professions and to clinical practice.

We hope you will join us in the beautiful Hunter Valley as we learn with and from each other, explore the “Christmas Lights Spectacular” in the Gardens and enjoy the surrounding wineries.

Kind Regards

Tracy

Associate Professor Tracy Levett-Jones

*Deputy Head of School (Teaching & Learning) School of Nursing & Midwifery Faculty of Health
University of Newcastle Callaghan, NSW 2308*

SYMPOSIUM THEMES

1. **Outcome Focused Simulation – “if an orange works use an orange!”**

Selecting simulation options for participant-centred learning outcomes (even on a budget!)

2. **Patient Safety ... it's everybody's business!**

Using simulation and ICT to target patient safety imperatives in education and in practice.

3. **Improving clinical reasoning/decision making – is simulation the answer?**

Simulation approaches that promote clinical reasoning.

VENUE

The Mercure Resort Hunter Valley Gardens is situated in the heart of the Hunter Valley Wine Country. The Gardens span over 60 acres with sensational sights, colors, and fragrances . You ll be able to explore each garden one-by-one and enjoy an exciting journey through the thousands of flowers, trees, and shrubs with an air of discovery at every turn.



PRELIMINARY PROGRAM

DAY ONE

0830 Registration

0900 Welcome and Overview of the Australian Learning and Teaching Council Project

0930 Keynote Address: *'The Survival of Simulation: Teaching the Teacher'*

Dr John O'Donnell, DrPH, MSN, CRNA, Pittsburgh University,
Winter Institute for Simulation Education and Research (WISER), USA. Sponsored by Laerdal Australia

1015 Morning Tea

1045 Concurrent Sessions

STREAM 1

1045 Simulation, reflection, cognitive errors and clinical reasoning ...

Dr Jenny Dempsey

1105 Examining the impact of interpersonal communication on nursing students' clinical reasoning ability during simulation sessions.

Kerry Hoffman

1125 Is there a relationship between scores on the Health Sciences Reasoning Test, grade point average and the clinical reasoning ability of nursing students?

Sharyn Hunter

1145 Identifying quality indicators for the use of human patient simulation manikins and ICT- A Delphi study.

Carol Arthur

1205 Lunch

1300 Workshops* Session 1 (Three concurrent workshops)

1A Using video simulations to teach students to predict, prevent and manage patient deterioration and promote safe practice.

1B Moulage workshop.

1C Beginners guide to setting up a simulator.

1415 Afternoon Tea

1430 Workshops* Session 2 (Three concurrent workshops)

2A Using simulation to teach interprofessional communication and teamwork

2B Debriefing – pitfalls and possibilities

2C Turning case studies into online clinical reasoning scenarios using a set of generic design principles

1545 – 1630 Guest Address: *'Bridging the gap: From simulation to safe practice'*

Professor Tracey Bucknall RN PhD, Deakin University & Head, Cabrini-Deakin Centre for Nursing Research, Cabrini Health Associate Editor, Worldviews on Evidence-Based Nursing

1900 Optional Social Events

BBQ by the Pool and Christmas Lights Spectacular
Mercure Resort

STREAM 2

What impact does language ability have on international students' clinical reasoning during simulation?

Dr Sarah Jeong

An economic analysis of medium versus high fidelity human patient simulation manikins.

Samuel Lapkin

The effect of personal digital assistants (PDAs) on undergraduate nursing students' clinical reasoning.

Karen Jeffrey

High or medium fidelity patient simulation? Does it make a difference?

Jan Roche



PRELIMINARY PROGRAM

DAY TWO

0830 Registration

0900 – 0945 Guest Address: *Can Teaching interprofessional communication and teamwork through simulation create efficient patient care and better use of resources?'*

Associate Professor Marcus Watson, Senior Director Skills Development Centre, Queensland Health

0945 – 1030 Guest Address: *'Linking your decision scenario, decision outcomes and data collection method'*

Dr Leanne Aitken, Professor of Critical Care Nursing Griffith University & Princess Alexandra Hospital

1030 Morning Tea

1100 Critical Discussions Four fifteen minute presentations followed by a 30 minute discussion.

1100 Quality use of medicines, interprofessional education and patient safety.

Dr Helen Bellchambers

1115 Interprofessional simulation and dementia

Jill French

1130 Wiimali – an virtual community for nursing students

Associate Professor Tracy Levett-Jones

1145 Creating cultural empathy and challenging attitudes through Indigenous narratives
(via simulated learning programs)

Professor Cobie Rudd & Associate Professor Moira Sim

1200 Discussion

1230 Lunch

1315 Workshop 3

3A Using simulation to teach interprofessional communication and teamwork

3B Debriefing - pitfalls and possibilities

3C Turning case studies into online clinical reasoning scenarios using a set of generic design principles

1430 Afternoon Tea

1445 Workshop 4

4A Using video simulations to teach students to predict, prevent and manage patient deterioration and promote safe practice.

