

## ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Padbury JF, Hobel CJ, Diakomanolis ES, Lam RW and Fisher DA: Ontogenesis of beta-adrenergic receptors in the ovine placenta. *Am J Obstet Gynecol* 139(4):459-464, 1981.
2. Padbury JF, Diakomanolis ES, Hobel CJ, Perelman A and Fisher DA: Neonatal adaptation: sympatho-adrenal response to umbilical cord cutting. *Pediatr Res* 15:1483-1487, 1981.
3. Jobe A, Ikegami M, Glatz, T.H., Yoshida, Y., Diakomanolis, E.S. and Padbury JF: The duration and characteristics of treatment of premature lambs with natural surfactant. *J Clin Invest* 67:370-375, 1981.
4. Padbury JF, Hobel CJ, Lam RW. and Fisher DA: Sex differences in lung and adrenal neurosympathetic development rabbits. *Am J Obstet Gynecol* 141(2):199-204, 1981.
5. Padbury JF, Diakomanolis ES, Lam RW, Hobel CJ and Fisher DA: Ontogenesis of tissue catecholamines in fetal and neonatal rabbits. *J Develop Physiol* 3:297-303, 1981.
6. Padbury JF, Roberman B, Hobel CJ and Fisher DA: I. Fetal catecholamines during labor and delivery. The role of fetal acid base status, labor, sex and heart rate patterns at term. *Obstet. Gynecol.* 60:607-611, 1982.
7. Jobe A, Ikegami M, Glatz, T., Yoshida, Y., Diakomanolis, E.S. and Padbury JF: Saturated phosphatidylcholine metabolism and surfactant replacement therapy in premature lambs. *Exp Lung Res* 4:259-267, 1983.
8. Padbury JF, Hobel CJ, Gonzalez FA and Fisher DA: Ontogenesis and sex differences in rabbit fetal adrenal phenylethanolamine N-methyltransferase. *Biol Neonate* 43:205-210, 1983.
9. Klein AH, Reviczky A, Chou P, Padbury JF and Fisher DA: Development of brown adipose tissue (BAT) thermogenesis in the ovine fetus and newborn. *Endocrinology* 112:1662-1666, 1983.
10. Klein AH, Reviczky A, Padbury JF and Fisher DA: Effect of changes in thyroid status on tissue respiration in fetal and newborn sheep. *Am J Physiol* 244:E603-E606, 1983.
11. Padbury JF, Lam RW, Hobel CJ and Fisher DA: Identification and partial purification of phenylethanolamine – methyltransferase in the developing ovine lung. *Pediatr Res* 17:262-267, 1983.

12. Padbury JF, Jacobs HC, Lam RW, Conaway D, Jobe AH and Fisher DA: Adrenal epinephrine and the regulation of pulmonary surfactant release in neonatal rabbits. *Exp Lung Res* 7: 177-86, 1984.
13. Klein AH, Reviczky A and Padbury JF: Thyroid hormones augment catecholamine stimulated brown adipose tissue thermogenesis in the ovine fetus. *Endocrinology* 114:1065-1069, 1984.
14. Newnham JP, Marshall, C.L., Padbury JF, Larn, R.W., Hobel CJ and Fisher DA: Fetal catecholamine release with preterm delivery. *Am J Obstet Gynecol* 149:888-893, 1984.
15. Padbury JF: A straight forward guide to neonatal resuscitation. *Contemporary Ob/Gyn* 24:174-179, 1984.
16. Padbury JF, Polk DH, Newnham JP and Lam RW: Neonatal adaptation: greater sympathoadrenal response in preterm than full-term fetal sheep at birth. *Am J Physiol* 248:E443- E449, 1985.
17. Padbury JF, Ludlow JK, Humme JA and Agata, Y: Metabolic clearance rates and production rates of catecholamines in preterm and term fetal sheep. *Pediatr Res* 20:992-995, 1986.
18. Venkatesh N, Padbury JF and Singh BN: Effects of amiodarone and desethylamiodarone on rabbit myocardial adrenoceptors and serum thyroid hormones -absence of relationship to serum and myocardial drug concentrations. *J Cardiovas Pharmacol* 8: 989-997, 1986.
19. Lakshmanan J, Padbury JF, Macaso T, Wang D, Beri U and Fisher DA: Involvement of sympathetic nervous system in thyroxine submandibular gland nerve growth factor and epidermal growth factor responses. *Pediatr Res* 20:232-237, 1986.
20. Padbury JF, Klein AH, Polk DH, Lam RW, Hobel CJ and Fisher DA: The effect of thyroid status on lung and heart beta adrenergic receptors in fetal and newborn sheep. *Devel Pharmacol Therapeut* 9:44-53, 1986.
21. Padbury JF, Lam RW, Polk DH, Newnham JP, Lakshmanan J and Fisher DA: Autoimmune sympathectomy in fetal rabbits. *J Devel Physiol* 8:369-379, 1986.
22. Agata Y, Padbury JF, Ludlow JK, Polk DH and Humme JA: The effect of chemical syrnpatetectomy on catecholamine release at birth. *Pediatr Res* 20:1338-1344, 1986.

