

PUBLICATIONS

PEER REVIEW JOURNALS

1. McEvoy C, Sardesai S, Macri C, Paul R, Durand M: Neonatal pulmonary mechanics and oxygenation following prophylactic amnioinfusion in labor: A randomized clinical trial. *Pediatrics* 95:688-692, 1995.
2. Durand M, Sardesai S, McEvoy C: Effects of early dexamethasone therapy on pulmonary mechanics and chronic lung disease in very low birth weight infants: A randomized, controlled trial. *Pediatrics* 95:584-590, 1995.
3. Sardesai S, Durand M, McEvoy C, Johnson C, Maarek J-M: Pulse oximetry in newborn infants with birth weights of 620 to 4285 grams receiving dopamine and dobutamine. *J. Perinatol* 16:31-34, 1996.
4. McEvoy C, Mendoza ME, Bowling J, Hewlett V, Sardesai S, Durand M: Prone positioning decreases episodes of hypoxemia in extremely low birth weight infants (≤ 1000 gm) with chronic lung disease. *J Pediatr* 130:305-309, 1997.
5. Kinsella JP, Truog WE, Walsh WF, Goldberg RN, Bancalari E, Mayock D, Redding GJ, deLemos RA, Sardesai S, McCurnin D, Moreland SG, Cutter GR, Abman SH, : Randomized, multicenter trial of inhaled nitric oxide and high-frequency oscillatory ventilation In severe, persistent pulmonary hypertension of the newborn. *Journal of Pediatrics*. 131(1): 55-62, July 1997.
6. Kinsella JP, Walsh WF, Bose CL, Gerstmann DR, Labella JJ, Sardesai S, Walsh-Sukys MC, McCaffrey MJ, Cornfield DN, Bhutani VK, CutterGR, Baier M, Abman SH: Inhaled nitric oxide in premature neonates with severe hypoxemic respiratory failure: a randomized controlled trial. *Lancet*. 354 (9184):1061-1065, September 1999.
7. Ramanathan R, Sardesai S: High frequency ventilation: Basic concepts and clinical application. *Indian J of Pediatrics*, 67(1):3-8, 2000.
8. Kjos SL, Schaefer-Grat U, Sardesai S, Peters RK, Buley A, Xiang AH, Bryne JD, Sutherland C, Montoro MN, buchanan TA: Randomized controlled trial using glycemic plus fetal ultrasound parameters versus glycemic parameters to determine insulin therapy in gestational diabetes with fasting hyperglycemia. *DiabetesCare*, 24(11):1904-1910, November 2001.

REVIEW ARTICLES:

1. "Herpes Simplex Encephalitis", *American Family Physician*, Vol 37, No. 2, pp 184-188, 1988. Eknath Deo, M.D., Smeeta Sardesai, M.D.
2. "Dexamethasone therapy in chronic lung disease", *Indian Journal of Pediatrics* Vol 63, No. 2, pp 61-64, 1996. Smeeta Sardesai, M.D., Manuel Durand, M.D.

3. Effects of early dexamethasone therapy on pulmonary mechanics and chronic lung disease in very low birth weight infants: A randomized, controlled trial. Year Book of Neonatal-Perinatal Medicine. Eds. M.H Klaus and A.A. Fanaroff: 305-307, 1996. Durand M, M.D., Sardesai S, M.D, McEvoy C, M.D.
4. Prone positioning decreases episodes of hypoxemia in extremely low birth weight infants (≤ 1000 gm) with chronic lung disease. Year Book of Pediatrics, 345-347, 1998. James A. Stockman, III, M.D. McEvoy C, M.D., Mendoza ME, M.D., Bowling J, Hewlett V, Sardesai S, M.D., Durand M, M.D.
5. high frequency ventilation: Basic concepts and clinical application. Indian Journal of Pediatrics Vol 67, No. 1, pp 3-8, 2000. Ramanathan R, M.D., Smeeta Sardesai, M.D.

