

CURRICULUM VITAE: Sylvain Chemtob, M.D., Ph.D.

EDUCATION:

- University of Montreal, 1980.
- FRCPC & FAAP: Pediatrics, McGill University, Montreal Children's Hospital, 1984.
- FAAP sub-board: Neonatology, McGill University, Montreal Children's Hospital, 1985.
- Ph.D.: Pharmacology, McGill University, 1989.
- Post-doctoral training: Cardiovascular physiology and receptor pharmacology, University of Iowa, 1990.

EMPLOYMENTS:

- University of Iowa, Dept. Pediatrics, Assistant Professor, 1990-1991.
- Res. Center of Hôpital Ste-Justine, University of Montreal, Depts. of Pharmacology, Pediatrics and Ophthalmology, Assistant Professor, 1991- 1996; Associate Professor, 1996-present.

RESEARCH AND PROFESSIONAL EXPERIENCE:

- Research fellowship: Montreal Children's Hospital, 1983-1985.
- Ph.D. in pharmacology, McGill University, 1985-1989.
- Post-doctoral training: University of Iowa, 1989-1990.
- University of Iowa, Dept. of Pediatrics, 1990-1991; 75% research activity.
- Research Center of Hôpital Ste. Justine, Depts. Pediatrics and Pharmacology, 1991- present: 80% research activity.

HONORS:

- First and Second Prize of Excellence, Medical school years 4 (1979) and 5 (1980).
- Merit of Honors for Ph.D. degree (1989).
- Member of the Society for Pediatric Research (1992) and of the Perinatal Research Society (1993).
- Young Investigator Award: Heart and Stroke Foundation of Canada (1993).
- Featured guest speaker at Oh Symposium (1996).
- Award of Excellence for Pediatric Research for Province of Quebec (univeristies of McGill, Montreal and Laval) (1996).

PUBLICATIONS (last 5 years): - Total publications (full papers): 68 (48 in last 5 years)
 - Total abstracts: 93

1. Chemtob S., Beharry K, Barna T, Varma DR, Aranda JV: Enhanced cerebral blood flow autoregulation in the newborn piglet by d-tubocurarine and pancuronium but not by vecuronium. *Anesthesiology* 76:236-244, 1992.
2. Chemtob S., Arjumand A., Varma DR: Eicosanoid-dependent and endothelium-independent oscillations of rat aorta. *J Vasc Res* 29:270-280, 1992.
3. Segar J, Robillard JE, Johnson K, Bell E, Chemtob S.: Addition of metolazone to overcome tolerance to furosemide in infants with bronchopulmonary dysplasia. *J Pediatr* 120:966-973, 1992.
4. Parys-Van Ginderdeuren R, Malcolm D, Barna T, Varma DR, Chemtob S.: Dissociation between prostaglandin levels and blood flow to the retina and choroid in the newborn pig following nonsteroidal antiinflammatory drugs. *Investig Ophthalmol Vis Sci* 33:3378-3384, 1992.
5. Chemtob S., Roy M-S, Abran D, Fernandez H, Varma DR: Prevention of post-asphyxial increase in lipid peroxides and retinal function deterioration in the newborn by inhibition of cyclooxygenase activity and free radical generation. *Pediatr Res* 33:336-340, 1993.
6. Malcolm D, Barna T, Segar J, Robillard JE, Chemtob S.: Indomethacin compromises hemodynamics during positive pressure ventilation, independently of prostanooids. *J Appl Physiol* 74:1672-1678, 1993.
7. Aranda JV, Beharry K, Sasyniuk B, Chemtob S.: The role of prostanoids in neonatal cerebral blood flow autoregulation. *J Lipid Mediators* 6:493-501, 1993.
8. Inayatulla A, Chemtob S., Nuwayhid B, Varma DR: Responses of the placental arteries from normotensive and preeclamptic women to endogenous vasoactive agents. *Am J Obst Gynecol* 168:869-874, 1993.
9. Varma DR, Chemtob S.: Endothelium- and β_2 -adrenoceptor- independent relaxation of rat aorta by tyramine and certain other phenylethylamines. *J Pharmacol Exp Ther* 265:1096-1104, 1993.
10. Li D, Chatterjee T, Abran D, Fernandez H, Varma DR, Chemtob S.: Fewer PGE₂ and PGF_{2 α} receptors in brain synaptosomes of newborn than of adult pigs. *J Pharmacol Exp Ther* 267:1292-1297, 1993.
11. Chemtob S., Li D-Y, Varma DR: Deficiency in PGE₂ receptors, mainly EP₂, on brain synaptosomes in early development: implications on cerebral metabolism. *Semin Perinatol* 18:23-29, 1994..
12. Hardy P, Abran D, Li D-Y, Fernandez H, Varma DR, Chemtob S.: Free radicals in autoregulation of retinal and choroidal blood flow in the piglet: Interaction with prostaglandins. *Investig Ophthalmol Vis Sci* 35:580-591, 1994.