23. Newnham JP, Lam RW, Hobel CJ, Padbury JF, Polk DH and Fisher DA: Differential response of ovine placental lactogen levels in maternal and fetal circulations following single umbilical artery ligation in fetal sheep. *Placenta* 7:51-64, 1986.
24. Polk DH, Padbury JF, Callegari CC, Newnham JP, Reviczky A and Klein AH: Effect of fetal thyroidectomy on newborn lambs. *Pediatr Res* 21 :453-457, 1987.
25. Padbury JF, Ludlow JK, Ervin MG, Jacobs HC and Humme JA.: Thresholds for the metabolic and hemodynamic effects of plasma catecholamines in fetal sheep. *Am J Physiol* 252 (Endocrinol Metab):E530-E537, 1987.
26. Polk DH, Ervin MG, Padbury JF, Lam RW, Reviczky A and Fisher DA: Epidermal growth factor acts as a corticotropin releasing factor in chronically catheterized fetal lamb. *J Clin Invest* 79:984-988, 1987.
27. Padbury JF, Agata Y, Baylen BG, Polk DH, Goldblatt E and Pescetti J: Dopamine pharmacokinetics in critically ill newborn infants. *J Pediatr* 110:293, 1987.
28. Padbury JF, Agata Y, Polk DH, Wang D.L. and Callegari CC: Neonatal adaptation: Naloxone increases the catecholamine surge at birth. *Pediatr Res* 21 :590-593, 1987.
29. Padbury JF, Agata Y, Ludlow JK, Ikegami M, Jobe A, and Humme J: Effect of fetal adrenalectomy on catecholamine release and physiologic adaptation at birth in sheep. *J Clin Invest* 80:1096-1103, 1987.
30. Padbury JF, Agata Y, Polk DH, Wang DL, Lam RW and Callegari CC: Catecholamine and endorphin responses to delivery in term and preterm lambs. *Devel Pharmacol & Ther* 11:44-50, 1988.
31. Clyman RI, Teitel D, Padbury JF, Roman C and Mauray F: The role of beta adrenoreceptors stimulation and contractile state in the preterm lamb's response to altered ductus arteriosus patency. *Pediatr Res* 23:316-322, 1988.
32. Martinez AM, Padbury JF, Shames L, Evans C and Humme JP: Naloxone potentiates epinephrine release during hypoxia in fetal sheep: Dose response and cardiovascular effects. *Pediatr Res* 23:343-347, 1988.
33. Padbury JF and Martinez AM: Sympathoadrenal system activity at birth: Integration of postnatal adaptation. *Sem Perinatol* 12:163-172, 1988.
34. Agata Y, Padbury JF, Hiraishi, S., Fujino, N., Horiguchi, Y., Ervin, M. and Yashiro, K.:The effects of adrenalectomy and volume loading on cardiac performance and plasma catecholamine level in newborn lambs. *J Jap Soc Pediatr* 92:2303-2308, 1988.

35. Padbury JF, Martinez AM, Ludlow JK, Evans, C.W. and Thio SL: Radioenzymatic assay for the simultaneous estimation of dobutamine and endogenous catecholamines. *J Clin Chem* 34:2380-2381, 1988.
36. Ervin MG, Padbury JF, Ross MG, Leake RD and Fisher DA: Developmental changes in the adrenergic regulation of fetal arginine vasopressin secretion. *Am J Physiol* 256:(Endocrinol Metab 19):E406-E412, 1989.
37. Padbury JF, Martinez AM, Thio SL, Burnell E and Humme JA: Free and sulfoconjugated catecholamine responses to hypoxia in fetal sheep. *Am J Physiol (Endocrinol Metab)* 257:E198-E202, 1989.
38. Baylen BG, Agata Y, Padbury JF, Ikegami M, Jobe AH and Emmanouilides GC: Hemodynamic and neuroendocrine adaptations of the preterm lamb left ventricle to acutely increased afterload. *Pediatr Res* 26:336-342, 1989.
39. Padbury JF, Habib DM and Martinez AM: Thresholds for the physiologic effects of adrenergic agents: A methodologic appraisal. *J Devel Physiol* 14:115-124, 1990.
40. Martinez AM, Padbury JF, Burnell EE, Thio SL and Humme J: The effects of hypoxia on (methionine) enkephalin peptide and catecholamine release in fetal sheep. *Pediatr Res* 27:52-55, 1990.
41. Habib DM, Padbury JF, Martinez AM, Chappell B, Thio SL and Burnell E: Neonatal adaptation: Cardiac adrenergic effector mechanisms after birth in newborn sheep. *Pediatr Res* 29:98-103, 1991.
42. Martinez AM, Padbury JF, Humme JA, Evans CW and Shames L: Plasma catecholamines and their physiologic thresholds during the first ten days of life in sheep. *J Devel Physiolol* 13: 141-146, 1990.
43. Padbury JF, Agata Y, Baylen BG, Ludlow JK, Polk DH, Habib DM and Martinez AM: Dopamine pharmacokinetics in critically ill newborn infants. *J Pediatr* 117:472- 476, 1990.
44. Martinez AM, Padbury JF, Burnell EE and Thio SL: Plasma methionine enkephalin levels in the human newborn at birth. *Biol Neonate* 60:102-107, 1991.
45. Harwell CM, Padbury JF, Anand RS, Martinez AM, Ipp E, Thio SL and Burnell EE: Fetal glucose and catecholamine responses to maternal hypoglycemia, *Am J Physiol(Reg Integr & Comp Physiol* 28):R1126-R1130, 1990.

46. Savich RD, Guerra FA., Lee CH, Padbury JF and Kitterman JA: The effect of acute oligohydramnios on the respiratory system of fetal sheep. *J Appl Physiol* 73(2):610-617, 1992.
47. Chappell BA, Padbury JF, Habib DM, Martinez AM, Thio SL and Burnell E: Pulmonary clearance of norepinephrine in lambs. *Pediatr Res* 29:93-97, 1991.
48. Ervin MG, Castro R, Sherman DJ, Ross MG, Padbury JF, Leake RD and Fisher DA: Ovine fetal renal and hormonal responses to changes in plasma epinephrine, *Am J Physiol (Reg Integr & Comp)* 260:R82-89, 1991.
49. Collins JW Jr., Hoppe M, Brown K, Edidin DV, Padbury JF, and Ogata ES: A controlled trial of insulin infusion and parenteral nutrition in glucose intolerant extremely low birth weight infants with glucose intolerance. *J Pediatr* 118:921-927, 1991.
50. Martinez AM, Padbury JF, Habib DM, Chappell B, Thio S, Burnell E and Humme J: Maturational changes in expression of enkephalin peptides in adrenal and extra-adrenal tissue of fetal and adult rabbits. *Brain Res Bull* 26:935-940, 1991.
51. Padbury JF, Martinez AM, Chappell BA, Oyama K, Stein H and Barberie L: Dopamine clearance may vary. *Pediatr Trauma Acute Care* 3 :47, 1991.
52. Chappell BA, Padbury JF, Martinez AM, Habib DM, Stein H and Oyama K: Cardiovascular effects of SKF 104078 in lambs. *Devel Pharm& Therap* 17:44-51, 1991.
53. Martinez AM, Padbury JF and Thio S: Dobutamine pharmacokinetics and cardiovascular responses in critically ill neonates. *Pediatrics* 89:47-51, 1992.
54. Ballard RA, Ballard PL, Creasy RK, Padbury JF, Polk DH, Bracken M, Moya FR, Gross I and TRH study group. Respiratory disease in very-low-birthweight infants after prenatal thyrotropin-releasing hormone and glucocorticoid. *Lancet* 339:510-515, 1992.
55. Habib DM, Padbury JF, Anas NG, Perkin RM and Minegar C: Dobutamine pharmacokinetics and pharmacokinetics in pediatric intensive care patients, *Crit Care Med* 20:601-608, 1992.
56. Sapien R, Stein H, Padbury JF, Thio S, and Hodge D: Intraosseous versus intravenous epinephrine infusion in lambs: Pharmacokinetics and pharmacodynamics. *Pediatr Emerg Care* 8:179-183, 1992.