ABSTRACTS AND PRESENTATIONS*

1. Durand M, McEvoy C, Sardesai S, MacDonald K: Effects of muscle relaxants on pulmonary mechanics in intubated preterm infants. Clin Res 39:85A,1991. Presented at the Annual Meeting of the Western Society for Pediatric Research, February, 1991.
2. Durand M, Sardesai S, McEvoy C: Pulmonary function in relation to early dexamethasone treatment in very low birth weight (VLBW) intubated infants. Clin Res 39:10A,1991. Presented at the Annual Meeting of the Western Society for Pediatric Research, February, 1991.
3. McEvoy C, Durand M, Sardesai S, Sullivan KJ: Variability of measurements of respiratory mechanics in sick intubated neonates. Pediatr Res 29:325A, 1991.
4. Durand M, Sullivan KJ, McEvoy C, Sardesai S, Chang HK: Serial measurements of pulmonary function in intubated neonates with pulsed flow perturbations. Pediatr Res 29:315A, 1991. Presented at the Annual Meeting of the American Pediatric Society/The Society for Pediatric Research, May, 1991.
5. Sardesai S, McEvoy C, Alvarado M, Durand M: Sequential respiratory mechanics in term intubated neonates on muscle relaxants. Pediatr Res 29:65A, 1991.
6. Durand M, McEvoy C, Sardesai S, MacDonald K: Effects of muscle relaxants on pulmonary mechanics in intubated preterm infants. Am Rev Respir Dis 143:A722, 1991. Presented at the Annual Meeting of the American Lung Association/American Thoracic Society, May, 1991.
7. Sullivan KJ, Durand M, McEvoy C, Sardesai S, Chang HK: Forced perturbations may be used to assess the response to bronchodilator in sick, intubated infants. Am Rev Respir Dis 143:A21, 1991. Presented at the Annual Meeting of the American Lung Association/American Thoracic Society, May, 1991.
8. Durand M, Sardesai S, McEvoy C: Pulmonary function in relation to early dexamethasone treatment in very low birth weight (VLBW) intubated infants. Presented at the European Society for Pediatric Research Meeting, Zurich, Switzerland, September 1991.
9. Sardesai S, McEvoy C, Alvarado M, Durand M: Sequential respiratory mechanics in term intubated neonates on muscle relaxants. Clin Res 40:109A, 1992. Presented at the annual meeting of the Western Society for Pediatric Research, February 1992.

10. McEvoy C, Hewlett V, Sardesai S, Mendoza E., Durand M: Prone positioning decreases episodes of desaturation in infants with chronic lung disease. Clin Res 40:84A, February 1992. Presented at the annual meeting of the Western Society for Pediatric Research, February 1992.
11. Sardesai S, McEvoy C, Durand M: Effects of early dexamethasone therapy on pulmonary mechanics in preterm infants: A randomized trial. Pediatr Res 31:221A, 1992. Presented at the annual meeting of the Society for Pediatric Research, May 1992.
12. McEvoy C, Hewlett V, Alvarado M, Sardesai S, Durand M: Quantification of oxygen saturation (SaO₂) in infants with chronic lung disease discharged on oxygen. Pediatr Res 31:255A, 1992.
13. McEvoy C, Hewlett V, Sardesai S, Mendoza E, Durand M: Prone positioning decreases episodes of desaturation in infants with chronic lung disease. Pediatr Res 31:211A, 1992. Presented at the annual meeting of the Society for Pediatric Research, May 1992.
14. McEvoy C, Durand M, Sardesai S, Sullivan KJ: Variability in the respiratory compliance and resistance of sick intubated neonates. Am Rev Respir Dis 145:A339, 1992. Presented at the annual meeting of the American Lung Association/American Thoracic Society, May 1992.
15. McEvoy C, Sardesai S, Macri C, Paul R, Durand M: Neonatal pulmonary mechanics and oxygenation following amnioinfusion in labor: A randomized clinical trial. Am Rev Respir Dis 145:A340, 1992. Presented at the Western Society for Pediatric Research Meeting, February 1992 and at the American Lung Association/American Thoracic Society Meeting, May 1992.
16. Sullivan KJ, Durand M, McEvoy C, Sardesai S, Chang HK: Influence of inflation volume and age on respiratory compliance and conductance in preterm intubated infants. Clin Res 41:95A, 1993. Presented at the annual meeting of the Western Society for Pediatric Research, February, 1993.
17. Durand M, Sullivan KJ, McEvoy C, Sardesai S, Chang HK: Influence of inflation volume and age on respiratory compliance and conductance in preterm intubated infants. Am Rev Respir Dis 147:A220, April 1993. Presented at the annual meeting of the American Lung Association-American Thoracic Society, May 1993.
18. Ramanathan R. Siassi B, Sardesai S, deLemos, R: Comparison of two regimens of erythropoietin (EPO) in anemia of prematurity. Pediatr Res 33:1691, 1993.
19. Sardesai S, Macri CJ, Mendoza E, Paul RH, Durand M: Intrapartum factors and amnioinfusion in neonates at risk for meconium aspiration syndrome. Clin Res 41:114A, 1993.
20. Durand M, Sardesai S, McEvoy C: Early dexamethasone therapy decreases chronic lung disease (CLD) in very low birth weight infants. Pediatr Res 33:210A, 1993. Presented at the annual meeting of the Society for Pediatric Research, May 1993.
21. Ramanathan R. Siassi B, Sardesai S, deLemos, R: Comparison of two dosage regimens of dexamethasone for early treatment of chronic lung disease in very low birth weight (VLBW) infants. Pediatr Res 35:1484, 1994.
22. Ramanathan R. Bahr C, Siassi B, Sardesai S, deLemos, R: Trends in the developmental status of surfactant treated very low birth weight (VLBW) infants followed in a high risk follow up clinic. Pediatr Res 35: 1483, 1994.