4B Moulage workshop.

4C Beginners guide to setting up a simulator.

1600 – 1615 Symposium Close



KEYNOTE AND GUEST SPEAKERS



John M. O'Donnell DrPH, MSN, CRNA

Director, University of Pittsburgh Nurse Anesthesia Program

Associate Director, Winter Institute for Simulation, Education and Research

John O'Donnell has been Director at the University of Pittsburgh School of Nursing Nurse Anaesthesia Program since 1994. He is an acknowledged expert in human simulation education and has published and presented in this area on the local, state, and national levels. John's areas of interest in addition to human simulation education include problem based educational approaches, procedural sedation, and injury epidemiology related to medical error. As Director of the Nurse Anaesthesia Program, John's scholarly interests include education and simulation training, as well as anaesthesia. One of his current

interests is to work to shift the paradigm of training for intravenous catheter insertion from the apprenticeship model to the simulation model.

'The Survival of Simulation: Teaching the Teacher'

For simulation to survive as a valid teaching methodology strategies for bringing educators up to standard are needed. In approaching this challenge we need to review the literature on credentialing and competency training and look at the place of high stakes testing in education. To contextualize this challenge I will also review simulation education history in relation to previous 'can't miss' educational or assessment methods that did not stand the test of time.



Professor Tracey Bucknall RN PhD

Deakin University & Head, Cabrini-Deakin Centre for Nursing Research,

Cabrini Health. Associate Editor, Worldviews on Evidence-Based Nursing

Currently Professor of Nursing at the School of Nursing, Deakin University & Head, Cabrini -Deakin Centre for Nursing Research, Cabrini Health. Prof Bucknall has held a variety of clinical, educational and research appointments in private and public hospitals, and in the tertiary sector. Her practice specialty was critical care for 13 years prior to focusing on research. As a decision scientist, she focuses on understanding how individuals make decisions routinely and in uncertainty, identifying the environmental and social influences upon decisions. She has successfully obtained research funding to study individual, team

and organizational interactions and decisions in healthcare. She has more than 80 publications with numerous national and international presentations on decision making in clinical practice. Prof Bucknall is also an Associate Editor for Worldviews on Evidence Based Nursing, ranked one of the top nursing journals internationally.

"Bridging the gap: From simulation to safe practice"

This presentation will review the contextual influences on decision making in clinical settings and then discuss the challenges in developing decision making tasks to promote adaptive and competent decision making in clinical practice.



KEYNOTE AND GUEST SPEAKERS continued



Dr Leanne Aitken

Professor of Critical Care Nursing Griffith University & Princess Alexandra Hospital

Leanne Aitken is the Chair in Critical Care Nursing at Griffith University and Princess Alexandra Hospital in Brisbane, Australia. This role incorporates conduct and implementation of a range of clinical research, as well as postgraduate teaching and supervision. Mentoring clinical staff through the conduct and implementation of research is also an important component of the role. Leanne's research focuses on trauma, decision making practices of critical care nurses and a range of clinical practice issues including sedation management within critical care.

Leanne is an Associate Editor of Australian Critical Care and a co-editor of ACCCN's Critical Care Nursing text. Leanne also peer reviews for multiple international journals as well as for NHMRC, Queensland Health and the Queensland Nursing Council and is a member of the Queensland Health Clinical Senate.

'Linking your decision scenario, decision outcomes and data collection method'

Determination of whether simulation is effective in improving clinical decision making requires measurement of the decision making process and/or outcomes. Methods available to measure decision making are diverse, but should be consistent with the theoretical framework underpinning your study, the decision scenario being examined and the expected decision outcomes.



Associate Professor Marcus Watson

Senior Director, Skills Development Centre Queensland Health

Marcus is a Cognitive Systems Engineer who has worked in defence and healthcare simulations. He has a BSc(Hons), Grad Dip CS and MSc from La Trobe University and a PhD from Swinburne University of Technology. He is the Senior Director of the Queensland Health Clinical Skills Development Service. He is also an Associate Professor of Medical Education in the School of Medicine and an Honorary Associate Professor in the School of Psychology at The University of Queensland.