57. Oyama K, Padbury JF, Chappell B, Martinez A, Stein H and Humme J: Single umbilical artery ligation-induced fetal growth retardation: effect on postnatal adaptation. *Am J Physiol (Endocrinol & Metab)* 263:E575-E583, 1992.
58. Oyama K, Padbury JF, Martinez A, Chappell B, Stein H, Blount L, and Buhl E: Free and sulfoconjugated catecholamine responses at birth in newborn sheep. *Am J Physiol (Endocrinol & Metab)* 263:E23-E27, 1992.
59. Stein HM, Oyama K, Sapien R, Chappell B, and Padbury JF: Prolonged beta agonist infusion does not induce desensitization or down-regulation of beta adrenergic receptors in newborn sheep. *Pediatr Res* 31 :462-467, 1992.
60. Martinez AM, Padbury JF, Barberie LM, Burnell EE, and Thio S: Elevated plasma met-enkephalin levels in the human newborn are a poor indicator of perinatal stress. *Am J Obstet Gynecol* 166:1429-1435, 1992.
61. Berg RA, Donnerstein RL and Padbury JF: Dobutamine infusions in stable, critically ill children: Pharmacokinetics and hemodynamic effects in critically ill children. *Crit Care Med* 21(5):678-86, 1993.
62. Ballard PL, Ballard RA, Creasy RK, Padbury JF, Polk DH, Bracken M, Moya FR, and Gross I: Plasma thyroid hormones and prolactin in premature infants and their mothers after prenatal treatment with thyrotropin-releasing hormone. *Pediatr Res* 32:673-678, 1992.
63. Stein H, Oyama K, Martinez A, Chappell B and Padbury JF: Plasma epinephrine appearance and clearance rates in fetal and newborn sheep. *Am J Physiol (Reg Integr & Compar Physiol* 34):R756-R760, 1993.
64. Oyama K, Padbury JF, Humme J, Chappell B, Stein HM, Blount E, and Buhl E: Effects of fetal growth retardation on the development of central and peripheral catecholaminergic pathways. *J Devel Physiol* 18:217-222, 1992.
65. Chan K, Dodd A, Day L, Kullama L, Ervin MG, Padbury JF and Ross MG: Fetal catecholamine, cardiovascular and neurobehavioral responses to cocaine. *Am J Obstet Gynecol* 167:1616-23, 1992.
66. Ogundipe OA, Kullama LK, Stein H, Nihland MJ, Ervin MG, Padbury JF and Ross MG: Fetal endocrine and renal responses to in utero ventilation and umbilical cord occlusion. *Am J Obstet Gynecol* 169:1479-86, 1993.
67. Stein HM, Oyama K, Martinez A, Chappell BA, Buhl L, Blount L and Padbury JF: Effects of corticosteroids in preterm sheep on adaptation and sympathoadrenal mechanisms at birth. *Am J Physiol* 264 (Endocrinol Metab 27):E763-E769, 1993.

68. Berg RA, Padbury JF, Donnerstein RL, Klewer SE, and Hutter JJ: Dobutamine pharmacokinetics and pharmacodynamics in normal children and adolescents. *J Pharmacol Exp Therap* 265(3):1232-8, 1993.
69. Stein HM, Martinez A, Blount L, Oyama K, and Padbury JF: The effects of corticosteroids and thyrotropin-releasing hormone on newborn adaptation and sympathoadrenal mechanisms in preterm sheep. *Am J Obstet.Gynecol* 171 (1): 17-24, July, 1994.
70. Newnham JP, Polk DH, Kelly, R.V., Padbury JF, Evans, S.F., Ikegami M, and Jobe AH: Catecholamine responses to ultrasonographically guided percutaneous blood sampling in fetal sheep. *Am J Obstet Gynecol* 71:460-46, 1994.
71. Padbury JF, Tseng, Y-T., and Waschek JA: A cloning strategy for G-protein coupled hormone receptors: The ovine beta 1-adrenergic receptor. *Reprod Fertil Dev* 7:521-5, 1995.
72. Stein HM, Martinez AM, Oyama K, Blount L, and Padbury JF: Effect of corticosteroids on free and sulfoconjugated catecholamines at birth in premature newborn sheep. *Am J Physiol* 268 (Endocrinol and Metab) E28-E32, 1995.
73. Padbury JF, Polk DH, Ervin MG, Berry LM, Ikegami M, and Jobe AH: Postnatal cardiovascular and metabolic responses to a single intramuscular dose of betamethasone in fetal sheep born prematurely by cesarean section. *Pediatr Res* 38:709-715, 1995.
74. Padbury JF, Tseng YT, and Waschek JA: Transcription initiation is localized to a tataless region in the ovine  $\beta$ 1 adrenergic receptor gene. *Biochem Biophys Res Comm* 211(1):254-261, 1995.
75. Tseng YT, Tucker, M.A., Kashiwai, K.T., Waschek JA and Padbury JF: Transcriptional regulation of  $\beta$ 1-adrenergic receptors by corticosteroids and thyroid hormone in fetal sheep. *Eur J Pharmacol (Mol Pharmacol Sect)* 289:353-359, 1995.
76. Bzoskie LA, Blount L, Kashiwai, K., Tseng YT, Hay, W.W. Jr., and Padbury JF: Placental Norepinephrine Clearance: In Vivo Measurement and Physiological Role. *Am J Physiol* 269 (Endocrinol Metab 32): E145-E149, 1995.
77. Tseng YT, Waschek JA, and Padbury JF: Functional analysis of the 5' flanking sequence in the ovine  $\beta$ 1-adrenergic receptor gene. *Biochem Biophys Res Comm* 215:606-612, 1995.
78. Agata Y, Hiraishi S, Misawa H, et al including Padbury JF: Hemodynamic adaptation sat birth and neonates delivered vaginally and by cesarean section. *Biol Neonate* 68(6):404-411, 1995.