23. Ramanathan R, Siassi B, Sardesai S, deLemos, R: Comparison of two dosage regimens of dexamethasone for early treatment of chronic lung disease in very low birth weight (VLBW) infants. Clin Res 42:34A, 1994.
24. Ramanathan R, Bahr C, Siassi B, Sardesai S, deLemos, R: Performance of preterm and term infants with in-utero cocaine exposure on the Bayley Scales of Infant Development (BSID) at one year of age. J. Investigative Med 43: 190, 1995.
25. Siassi B, Ramanathan R, Sardesai S, deLemos, R: The effect of antenatal glucocorticoids (AG) on the incidence of hemodynamically significant patent ductus arteriosus (PDA) requiring medical or surgical treatment in very low birth weight (VLBW) infants. J. Investigative Med 43:115, 1995.
26. McEvoy C, Mendoza E, Hewlett V, Sardesai S, Durand M: Prone positioning decreases episodes of hypoxemia in very low birth weight infants (<1000g) with chronic lung disease. Pediatr Res 37:224A, April 1995. Presented at the annual meeting of the Society for Pediatric Research, May 1995.
27. Ramanathan R, Bahr C, Siassi B, Sardesai S, deLemos, R: Performance of preterm and term infants with in-utero cocaine exposure on the Bayley Scales of Infant Development (BSID) at one year of age. Pediatr Res 37:1605, 1995.
28. Siassi B, Ramanathan R, Sardesai S, deLemos, R: The effect of antenatal glucocorticoids (AG) on the incidence of hemodynamically significant patent ductus arteriosus (PDA) requiring medical or surgical treatment in very low birth weight (VLBW) infants. Pediatric Res, 37:35, 1995.
29. Ramanathan R, Siassi B, Sardesai S, deLemos R: Dexamethasone versus Hydrocortisone for hypotension refractory to high dose inotropic agents and incidence of candida infection in extremely low birth weight infants. Pediatr Res 39:1425, 1996.
30. Kinsella J, Truog W, Walsh W, Goldberg R, Bancalari E, Clark R, Mayock D, Redding G, deLemos R, Sardesai S, McCurnin D, Yoder B, Moreland S, Cutter G, Abman S: Randomized multicenter trial of inhaled nitric oxide and high frequency oscillatory ventilation in severe persistent pulmonary hypertension of the newborn (PPHN). Pediatr Res 39:222A, 1996. Presented at the annual meeting of the society for Pediatric Research, May 1996.
31. Acherman R, Siassi B, Castillo W, Pratti G, Sardesai S, Ebrahimi M, Buchanan T, Kjos S, Ramanathan R: Cardiomyopathy in infants of A2 diabetic mothers: An echocardiographic study. Pediatr Res 39:111, 1996.
32. Acherman R, Siassi B, Castillo W, Pratti G, Sardesai S, Ebrahimi M, Buchanan T, Kjos S, Ramanathan R: Cardiomyopathy in infants of diabetic mothers, an echocardiographic study. Journal of Investigative Medicine, 44:144A 1996. Presented at the WSPR Meeting, Carmel, California, 1996.
33. Ramanathan R, Siassi B, Sardesai S, deLemos R: Low Dose dexamethasone for hypotension refractory to high dose inotropic agents in extremely low birth weight infants. J. Investigative Med 44: 146A, 1996.
34. Acherman R, Siassi B, DeVore G, Sardesai S, Ebrahimi M, Ramanathan R: Aneurysm of the

