

**RESEARCH ACTIVITIES
AND PUBLICATIONS**

DR. KHALID M. AL-FALEH

Research Activities and Publication

Areas of interest

Systematic Reviews & randomized trials in Neonatal Perinatal Medicine
Methodology of published papers in Neonatal Perinatal Medicine and Pediatrics
Patent Ductus Arteriosus and the use of indomethacin prophylaxis in ELBW infants
Probiotics in the preterm

Research Funding

Principle investigator: Remifentanyl and Atropine for Intubation in Neonates (RAIN Trial); a double blind RCT, funded by Abbott Labs, Canada (15000\$)

Projects in Progress

1. Remifentanyl and Atropine for Intubation in Neonates (RAIN Trial); a double blind RCT
2. Reporting Quality of Published randomized Controlled Trials In Pediatrics Journals
3. Fluid restriction and indomethacin prophylaxis versus indomethacin prophylaxis alone for prevention of mortality and morbidity in ELBW infants.
4. Development of decision aid for considering indomethacin prophylaxis vs. symptomatic treatment of PDA for extreme low birth weight infants
5. Success rate and neonatal morbidities of early extubation in extremely low birth weight infants at a neonatal intensive care unit
6. Effect of Delayed Cord Clamping on Superior Vena Cava Flow in ELBW Infants

Publications

Peer reviewed- Journal Articles

1. **AlFaleh K, Thabane L.** Erythropoietin to prevent transfusions in premature infants, *J Perinatol.* 2005 Aug; 25(8):560
2. **AlFaleh K, Bajammal S.** Enhancing biomedical research in Saudi Arabia, *Saudi Med J.* 2005 May; 26(5):897
3. **AlFaleh K, Bassler D.** Probiotics for prevention of mortality and morbidity in preterm infants. (Protocol) *The Cochrane Database of Systematic Reviews* 2005, Issue 4. Art. No.: CD005496. DOI: 10.1002/14651858.CD005496.
4. **AlFaleh K, Lee K, Ramsay J, Nowaczyk M.** Genetic consideration in recurrent congenital diaphragmatic hernia in two siblings, *Ann Saudi Med.* 2006 Sep-Oct; 26(5):391-4
5. **Mosalli R, AlFaleh K.** Prophylactic surgical ligation of patent ductus arteriosus for prevention of mortality and morbidity in extremely low birth weight infants. (Protocol) *Cochrane Database of Systematic Reviews* 2006, Issue 4. Art. No.: CD006181. DOI: 10.1002/14651858.CD006181.
6. **AlFaleh K, Bassler D.** Probiotics for prevention of necrotizing enterocolitis in preterm infants. *Cochrane Database of Systematic Reviews*, 2008, Issue 1. Art. No.: CD005496. DOI: 10.1002/14651858.CD005496.pub2

7. *Mosalli R, AlFaleh K. Prophylactic surgical ligation of patent ductus arteriosus for prevention of mortality and morbidity in extremely low birth weight infants. Cochrane Database of Systematic Reviews 2008, Issue 1. Art. No.: CD006181. DOI: 10.1002/14651858.CD006181.pub2.*
8. *Al-Faleh K, Smyth JA, Roberts RA, Solimano A, Asztalos EV, Schmidt B, et al. Prevention and 18-Month Outcome of Serious Pulmonary Hemorrhage in Extremely-Low-Birth-Weight (ELBW) Infants: Results from the Trial of Indomethacin Prophylaxis in Preterms. Pediatrics. 2008 Feb;121(2):e233-8*

Peer reviewed- Accepted for publication

Peer reviewed- Submitted or ready for submission for publication

1. *AlFaleh K, AlOmran M, Methodologic and reporting Quality of Published Cochrane Neonatal Review Group Systematic Reviews. Society of Pediatric Research, Toronto 2007. Submitted to Acta Paediatrica*
2. *AlFaleh K, Anabrees J, Bassler D. Probiotics Reduce Necrotizing Enterocolitis in preterm infants: A meta-analysis. Submitted to Archives of Disease in Childhood.*