79. Padbury JF, Ervin MG, and Polk DH: Extrapulmonary effects of antenatally administered steroids. *J Pediatr* 128:167-72, 1996.
80. Downs T, Padbury JF, Blount L, Kashiwai K, and Chan K: Ovine fetal-placental cocaine pharmacokinetics during continuous cocaine infusion. *J Soc Gynecol Invest* 3, 185-90, 1996
81. Jobe AH, Polk DH, Ervin MG, Padbury JF, Rebello CM, and Ikegami M: Preterm betamethasone treatment of fetal sheep: Outcome after term delivery. *J Soc Gynecol Invest* 3:250-8, 1996.
82. Ervin MG, Berry LM, Ikegami M, Jobe AH, Padbury JF, and Polk DH: Single dose fetal betamethasone administration stabilizes postnatal glomerular filtration rate and alters endocrine function in premature lambs. *Pediatr Res* 40:645-651, 1996.
83. Walther FJ, Mehta EI, Padbury JF: Lung CuZn-superoxide dismutase and catalase gene expression in premature rabbits treated intratracheally with antioxidant-surfactant liposomes. *Biochem Mol Med* 59, 169-173, 1996.
84. Bzoskie LA, Blount L, Kashiwai, K., Humme J, and Padbury JF: Placental norepinephrine transporter development in the ovine fetus. *Placenta* 18: 65-70, 1997.
85. Berry LM, Polk DH, Ikegami M, Jobe AH, Padbury JF, and Ervin MG: Preterm newborn lamb renal and cardiovascular responses after fetal or maternal antenatal betamethasone. *Am J Physiol* 272:R1972-9, 1997.
86. Bzoskie LA, Blount L, Kashiwai, K., Humme J and Padbury JF: The contribution of transporter-dependent uptake to fetal catecholamine clearance. *Biol Neonate* 71: 102-110, 1997.
87. Bzoskie LA, Yen J, Tseng YT, Blount L, Kashiwai K, Padbury JF: Human placental norepinephrine transporter mRNA: Expression and correlation with fetal condition at birth. *Placenta* 18: 205-210, 1997.
88. Derkx J.B, Giussani DA, Jenkins SL, Wentworth RA, Visser GHA, Padbury JF, and Nathanielsz PW: A comparative study of cardiovascular, endocrine and behavioral effects of betamethasone and dexamethasone administration to fetal sheep. *J Physiol* 499.1, 217-226, 1997.
89. Padbury JF, Tseng YT, McGonnigal BA, Penado K, Stephan M, and Rudnick G: Placental biogenic amine transporters: Cloning and expression. *Mol Brain Res* 45(1): 163-168, 1997.

90. Billings KR, Kerner MM, Padbury JF, Abemayor E: Laryngotracheal stenosis in a case of Pena-Shokier syndrome. *Am J Otolaryngol* 18(3):226-228, 1997.
91. Berg RA and Padbury JF: Sulfoconjugation and renal excretion contribute to the interpatient variation of exogenous catecholamine clearance in critically ill children. *Crit Care Med* 25(7): 1247-51, 1997.
92. Jobe AH, Ikegami M, Padbury JF, Polk DH, Gonzales LW, and Ballard PL: Combined effects of fetal p-agonist stimulation and glucocorticoids on lung function of preterm lambs. *Biol Neonate* 1997; 72, 305-313.
93. Ballard RA, Ballard PL, Cnaan A, and eight other authors including Padbury JF for the North American TRH Study Group: Antenatal thyrotropin-releasing hormone to prevent lung disease in preterm infants. *N Engl J Med* 338, 493-498, 1998.
94. Berry LM, Padbury JF, Novoa-Takara L, and Emmanouilides GC: Premature "closing" of the foremen ovale with transposition of the great arteries and intact ventricular septum: A rare cause of sudden neonatal death. *Pediatr Cardiol* 19:246-248, 1998.
95. Tseng YT and Padbury JF: Expression of a pulmonary endothelial norepinephrine transporter. *J Neural Transmission* 105:1187-1191, 1998.
96. Tseng YT, Stabila JP, McGonnigal BG, Nguyen TT, and Padbury JF: An inverted cAMP response element mediates the cAMP induction of the ovine  $\beta_1$ -adrenergic receptor gene. *Biochem Mol Biol Int* 46(6):1127-1134, 1998.
97. Padbury JF: Neonatal dopamine pharmacodynamics: Lessons from the bedside. *J Pediatr* 1998.
98. Nguyen TT, Tseng YT, McGonnigal BG, Stabila JP, Worrell LA, Saha S and Padbury JF Placental biogenic amine transporters: In vivo function, regulation and pathobiological significance. *Placenta* 20: 3-11, 1999.
99. Tseng YT, Padbury JF. Transient transfection and adrenergic receptor promoter analysis. *Methods Mol Biol* 126:235-9, 2000.
100. Tseng YT, Padbury JF. Primer extension methods for determination of beta 1-adrenergic receptor mRNA start sites. *Methods Mol Biol* 126:181-5, 2000.
101. Karinski DA, Balkundi D, Rubin LP, Padbury JF: The use of inhaled glucocorticoids and recovery from adrenal suppression after systemic steroid use in a VLBW premature infant with BPD: Case report and literature discussion. *Neonatal Network* 19:27-36, 2000.

102. Hanna N, Hanna I, Hleb M, Wagner E, Dougherty J, Padbury JF, and Sharma S: Gestational age-dependent expression of interleukin-10 and its receptor in human placental tissues and isolated cytotrophoblasts. *J Immunol* 164:5721-5728, 2000.
103. Ervin MG, Padbury JF, Polk DH, Ikegami M, Berry LM, and Jobe AH: Antenatal glucocorticoids alter premature newborn lamb neuroendocrine and endocrine responses to hypoxemia. *Am J Physiol Regulatory Integrative Comp Physiol* 279: R830-R838, 2000.
104. Padbury JF, McGonnigal BG, Tseng YT, Nguyen TT, Stabila JP: Cloning and sequence analysis of the rat norepinephrine transporter promoter. *Mol Brain Res* 83:128-132, 2000.
105. Jobe AH, Newnham JP, Willet KE, Moss TJ, Ervin MG, Padbury JF, Sly P, Ikegami M: Endotoxin-induced lung maturation in preterm lambs is not mediated by cortisol. *Am J Respir Crit Care Med* 162:1656-1661, 2000.
105. Thureen PJ, Padbury JF, Hay WW, Jr: The effect of maternal hypoaminoacidaemia on placental uptake and transport of amino acids in pregnant sheep. *Placenta* 22:162-170, 2001.
106. Diah SK, Padbury JF, Campbell WA, Britt D, Thompson NL: Molecular cloning of the rat TA1/LAT-1/CD98 light chain gene promoter. *Biochim Biophys Acta* 1518:267-270, 2001.
107. Tseng YT, Stabila JP, Nguyen TT, McGonnigal BG, Waschek JA, and Padbury JF: A novel glucocorticoid regulatory unit (GRU) mediates the hormone responsiveness of the  $\beta$ 1-adrenergic receptor gene. *Mol Cell Endocrinol* 181:165-178, 2001.
108. Tseng YT, Kopel R, Stabila JP, McGonnigal BG, Nguyen TT, Gruppuso PG, Padbury JF:  $\beta$ -Adrenergic receptors regulate cardiomyocyte proliferation during early postnatal life. *FASEB* 15:1921-1926, 2001.
109. McNab TC, Tseng YT, Stabila JP, McGonnigal BG, Padbury JF: Liganded and unliganded steroid receptor modulation of beta<sub>1</sub> adrenergic receptor gene transcription. *Pediatr Res* 50:575-580, 2001.
110. Newnham JP, Moss TJ, Padbury JF, Willet KE, Ikegami M, Ervin MG, Sly P, Jobe A H.: The interactive effects of endotoxin with prenatal glucocorticoids on short-term lung function in sheep. *Am J Obstet Gynecol* 185:190-197, 2001.
111. Sarkar S, Tsai SW, Nguyen TT, Plevyak M., Padbury JF: Inhibition of placental 11 $\beta$ -hydroxysteroid dehydrogenase type 2 by catecholamines via  $\alpha$ -adrenergic signaling. *Am J Physiol (Reg Integr & Compar Physiol)* 281:R1966-1974, 2001.