- ductus arteriosus: A congenital lesion. *J Investigative Med* 44: 183A, 1996. Presented at the WSPR Meetings, Carmel, California, 1996.
35. Kinsella, John P., Truog, William E., Walsh, William F., Goldberg, Ronald N., Bancalari, Eduardo, Clark, Reese H., Mayock, Dennis E., Redding, Gregory J., deLemos, Robert A., Sardesai, Smeeta, McCurnin, Donald C., Yoder, Bradley A., Moreland, Susan G., Cutter, Gary R., Abman, Steven H.. Randomized, multicenter trial of inhaled nitric oxide and high frequency oscillatory ventilation in severe persistent pulmonary hypertension of the newborn (PPHN). *Pediatric Res.* 39(4) Supplement 2:222A, 1996.
 36. Acherman R, Siassi B, DeVore G, Sardesai S, Ebrahimi M, Ramanathan R: Aneurysm of the ductus arteriosus: A congenital lesion. *Pediatric Res* 39:111, 1996.
 37. Ramanathan, R, Siassi, B, Acherman, J, Sardesai, S, deLemos, R.: Echocardiographic evaluation and management of patent ductus arteriosus (PDA) in ELBW infants (<1000 g) in the surfactant era. *J. Investigative Medicine* 45:137A, 1997.
 38. Acherman R, Siassi B, Madrid G, Castillo W, Ebrahimi M, Amani R., Kamat P., Sardesai S., Ramanathan R, deLemos R: Color flow detection of aortopulmonary collaterals in premature infants: A prospective study. *J. Investigative Medicine* 45(1) 138A, February 1997. Presented at the WSPR Meeting, Carmel, California 1997.
 39. Ramanathan, R, Siassi, B, Acherman, J, Sardesai, S, deLemos, R.: Echocardiographic evaluation and management of patent ductus arteriosus (PDA) in ELBW infants (<1000 g) in the surfactant era. *Pediatric Res* 41:131, 1997.
 40. Sardesai S, Posen R, Kjos S, deLemos, R: Growth parameters in infants born to mothers with moderate gestational diabetes mellitus (GDM) treated with insulin based on fetal abdominal circumference early in the third trimester. *J. Investigative Medicine* 45(1) 167A, February 1997. Presented at the WSPR Meeting Carmel, California 1997.
 41. Sardesai S, Posen R, Kjos S, deLemos R: Growth parameters in infants born to mothers with moderate gestational diabetes mellitus (GDM) treated with insulin based on fetal abdominal circumference early in the third trimester. *Pediatric Research* 41 (4) Part 2, 175A, April 1997. Presented at the American Pediatric Society/Society for Pediatric Research, May 1997.
 42. Ramanathan R, Siassi B, Sardesai S, deLemos R: Calcium supplementation in extremely low birth weight (ELBW) infants with osteopenia of prematurity and elevated alkaline phosphatase levels: A preliminary report. *J of Investigative Medicine* 46(1), 168A, January 1998.
 43. Ramanathan R, Siassi B, Sardesai S, deLemos R: Calcium supplementation in extremely low birth weight (ELBW) infants with osteopenia of prematurity and elevated alkaline phosphatase levels: A preliminary report. *Pediatric Research*, 43(4):104A, May 1-5, 1998.
 - *44. Ramanathan R, Siassi B, Sardesai S, Ebrahimi M, Acherman R: Is there a link between the development of systemic to pulmonary collaterals and stage 3 or greater retinopathy of prematurity in very low birth weight infants? A prospective evaluation. *Pediatric Research*, 45:220 A, 1999. Presented at the APS-SPR meeting, San Francisco, May 1999.

