

Curriculum Vitae

Thomas E Bachman

Personal Data:

Family name: Bachman
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Date of birth: March 8, 1947
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Education and Professional Studies:

Degree: MSc Healthcare Administration, University of Colorado at Denver; 1997. Emphasis: healthcare economics, comparative health systems.

Degree: BSc Engineering, University of California at Los Angeles; 1969. Emphasis: biomedical engineering.

Selected Certifications: Community Needs Assessment Trainer, UCLA Health Policy Center, 2008; Internal Organization Assessor, Baldrige Organizational Excellence Program 2006

Teaching Experience

2002 – 2008: California State University, San Bernardino, School of Business and Public Administration: Instructor. upper division and graduate courses taught included, Principles of Marketing, Marketing Management, Marketing Planning, Sales Management, Import-Export Marketing and Global Marketing.

Consultancy (current):

CareFusion: strategic and tactical market development support with emphasis on clinical research
Polish Neonatal Society: scientific advisor to the Noninvasive Respiratory Study Group

Other Professional Experience:

Market development including analysis (assessment of scientific evidence, medical economics and clinical awareness) as well as development and implementation of educational programs (seminars, monographs, publications, conferences).

Clinical research support associated with 5 multicenter randomized outcomes trials, 7 multicenter retrospective reviews and 5 multicenter system validations, included: developing clinical protocols, site recruitment, monitoring clinical results, DSMB, biostatistical analysis, editing/focusing publication manuscripts and regulatory coordination.

Community hospital leadership including community needs/awareness assessments, grants and donations to support community out-reach programs, telemedicine program, technology improvements and facilities.

Publications (peer reviewed)

Automated FiO₂-SpO₂ control system in neonates requiring respiratory support: a comparison of a standard to a narrow SpO₂ control range. Wilinska M, **Bachman T**, Swietlinski J, Kostro M, Twardoch-Drozd M. BMC Pediatr. 2014 May 28;14:130.

Impact of the shift to neonatal noninvasive ventilation in Poland: a population study. Wilinska M, **Bachman T**, Swietlinski J, Gajewska E, Meller J, Helwich E, Kornacka M, Szczapa J, Lauterbach R, Wilinski G, Zachara MR. Pediatr Crit Care Med. 2014 Feb;15(2):155-61.

Pneumothorax in neonates during respiratory support; incidence, timing and association with invasive ventilation. Wilinska M, **Bachman T**, Swietlinski J, Wilinski G. J Pediatr Sc.2014;e208.

A multicenter randomized controlled trial comparing effectiveness of two nasal continuous positive airway pressure devices in very-low-birth-weight infants. Bober K, Świetliński J, Zejda J, Kornacka K, Pawlik D, Behrendt J, Gajewska E, Czyżewska M, Korbal P, Witalis J, Walas W, Wilińska M, Turzańska A, Zieliński G, Czeszyńska B, **Bachman T**. Pediatr Crit Care Med. 2012 Mar;13(2):191-6.

Multicenter crossover study of automated control of inspired oxygen in ventilated preterm infants. Claire N, Bancalari E, D'Ugard C, Nelin L, Stein M, Ramanathan R, Hernandez R, Donn SM, Becker M, **Bachman T**. Pediatrics. 2011 Jan;127(1):76-83.

Factors affecting outcomes in very low birth weight infants treated electively with nasal continuous positive airway pressure. Swietlinski J, **Bachman T**, Gajewska E, Bober K, Helwich E, Lauterbach R, Maruszewski B, Szczapa J, Skrzypek M; Polish Noninvasive Respiratory Study Group. J Perinatol. 2010 Feb;30(2):112-7.

Factors effecting adoption of new neonatal and pediatric respiratory technologies. **Bachman TE**, Marks NE, Rimensberger PC. Intensive Care Med. 2008 Jan;34(1):174-8.

High-frequency oscillatory ventilation in adults: the Toronto experience. Mehta S, Granton J, MacDonald RJ, Bowman D, Matte-Martyn A, **Bachman T**, Smith T, Stewart TE. Chest. 2004 Aug;126(2):518-27.

Intraventricular hemorrhage and high-frequency ventilation: a meta-analysis of prospective clinical trials. Clark RH, Dykes FD, **Bachman TE**, Ashurst JT. Pediatrics. 1996 Dec;98(6 Pt 1):1058-61.

Selected Papers and Invited Lectures:

It is too early to declare early or late rescue high-frequency oscillatory ventilation dead. Rimensberger PC, **Bachman TE**. JAMA Pediatr. 2014 Sep;168(9):862-3. (letter)

Latest evidence on SpO₂ targeting in preterm infants. presentation at Polish National Neonatal Conference. Poznan 2014.

Time required for effective FiO₂ titration in preterm infants; a comparison. Wilinska M, **Bachman T**, Swietlinski J. Respiratory Therapy. 2012 Oct-Nov;7(5):69-71.

Report on the application of continuous and biphasic noninvasive ventilation in 11,330 neonates: indications and outcomes. Skrzypek M, **Bachman T**, Swietlinski J. Respiratory Therapy. 2012 Oct-Nov;7(5):65-8.

Targeting oxygen saturation in extremely premature infants: current thinking. **Bachman T**. Standardy Medycine-Pediatrica 2011 T.8(1):30-6.

Improving intra-hospital transport of ventilated patients: a proposed quality improvement project. **Bachman T**. Respiratory Therapy. 2010 Dec-Jan. 5(6):23-4

Noise in the NICU: still asking questions. **Bachman T**. Neonatal Intensive Care, 2006 Jan-Feb;19(1)21-3.

Trends in expected outcomes in preterm infants treated with the 3100A HFOV: an updated meta Analysis. **Bachman T**, Ashurst J. Respiratory Therapy, 2006 Oct-Nov 1(6)39:44.

Nasal CPAP for the Preterm Infant: Recent technical advances. **Bachman T**. Neonatal Intensive Care, 2002 Jan-Feb;1(6)39-44.

Improved Pulmonary outcomes with HFOV: a Meta-Analysis of the 3100A Trials, Null D, **Bachman T**, Ashurst J. Neonatal Intensive Care. 2002 Oct; 15(6):10-4

Assessment of the relative Benefit of HFOV in Preterm Infants of Differing Severity and Maturity: A Logistical Regression Meta-Analysis, presented at 4th European Conference on Pediatric Ventilation, Ovifat Belgium, October 2001

Evidence Based Medicine: nCPAP in Weaning preterm Infants from Ventilators. Bachman T. Neonatal Intensive Care, 2000 July-Aug;13(4):15-9.

Evaluation of extended mechanical ventilation as a new neonatal outcome measure. presented at 16th Snowbird Conference of HFV, April 1999.

Outcome Measures in Neonatology. **Bachman T**. Neonatal Intensive Care. 1997 Mar-Apr; 10(2):16-21.

HFV: applied technology, saving both lives and costs. **Bachman T**, Lassen G. Neonatal Intensive Care. 1993 Sep-Oct; 6(5):34-8.