112. Goodwin G, Msall ME, Vohr BR, Rubin LP, Padbury JF. Newborn screening: An overview with an update on recent advances. *Curr Probl Pediatr Adolesc Health Care* 2:144-72.2002.
113. Rehan VK, Torday JS, Peleg S, Gennero L, Vouros P, Padbury JF, Rao DS, Reddy SG: 1 $\alpha$ ,25-Dihydroxyvitamin-3-epi-vitamin D<sub>3</sub>, a natural metabolite of 1 $\alpha$ ,25-dihydroxy vitamin D<sub>3</sub>: Production and biological activity studies in pulmonary alveolar type II cells. *Mol Genetics & Metab* 76:46-56, 2002.
114. Tseng YT, Wadhawan R, Stabila JP, McGonnigal BG, Padbury JF: Molecular interactions between glucocorticoid and catecholamine signaling pathways. *J Allergy Clin Immunol* 110:S247-54, 2002.
115. Wadhawan R, Tseng YT, Stabila JP, McGonnigal BG, Sarkar S, Padbury JF: Regulation of cardiac  $\beta$ -adrenergic receptor transcription during the developmental transition.. *Am J Physiol Heart Circ Physiol* 284:H2146-H2152, 2003.
116. Baek YW, Brokat S, Padbury JF, Pinar H, Hixson DC, Lim Y-P: Inter-alpha inhibitor proteins in infants and decreased levels on neonatal sepsis. *J Pediatr* 143:11-15, 2003.
117. Zabetian CP, Romero R, Robertson D, Sharma S, Padbury JF, Kuivaniemi H, Kim KS, Kim CH, Kohnke MD, Kranzler HR, Gelerner J, Cubells JF: A revised allele frequency estimate and haplotype analysis of the DBH deficiency mutation IVS1+2T6C in African- and European-Americans. *Am J Med Genet* 123A:190-2, 2003.
118. Padbury JF, Diah SK, McGonnigal B, Miller C, Fugere C, Kuzniar M, Thompson NL: Transcriptional regulation of the LAT-1/CD98 light chain. *Biochim Biophys Acta* 318, 535-540, 2004.
119. Hleb M, Murphy SP, Wagner EF, Hanna NN, Sharma N, Park J, Li XC, Strom TB, Padbury JF, Tseng YT, Sharma S.: Evidence for cyclin D3 as a novel target of rapamycin in human T lymphocytes. *J Biol Chem*.279(30):31948-55, 2004.
120. Lum LG, Padbury JF, Davol PA, Lee RJ.: The virtual reality of stem cell transplantation to repair injured myocardium. *J Cell Biochem* 95(5);869-74, 2005.
121. Ron NP, Kazianis JA, Padbury JF, Brown CM, McGonnigal BG, Sysyn GD, Sadowska GB, Stonestreet BS: Ontogeny and the effect of corticosteroid pretreatment on aquaporin water channels in the ovine cerebral cortex. *Reprod Fertil Dev* 17(5):535-542, 2005.

122. Tseng YT, Yano N, Rojan A, Stabila JP, McGonnigal BG, Wadhawan R, Padbury JF: Ontogeny of phosphoinositide 3-kinase/p70 S6 kinase (P13K/p70S6K) signaling in the developing heart: Effect of acute beta-adrenergic stimulation. *Am J Physiol Heart Circ Physiol* 289(5):H1834-42, 2005.
123. Mercer JS, Vohr BV, McGrath MM, Padbury JF, Wallach M, Oh W: Delayed cord clamping in very preterm infants reduces the incidence of intraventricular hemorrhage and late onset sepsis: A randomized controlled trial. *Pediatrics* 117, 235-242, 2006.
124. Kim C-R, Sadowska GB, Petersson KH, Merino M, Sysyn GD, Padbury JF, Stonestreet BS: Effects of postnatal steroids on Na<sup>+</sup>, K<sup>+</sup>-ATPase Activity and α<sub>1</sub> and β<sub>1</sub> subunit protein expression in the cerebral cortex and renal cortex of newborn lambs. *Reprod Fertil Dev* 18, 413-423, 2006.
125. Lee RJ, Fang Q, Davol PA, Gu Y, Sievers RE, Grabert RC, Gall JM, Tsang E, Yee MS, Fok H, Huang NF, Padbury JF, Lerrick JW, Lum LG: Antibody targeting of stem cells to infarcted myocardium. *Stem Cells* 25(3):712-17, 2007.
126. Yano N, Suzuki D, Endoh M., Zhao TC, Padbury JF, Tseng Y-T: A novel phosphoinositide 3-kinase-dependent pathway for angiotensin II/AT-1 receptor-mediated induction of collagen synthesis in MES-13 mesangial cells. *J Biol Chem* 282(26):18819-30, 2007.
127. Than NG, Paidas MJ, Mizutani S, Sharma S, Padbury J, Barnea ER: Embryo-placento-maternal interaction and biomarkers: from diagnosis to therapy--a workshop report. *Placenta* Apr;28 Suppl A:S107-10, 2007.
128. Yano N, Ianus V, Zhao TC, Tseng A, Padbury JF, Tseng Y-T: A novel signaling pathway for β-adrenergic receptor-mediated activation of phosphatidylinositol 3-kinase in H9c2 cardiomyocytes. *Am J Physiol Heart Circ* 293(1):H385-93, 2007.
129. Zhao TC, Cheng GM, Zhang L-X, Tseng Y-T, Padbury JF: Inhibition of histone deacetylases triggers pharmacologic preconditioning effects against myocardial ischemic injury. *Cardiovas Res* 76:473-481, 2007.
130. Jegatheesan P, Ianus V, Buchh B, Yoon G, Chorne N, Ewig A, Lin E, Fields S, Moon-Grady A, Tracy T, Milstein J, Schreiber M, Padbury JF, Clyman R: Increased Indomethacin dosing for persistent patent ductus arteriosus in preterm infants: Results of a multicenter, randomized controlled trial. *J Pediatr* 153:183-189, 2008.
131. Haley SA, Zhao T, Zou L, Klysik JE, Padbury JF, Kochilas LK: Forced expression of the cell cycle inhibitor p57Kip2 in cardiomyocytes attenuates ischemia-reperfusion injury in the mouse heart. *BMC Physiol* 8:4, 2008.