Marcus' current research examines cognitive engineering, time-critical decision making, the representation of information in complex environments and simulations. Marcus is currently working in three main areas: (1) The use of simulations for the design and evaluation of clinical equipment and processes; (2) Verbal communication visualisation and content analysis tools for knowledge elicitation and learning. (3) The development of the Fundamentals of Colonoscopy training program. Marcus supervises PhD students working on simulator design, simulation education and collaboration in e-learning and video conferencing. He has received national awards for innovation and the Jerome Ely Award for the Best Paper in Human Factors for 2004.

'Can Teaching interprofessional communication and teamwork through simulation create efficient patient care and better use of resources?'

Research on complex industries, including healthcare shows that adverse outcomes are most often due to a combination of events rather than a single incident. In healthcare communications, failures are estimated to be involved in 70% of cases that lead to harm of patients. Improvements in safety depend on providing staff with insight into the vulnerabilities of the system and the ability to meet them. This presentation will focus on how healthcare teams can use simulations to develop more resilient and efficient systems, through the recreation of events in clinical settings. The use of simulations to manage the relocation of paediatric cardiac services from one hospital to another, will be used to illustrate how recreating events in immersive simulations can impact on clinical outcomes. The presentations will draw on other examples where simulations, training and communication process redesign have led to significant improvements in patient outcomes.



WORKSHOPS

Six workshops will be offered each day.

Delegates will be able to select a total of four workshops to attend over the two days.

The six workshops on offer are:

1. **Using video simulations to teach students to predict, prevent and manage patient (PPMP) deterioration and promote safe practice.**

This workshop will provide an opportunity to demonstrate and discuss how videoed simulations incorporating the PPMP model can be effectively used to teach students how to predict problems, prevent complications, manage symptoms, and promote health.

2. **Moulage workshop**
Ms Tracey Beacroft (Laerdal)

3. **A beginners guide to setting up a simulator.**
Presenter to be confirmed (Laerdal)

4. **Using simulation to teach interprofessional communication and teamwork**
Associate Professor Marcus Watson

5. **Debriefing - pitfalls and possibilities**
Dr John O Donnell

6. **Turning case studies into online clinical reasoning scenarios using a set of generic design principles**

In this workshop participants will be facilitated to develop a clinical reasoning scenario based upon one of their own case studies and using a set of tested educational design principles. A clinical reasoning model, developed as a component of a large funded project, will be used to structure the scenario.

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ACCOMMODATION

A limited number of rooms at the accommodation venues have been block booked for the days of the symposium and will be available on a first in basis. If you wish to extend your stay we will forward your request to the hotels who will advise you regarding availability. Please note that the room rates have been especially negotiated and may not be available outside of the symposium dates.

Mercure Resort Hunter Valley Gardens

Comprising of 72 guestrooms, the Mercure Resort Hunter Valley Gardens offers an indulgent selection of 4 1/2 star accommodation designed to allow our guests to enjoy the ambience of relaxed luxury.

Each room is beautifully appointed and opens out to a private balcony or courtyard, taking in the wonderful Valley views and magnificent gardens surrounding the property. Guests can avail themselves of our tennis courts, resort-style swimming pool, sauna, spa, the Lodge library and many other facilities including the Hunter Valley Gardens Village and the spectacular display gardens.

All rooms have reverse cycle air-conditioning, refrigerator, mini bar, tea and coffee making facilities, remote con-trolled television, in-house videos, iron and ironing board, hair dryer and international direct-dial telephones.

Single including Breakfast for one person – \$192 per room per night.

Double including Breakfast for two people – \$214 per room per night.



Leisure Inn Pokolbin Hill



Leisure Inn Pokolbin Hill is a picturesque retreat set on 25 acres of tranquility in the heart of the Hunter Valley Wine Country. With many cellar doors and attractions such as Hunter Valley Gardens within easy strolling distance, Leisure Inn Pokolbin Hill is the unbeatable location to base yourself.

Marvel at the truly stunning views over local vineyards and Brokenback Ridge – you might even enjoy a visit from the local native fauna and birdlife. This picturesque back-drop is the perfect setting for a relaxing and peaceful stay in the Hunter Valley.

The Leisure Inn is a short walk and directly across the road from the symposium venue. Please note that the Leisure Inn has a 14 day cancellation policy.

Studio Apartment – \$127 per room/per night (min two nights).

One Bedroom Apartment – \$164 per room/per night (min two nights).

Two Bedroom Apartment – \$269 per room/per night (min two nights)

Accommodation for both Hotels can be booked via the Online Registration Process.

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REGISTRATION

Online Registration is now open for the symposium. The delegate rates are:

Student	\$360
Day Registration – Thursday 25 November OR Friday 26 November	\$230
Early Bird Registration – up until 22 October	\$450
Full Registration – after 22 October	\$500

Social Events are OPTIONAL and NOT included in the registration fee.