45. Acherman RJ, Siassi B, Adie AM, Pratti-Madrid G, Ebrahimi M, Sardesai S, Ramanathan R: Etiology of pericardial effusion in newborn infants admitted to neonatal intensive care unit. *Pediatric Research* 47(4):382A, May 2000.
46. Acherman RJ, Siassi B, Adie MA, Pratti-Madrid G, Ebrahimi M, Sardesai S, Ramanathan R: Electrocardiogram in the otherwise healthy neonate with heart murmur: Helpful or misleading? *Pediatric Research* 47(4):382A, May 2000.
47. Acherman RJ, Siassi B, Ebrahimi M, Adie MA, Pratti-Madrid G, Sardesai S, Luna CF, Ramanathan R: Emergent echo-guided balloon atrial septostomy (BAS) in the neonate using The Fogarty Arterial Embolectomy Catheter (FAE). *Pediatric Research* 47(4):382A, May 2000.
48. Ramanathan R, Siassi B, Sardesai S: Current incidence of > stage III retinopathy of prematurity and need for retinal surgery for retinopathy of prematurity in very low birth weight infants, 1993-1998. *Pediatric Research* 47(4):428A, May 2000. Presented at the American Pediatric Society/Society for Pediatric Research, May 2000.
49. Ramanathan R, Siassi B, Sardesai S, Acherman R: Antenatal steroid exposure and response to postnatal Indomethacin treatment of patent ductus arteriosus in very low birth weight infants. *Pediatric Research* 47(4):428A, May 2000. Presented at the American Pediatric Society/Society for Pediatric Research, May 2000.
50. Ramanathan R, Siassi B, Sardesai S, Acherman R: Low dose indomethacin for the treatment of patent ductus arteriosus in very low birth weight infants: Prospective observational study over a six year period. *Pediatric Research* 47(4):428A, May 2000. Presented at the American Pediatric Society/Society for Pediatric Research, May 2000.
51. Sardesai S, Aulakh P, McCormic J, Hodmgan J: Apgar score as a prognostic indicator in extremely low birth weight infants (ELBW). *J of Investigative Medicine* 49(1), 14A, January 2001.
52. Rao S, Sardesai S, Storm MC, Youseff M, Wu PYK: Combined parenteral and enteral glutamine supplementation for very low birthweight infants. *J of Investigative Medicine* 49(1), 54A, January 2001.
53. Ramanathan R, Noori S, Sardesai S, Siassi B: Low dose erythromycin in the management of intestinal dysmotility in very low birth weight (VLBW) infants: A preliminary report. *J of Investigative Medicine* 49(1), 91A, January 2001.
54. Acherman R, Joher S, Sardesai S, Siassi B, Ebrahimi M, Ramanathan R: Incidence of neonatal thrombosis: A prospective observational study over an eight year period. *J of Investigative Medicine* 49(1), 91A, January 2001. Presented at the Western Society for Pediatric Research, February, 2001.
55. Acherman J, Siassi B, Ebrahimi M, Adie MA, Pratti-Madrid G, Sardesai S, Luna CF,

- Ramanathan R: Emergent echo-guided balloon atrial septostomy (BAS) in the neonate using Fogarty Arterial Embolectomy Catheter (FAE). *J of Investigative Medicine* 49(1), 91A, January 2001. Presented at the Western Society for Pediatric Research.
56. Acherman R, Joher S, Sardesai S, Siassi B, Ebrahimi M, Ramanathan R: Incidence of neonatal thrombosis: A prospective observational study over an eight-year period. *Pediatric Research* 49(4), 322A, April 2001. Presented at the American Pediatric Society/Society for Pediatric Research, April 2001.
 57. Streeter KJ, Sardesai S, Adie MAA, Kudchadker N, Pratti-Madrid G, Ebrahimi M, Luna CF, Siassi B, Ramanathan R, Acherman RJ: Myocardial performance index corrected for heart rate in infants of diabetic mothers: Comparison with a group of normal newborn infants. *Pediatric Research* 49(4), 376A, April 2001. Presented at the American Pediatric Society/Society for Pediatric Research, April 2001.
 58. Aulakh PK, Noori S, Siassi S, Sardesai S, Ramanathan R: Moderately early, low dose dexamethasone treatment for bronchopulmonary dysplasia and neurodevelopmental outcome at 1 year of age. *Pediatric Research* 49(4), 392A, April 2001.
 59. Noori S, Ramanathan R, Sardesai S, Siassi B: Low dose erythromycin in the management of intestinal dysmotility in very low birth weight (VLBW) infants. *Pediatric Research* 49(4), 408A, April 2001.
 60. Rao S, Sardesai S, Storm MC, Youseff M, Durand M, Wu PYK: Combined parenteral and enteral L-glutamine supplementation for very low birthweight infants. *Pediatric Research* 49(4), 411A, April 2001.
 61. Sardesai S, Aulakh P, McConica J, Hodgman J: Apgar Scores as a prognostic indicator in extremely low birth weight infants (ELBW). *Pediatric Research* 49(4), 412A, April 2001.
 62. Aulakh PK, Malik P, Siassi B, Sardesai S, Ramanathan R: Erythropoietin treatment and > stage III retinopathy of prematurity in very low birth weight (VLBW) infants. *Pediatr Res* 51:A2135, 2002
 63. Noori S, Siassi B, Acherman RA, Sardesai S, Ramanathan R: Cardiovascular responses to very low doses of dexamethasone in very low birth weight (VLBW) infants with refractory hypotension. *Pediatr Res* 51:A2242, 2002.
 64. Sardesai S: Teaching Communication Skills to House Staff. *Innovations in Medical Education*, May 2004.