132. Kalkunte S, Lai Z, Tewari N, Chichester C, Romero R, Padbury JF, Sharma S: In vitro and in vivo evidence for lack of endovascular remodeling by third trimester trophoblasts. *Placenta*. 29:871-878, 2008.
133. Zhao TC, Tseng A, Yano N, Tseng YT, Davol PA, Lee RJ, Lum LG, Padbury JF: Targeting human CD34+ hematopoietic stem cells with anti-CD45 x anti-myosin light chain bispecific antibody preserves cardiac function in myocardial infarction. *J Applied Physiol* 104(6):1793-800, 2008.
134. Yano N, Tseng A, Zhao TC, Robbins J, Padbury JF, Tseng Y-T: Temporally controlled overexpression of cardiac-specific PI3K $\alpha$  induces enhanced myocardial contractility - A new transgenic model. *Am J Physiol Heart Circ* 295(4):H690-4, 2008.
135. Yano N, Suzuki D, Endoh M, Tseng A, Stabila JP, McGonnigal BG, Zhao TC, Padbury JF, Tseng Y-T:  $\beta$ -Adrenergic Receptor Mediated Protection against Doxorubicin-Induced Apoptosis in Cardiomyocytes: The Impact of High Ambient Glucose. *Endocrinology* 149(12):449-61, 2008.
136. Fritzell JA, Mao Q, Gundavarapu S, Pasquariello T, Aliotta J, Ayala A, Padbury JF, DePaepe ME: Fate and Effects of Adult Bone Marrow Cells in Lungs of Normoxic and Hyperoxic Newborn Mice. *Am J Respir Cell Mol Biol* 40:1-13, 2009.
137. Murphy SP, Hanna NN, Fast LD, Shaw SK, Berg G, Padbury JF, Romero R, Sharma S. Evidence for participation of uterine natural killer cells in the mechanisms responsible for spontaneous preterm labor and delivery. *Amer J Obstet Gyn* 200(3):308.e1-9, 2008.
138. Lester BM, Padbury JF. The Third Pathophysiology of Prenatal Cocaine Exposure. Special Issue of *Dev Neurosci* 31:23-35, 2009.
139. Chaaban H, Singh K, Lam J, Siryaporn E, Lim YP, Padbury JF: The Role of Inter-alpha Inhibitor Protein in the Diagnosis of Neonatal Sepsis. *J Pediatr* 154(4):620-622, 2009.
140. Chrostowski MK, McGonnigal BG, Stabila JP, Padbury JF: The LAT-1 Expression in Pre and Post Implantation Placenta and Embryo. *Placenta* 30:270-6, 2009.
141. Yano N, Suzuki D, Endoh M, Cao TN, Dahdah JR, Tseng A, Stabila JP, McGonnigal BG, Zhao, Padbury JF, Tseng Y-T: High ambient glucose induces angiotensin-independent AT-1 receptor activation leading to increases in proliferation and extra cellular matrix proteins synthesis in MES-13 mesangial cell. *Biochem J* 423(1):129-43, 2009.

142. Salisbury AL, Ponder KL, Padbury JF, Lester BM. Fetal effects of psychoactive drugs. Clin Perinatol 36(3):595-619, 2009.
143. Christensen BC, Houseman EA, Marsit CJ, Zheng S, Wrensch MR, Wiemels JL, Nelson HH, Karagas MR, Padbury JF, Bueno R, Sugarbaker DJ, Yeh R-F, Wiencke JK, Kelsey KT. Aging and environmental exposures are differentially associated with tissue-specific DNA methylation alterations. PLoS Genetics 5:e1000602, 2009.
144. Mercer JS, Vohr BR, Erickson-Owens DA, Padbury JF, Oh William: Seven-month developmental outcomes of very low birthweight infants enrolled in a randomized controlled trial of delayed versus immediate cord clamping. J Perinatol Jan;30(1):11-6, 2010.
145. Chrostowski MK, McGonnigal BG, Stabila JP, Padbury JR: Role of the L-amino acid transporter-1 (LAT-1) in mouse trophoblast cell invasion. Placenta 31(6):528-34, 2010.
146. Sharma S, Stabila J, Pietras L, Singh AR, McGonnigal B, Ernerudh J, Matthiesen L, Padbury JF. Haplotype-dependent differential activation of the human IL-10 gene promoter in macrophages and trophoblasts: Implications for placental IL-10 deficiency and pregnancy complications. Am J Reprod Immunol 64(3):179-87, 2010.
147. Singh K, Zhang LX, Bendelja K, Heath R, Murphy S, Sharma, Padbury JF, Lim Y-P: Inter-alpha inhibitor protein (IaIP) administration improves survival from neonatal sepsis in mice. Pediatr Res 68(3):242-7, 2010.
148. Kalkunte S, Boij R, Norris W, Friedman J, Lai Z, Kurtis J, Lim K-H, , Padbury JF, Matthiesen L, Sharma S. Sera from preeclampsia patients elicit symptoms of human disease in mice and provide a basis for an in vitro predictive assay. Am J Pathology 177:2387-98, 2010.
149. Chaaban H, Chin M, Siryaporn E, Lim Y-P, Caplan M, Padbury JF. Inter-alpha inhibitor protein levels in neonates predicting necrotizing enterocolitis. J Pediatr 157(5):757-61, 2010.
150. Maccani MA, Avissar-Whiting M, Banister CE, McGonnigal B, Padbury JF, Marsit CJ. Maternal cigarette smoking during pregnancy is associated with downregulation of miR-16, miR-21, and miR-146a in the placenta. Epigenetics 5(7):583-9, 2010.
151. Tseng A, Stabila JP, McGonnigal BG, Yano N, Yang MJ, Tseng YT, Davol PA, Lum LG, Padbury JF, Zhao TC. Effect of disruption of Akt-1 of lin-c-kit+ stem cells on myocardial performance in infarcted heart. Cardiovasc Res 87(4):704-12, 2010.