Abstract published (international meetings)

1. *Al-Faleh K, Smyth JA, Roberts RA, Solimano A, Asztalos EV, Schmidt B, et al. Prevention and 18-Month Outcome of Serious Pulmonary Hemorrhage in Extremely-Low-Birth-Weight (ELBW) Infants: Results from the Trial of Indomethacin Prophylaxis in Preterms (TIPP). Society of Pediatric Research San Francisco 2004
Canadian Pediatric Society 2004
Mid-Atlantic conference 2004
Japanese Pediatrics Society 2005*
2. *AlFaleh K, Bassler D. Probiotics for prevention of mortality and morbidity in preterm infants. Society of Pediatric Research, Hot topics, Washington DC 2005
Society of Pediatrics Research San Francisco 2006*
3. *AlFaleh K, AlOmran M, Methodologic and reporting Quality of Published Cochrane Neonatal Review Group Systematic Reviews. Society of Pediatric Research, Toronto 2007.*
4. *Liew K, Paes B, AlFaleh K. Success Rate and Neonatal Morbidities of Early Extubation in Extremely Low Birth Weight Infants in a Neonatal Intensive Care Unit (Abstract #: 751737) Society of pediatrics Research, Honolulu 2008*

Oral Presentations (international meetings & Symposia)

1. *Prevention and 18-Month Outcome of Serious Pulmonary Hemorrhage in Extremely-Low-Birth-Weight (ELBW) Infants: Results from the Trial of Indomethacin Prophylaxis in Preterms (TIPP)*

Canadian Pediatrics Society, 2004

Japanese Pediatrics Society, 2006

2. *Indomethacin Prophylaxis Revisited, Second International Cardio-respiratory Symposium, Doha, Qatar, March 7th, 2008*

Oral Presentations (National meetings & Symposia)

1. *Evaluating the report of a systematic review, Toward evidence based surgery, Riyadh, Saudi Arabia, Jan 18, 2007*
2. *Searching the medical literature, 2nd GCC evidence based clinical practice (EBCP), Riyadh, Saudi Arabia. March 17, 2007.*
3. *Meta-analysis in Neonatology, the seventh international neonatal symposia, Riyadh, Saudi Arabia. April 16, 2007*
4. *Indomethacin prophylaxis revisited, the seventh international neonatal symposia, Riyadh, Saudi Arabia. April 16, 2007.*
5. *Evaluating systematic review articles, 5th Evidence Based Medicine Practice Workshop, Madina EBM working group, Madina Saudi Arabia, May 2007.*
6. *Appraising the meta-analysis article, toward evidence based practice “how about we speak one language”, King Fahad medical city, Riyadh, Saudi Arabia, June 2007 .*
7. *Economic analysis in medical literature, 3rd GCC EBCP workshop, Riyadh, December 1-5, 2007.*

Other research related activities

- Prevalence of obesity in Saudi Arabia (Designed questionnaires, collected and analyzed data) King Saud University, Riyadh, Saudi Arabia
- Seven courses in Health Research Methodology Master Program:
 - Principles of research methodology
 - Randomized controlled trials
 - Observational studies
 - Introduction to biostatistics
 - Economic evaluation of health care programs
 - Systematic reviews
 - Advanced randomized trials statistics

Research experience

- Special experience in designing, planning and conducting randomized controlled trials and Cochrane systematic reviews.

Quality Assurance projects

October 2003

Early Parenteral Protein intake in VLBW Guideline, McMaster University, Neonatal Intensive Care

Jan 2004

Premedication Prior to Neonatal Intubations Guideline, McMaster University, Neonatal Intensive Care

March 2008

Average admission temperature of ELBW infants and the development of evidence based approach to maintain normal temperature, King Saud University, KKHU, Neonatal intensive care unit