Wine and Cheese Tasting – 1730 Wednesday 24 November **\$25**

McGuigan's Winery (*Next door to the Mercure Resort*)

Register early for the conference then enjoy a Wine and Cheese tasting class with McGuigan's Winery Winemakers and Hunter Cheeses Cheese makers.

BBQ by the Pool – 1900 Thursday 25 November **\$55**

Relax and unwind with a BBQ by the Pool from the award winning chefs of the Mercure Resort. Cash bar available.

Christmas Lights Spectacular in Hunter Valley Gardens **\$15 per adult.** To be paid at the HVG.

Transport to Venue

Jetstar and Virgin airlines offer direct flights from Melbourne and Brisbane into Newcastle's airport at Williamstown. Transfers from the airport are currently being arranged and the cost to be confirmed. Please select transfers on your online form and we will be in touch to confirm arrangements.

Budget car rental operates from Williamstown. To access a discounted rate program and make a reservation, simply call the free-call priority reservation service on **1800 111 102** and quote the number: **N004445**. Bookings can also be made via **www.budget.com.au**, by simply selecting the "Corporate Customers" tab on the home page, and then entering the number: **N004445**

Driving from Sydney

- Follow the F3 Freeway from Wahroonga towards Newcastle
- Turn LEFT off the freeway when you see signs for Cessnock (*Exit 82*) approximately 1¼ hours from the beginning of the F3, and follow the signs to Cessnock and the Vineyards
- On arrival in Cessnock, turn RIGHT at the traffic lights onto Vincent Street
- Continue on Vincent Street until you reach the traffic lights opposite the Cessnock Hotel, at these lights turn LEFT onto Wollombi Road and keep to the RIGHT
- Almost immediately there is another set of traffic lights, turn RIGHT at these into Wine Country Drive (*you should see a McDonalds on your RIGHT*)
- Follow the signs for Hunter Valley Gardens. Approximately 10 kms out of Cessnock, past Cessnock Airport and the Tourist Information Centre, turn LEFT onto Broke Road (*opposite De Bortoli Wines*)
- At the end of Broke Road you will come to a T intersection, turn LEFT and then immediately RIGHT.

Online Registration is Available by [Clicking Here](#)

If you experience any difficulty with online registration please contact the symposium Organizer: **NursingOne**

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LAERDAL: COMPANY BACKGROUND

While the Laerdal company was established in 1940, it was in 1960, with the introduction of the Resusci Anne manikin, that the company dedicated itself to advancing the cause of resuscitation and emergency care. Our founder, Åsmund S. Lærdal, chose the image of the Good Samaritan. It depicts the ancient tale of the traveller whose selfless compassion and care saved the life of a stranger. This is our emblem and inspiration.

Helping Save Lives

Today Laerdal Medical is dedicated to helping save lives with solutions that support the Chain of Survival and the Circle of Learning. The Good Samaritan logo symbolises our commitment to every health professional and volunteer.

Our extensive product range includes products for CPR Training, Advanced Life Support Training, Trauma Training, Patient Simulation, Spinal Motion Restriction, Airway Management, Monitoring, and Defibrillation.

Our diverse client base includes many Australian and New Zealand hospitals, educational institutions, ambulance services, volunteer and corporate organisations.

With company offices and distributors all over the world we are market leaders in many of the products we manufacture, especially in the fast growing area of Patient Simulation training.

MAKING SIMULATION EASIER

Our main goal when building the latest generation of simulators was to develop systems that are realistic and advanced yet at the same time ensuring they are easy

to operate. Our simulation solutions are created with the customer in mind balancing the most cutting-edge technology with simple set-up and easy-to-run scenario programs.

BUILT TO LAST

With 50 years of experience in medical educational products, Laerdal is a company you can trust. We pride ourselves on developing and building the highest-quality products and offering excellent services that are tailored to the needs of our customers. Whether you're looking for an advanced or basic simulator; scenarios developed specifically for turn-key implementation, or educational and technical services, Laerdal can provide exactly what you need.



HELPING YOU SUCCEED

Laerdal is dedicated to helping you meet and exceed your educational goals. From simulators and scenarios to installation and training, our products and services are designed to help you achieve the optimal training environment with the most realistic outcome possible.

With this in mind we are current suppliers to many educational and training facilities around Australia who have experience with our range of simulation products from the basic Resusci Anne Simulator; to the Intermediate ALS Simulator and SimNewB, to the more advanced Patient Simulators such as SimMan, SimBaby and now SimMan 3G.