152. Kim C-R, Sadowska GB, Newton SA, Merino M, Petersson KH, Padbury JF, Stonestreet BS.  $\text{NA}^+$ ,  $\text{K}^+$ -ATPase activity and subunit protein expression: Ontogeny and effects of exogenous and endogenous steroids on the cerebral cortex and renal cortex of sheep. *Repro Sci* 18(4):359-73, 2011.
153. DePaepe ME, Mao Q, Ghanta S, Hovanesian V, Padbury JF: Alveolar epithelial cell therapy with human cord blood-derived hematopoietic progenitor cells. *Am J Pathol* 178(3):1329-39, 2011.
154. Robins JC, Marsit CJ, Padbury JF, Sharma S: Endocrine disruptors, environmental oxygen, epigenetics and pregnancy. *Front Biosci (Elite Ed)* 3: 690-700, 2011.
155. Ponder K, Salisbury A, McGonnigal BG, Laliberte A, Lester BM, Padbury JF: Maternal depression and anxiety are associated with altered gene expression in the human placenta without modification by antidepressant use: Implications for fetal programming. *Dev Psychobiol Dev Psychobiol* 53(7):711-23, 2011.
156. Maccani MA, Padbury JF, Marsit CJ: *miR-16 and miR-21* Expression in the placenta is associated with fetal growth. *PLoS One* 6(6):e21210, 2011.
157. McGregor C, Catley Christina, James A, Padbury JF. Next generation neonatal health informatics with Artemis. *Stud Health Technol Inform* 169:115-9, 2011.
158. Banister CE, Koestler DC, Maccani MA, Padbury JF, Houseman EA, Marsit CJ. Infant growth restriction is associated with distinct patterns of DNA methylation in human placentas. *Epigenetics Jul;6(7):920-7*, 2011.
159. Wilhelm-Benartzi CS, Houseman EA, Maccani MA, Poage GM, Koestler DC, Langevin SM, Gagne L, Banister C, Padbury JF, Marsit CJ: In utero exposures, infant growth and DNA methylation of repetitive element and developmentally related genes in human placenta. *Environ Health Perspect* 2011 (In Press).
160. Marsit CJ, Lambertini L, Maccani M, Koestler D, Houseman EA, Gagne L, Padbury JF, Lester BM, Chen J: Placenta imprinted gene expression association of infant neurobehavioral. *J Pediatrics* 2011 (In Press).
161. Brard L, Lange TS, Robinson K, Kim KK, Brodsky AS, Uzun A, Padbury JF, Ara T, McCallum MM, Arnold LA, Moore RG, Singh RK: Development of the first ergocalciferol-derived, vitamin-D receptor-independent and non-hypercalcemic anti-cancer agent (MT19c). *PLoS One* (In Press).
162. Uzun A, Laliberte A, Parker J, Andrew C, Winterrowd E, Sharma S, Istrail S, Padbury JF: dbPTB: A Database for Preterm Birth, Database (In Press).

## PUBLICATIONS SUBMITTED OR IN PREPARATION

1. Nelson MU, Padbury JF: 50 Years Ago in the Journal of Pediatrics. Submitted.
2. Chen X, Threlkeld SW, Cummings EE, Sadowska GB, Lim Y-P, Padbury JF, Sharma S: In vitro efficacy of anti-ovine-interleukin-1 and anti-ovine-interleukin-6 antibodies. Submitted.
3. Chen X, Threlkeld SW, Cummings EE, Sadowska GB, Lim Y-P, Padbury JF, Sharma S, Stonestreet BS: Development of cytokine neutralizing antibodies in sheep: Potential for therapeutic interventions. Submitted.
4. Lester B, Marsit Carmen, Bromer Cailey, Hinckley M, Padbury JF. Behavioral epigenetics and the developmental origins of child mental health disorders. *Developmental Origins of Health and Disease*. Submitted.
5. Saadeh FB, Clark MA, Rogers ML, Linkletter CD, Phipps MG, Padbury JF, Vivier PM: Pregnant and moving: Understanding residential mobility during pregnancy and in the first year of life using a prospective birth cohort. Submitted.
6. Young C, Chawla A, Berardi V, Padbury JF, Skowren G, Krause PJ, Kyriakides T, Cislo P, Sweeney J, Folan D, Durda, P, Lawrence D, Mermel L: Preventing transfusion transmitted babesiosis: Preliminary experience of the first laboratory-based blood donor screening program. Submitted
7. Marsit CJ, Padbury JF, Lester BM: Placental 11-beta hydroxysteroid dehydrogenase methylation is associated with newborn growth and neurobehavioral outcome. Submitted.
8. Uzun A, Sharma S, Padbury JF: Bioinformatics and Preterm Birth, Submitted.
9. Chen S, Threlkeld, Cummings E, Sadowska G, Lim Y-P, Padbury JF, Sharma S, Stonestreet BS: *In vitro* validation of cytokine neutralizing antibodies in ovine mononuclear splenocytes. Submitted.

## OTHER PUBLICATIONS

1. Padbury JF: 50 Years Ago in Journal of Pediatrics. *J Pediatr* 138:643, 2001.
2. Padbury JF: “Molecular Interactions between Glucocorticoid and Catecholamine Signaling Pathways” Congress on Beta-Agonists: New Understandings of Nonbronchodilator Actions. HealthMatters Communications, New York, NY, 2002.

3. Padbury JF: Sustaining ELBW Infants. *J Pediatr* 148:A3, 2006.
4. Padbury JF: Cranial ultrasounds: Are they reliable? *J Pediatr* 150:A3, 2007.
5. Padbury JF and Verspyck J: Designing for Family-Centered Care in the Newborn Intensive Care Unit: Designing for the Future. *AIA Acad J*:10, 2007.
6. Padbury JF and Acun C: 50 Years Ago in the Journal of Pediatrics. *J Pediatr* 152:822, 2008.
7. Padbury JF and Chaaban H: Letters to the Editor. *J Pediatr* 2009 Nov;155(5):763-4; author reply 764.
8. Padbury JF and Chaaban H: Letters to the Editor. *J Pediatr* 2010 Feb;156(2):341; author reply 341.
9. Padbury JR, Lester BM. Millennium: Building for the Future. *Neonatology Today* 5;(2);1-7, 2010.
10. Padbury JF, VanVleet MW, Lester BM. Building for the future of Rhode Island's newborns. *Med Health RI* 93(5):134-8, 2010.
11. Lester BM, Miller RJ, Hawes K, Salisbury A, Bigsby R, Sullivan MC, Padbury JF. Infant neurobehavioral development. *Semin Perinatol* 35(1): 8-19, 2011.
12. Padbury JF. Introduction. *Semin Perinatol* 35(1):1, 2011.
13. Padbury JF. Caffeine, inflammation and BPD. *J Pediatr* 158(1):A1, 2011.

#### BOOKS AND BOOK CHAPTERS

1. Management of the Neonate at Birth. In: *Neonatal Cardiopulmonary Distress*. Year Book Medical Publishers, Inc., (1987).
2. Opiate Peptides and the Fetal Sympathoadrenal System: Naloxone increases the catecholamine surge at birth. *Proceedings of the Sixth International Catecholamine Symposium*, Ed., Anica Dahlstrom, Publisher, Alan R. Liss, Inc., New York, NY 10003 (1988).
3. James F. Padbury and Edward S. Ogata. "Glucose Metabolism During the Transition to Postnatal Life." In: *Neonatal and Fetal Medicine*, Eds., Richard Polin and William Fox. W.B. Saunders Company, Philadelphia, PA. (1988).

4. James F. Padbury, Alma M. Martinez, Siang L. Thio, Elizabeth Burnell. "Integrated Neuroendocrine Stress Responses in Fetal Sheep." In: Molecular Biology of Stress. UCLA Symposia on Molecular and Cellular Biology, New Series, Volume 97, Eds., O. Zinder and S. Bresnitz. Alan R. Liss Inc., New York, NY. (1988).
5. James F. Padbury "Functional Maturation of the Adrenal Medulla and Peripheral Sympathetic Nervous System." In: Clinical Endocrinology and Metabolism, Ed. Colin Jones, Bailliere Tindall, W.B. Saunders Co., London, 1989.
6. James F. Padbury "Neonatal Resuscitation." In: Pediatric Emergency Medicine: Concepts and Clinical Practice, Ed. Roger M, Barkin, Mosby Year Book, Chicago, IL, 1990.
7. James F. Padbury "Adrenal Medulla" In: Developmental Physiology. - A Pediatric Perspective. 1992.
8. James F. Padbury "Neonatal Resuscitation" In: Pediatric Emergency Medicine: Concepts and Clinical Practice, 2nd edition, Ed. Roger M. Barkin, Mosby Year Book, Chicago, IL, 1995.
9. James F. Padbury "Hormonal Responses to Hypoxia" In: Tissue Oxygen Deprivation: Developmental, Molecular and Integrated Function. Ed. George Lister and Gabrielle Haddad, Marcel Dekker, Inc., 1996.
10. James F. Padbury "The Adrenal Medulla" In: Scientific Basis of Pediatric and Perinatal Medicine, 2nd edition. Ed. Peter D. Gluckman and Michael A. Heymann, London, Edward Arnold, 1996.
11. James F. Padbury and Edward S. Ogata, "Glucose Metabolism During the Transition to Postnatal Life." In: Fetal and Neonatal Physiology, Second Edition, Eds., Richard Polin and William Fox. W.B. Saunders Company. Philadelphia, PA. 1996.
12. James F. Padbury and Robert A. Berg, "Developmental Pharmacology of Adrenergic Agents." In: Fetal and Neonatal Physiology, Second Edition, Eds., Richard Polin and William Fox. W.B. Saunders Company. Philadelphia, PA. 1996.
13. Yi-Tang Tseng and James F. Padbury, "The Sympathoadrenal System in the Placental Unit." In: Principles of Perinatal- Neonatal Metabolism, Second Edition. R.M. Cowett, Ed. Springer-Verlag New York, Inc., New York, NY, 437-449, 1998.
14. Yi-Tang Tseng and James F. Padbury, "Primer Extension Methods for Determination of  $\beta$ 1-Adrenergic Receptor mRNA Start Sites. In: Curtis A.

- Machida, Ed. Adrenergic Receptor Protocols, Methods in Molecular Biology series. Humana Press Inc., Totowa, NJ, 126: 181-185, 1999.
15. Yi-Tang Tseng and James F. Padbury, "Transient Transfection and Adrenergic Receptor Promoter Analysis. In: Curtis A. Machida, Ed. Adrenergic Receptor Protocols, Methods in Molecular Biology series. Humana Press Inc., Totowa, NJ, 126: 235-239, 1999.
  16. Rajan Wadhawan and James F. Padbury, "Inotropic Agents in Neonatal Intensive Care." In: Tufts University/Floating Hospital Reports on Neonatal Respiratory Diseases. Ivan D. Frantz, III, Ed. Associates in Medical Marketing, Newtown, PA, 2001.
  17. James F. Padbury and Robert A. Berg, "Developmental Pharmacology of Adrenergic Agents." In: Fetal and Neonatal Physiology, Third Edition, Eds., Richard Polin, William Fox and Steven Abman. W.B. Saunders Company, Philadelphia, PA, 2002.
  18. James F. Padbury, "Neonatal Hypotension and Hypovolemia." In: Rudolph's Pediatrics, 21<sup>st</sup> Edition, Eds., Colin D. Rudolph, Abraham M. Rudolph, Margaret K. Hostetter, George Lister and Norman J. Siegel. McGraw-Hill, New York, NY, 2003.
  19. Chanika Phornphutkul and James F. Padbury, "Updates in Newborn Screening." In eNeonatal Reviews. Ed, Edward E. Lawson, MD, Johns Hopkins University Press, Baltimore, MD 2005.
  20. James F. Padbury and Robert A. Berg, "Developmental Pharmacology of Adrenergic Agents." In: Fetal and Neonatal Physiology, Fourth Edition, Eds., Richard Polin, William Fox and Steven Abman. W.B. Saunders Company, Philadelphia, PA, 2011.
  21. Satyan Kalkunte, James F. Padbury and Surendra Sharma, "The Immunological Basis of Placental Function and Diseases: The Placenta, Fetal Membranes and Umbilical Cord." In: Avery's Diseases of the Newborn: Expert Consult Online and Print, Ninth Edition, Eds. Christine A. Gleason and Sherin Devaskar. W.B. Saunders Company, Philadelphia, PA, 2011