

## CURRICULUM VITAE

### Jacques A. Durr, M.D.

- PLACE OF BIRTH:** Basel, Switzerland
- MARITAL STATUS:** Married  
Wife: Padmini  
Son: Nicolas
- EDUCATION:** Institute Florimont, Geneva, Switzerland  
- French Baccalaureate, Mathematics, 1968.  
- Swiss Baccalaureate, Mathematics and Sciences, 1969.  
  
University of Geneva School of Medicine, Switzerland, 1970-1976.
- POSTDOCTORAL TRAINING:** Department of Medicine, University of Geneva, Switzerland, 1976-1978. Metabolic ward, clinical studies and consultations.  
  
Department of Medicine and Gynecology and Obstetrics, University of Chicago, Chicago Ill, 1978-1980. Research associate (Instructor in Medicine).  
  
Department of Medicine, University of Colorado School of Medicine, Denver, CO, 1981-1985. Internship, Residency, Renal Fellowship and Instructor in Medicine.
- DIPLOMAS:** French Baccalaureate in Math. 1968.  
Swiss Federal Baccalaureate in Math. and Sciences, 1969.  
Swiss Federal Diploma in Medicine, 1976.  
ECFMG Certification (#2;64-930-9), 1976.  
Visa Qualifying Examination (VQE), 1980.  
Colorado State Board of Medicine, 1983.  
American Board of Int. Medicine, 1992.  
American Board of Int. Medicine, Nephrology 1994.  
Certified Physician Specialist in Clinical Hypertension (grandfathered)
- LICENSES:** Colorado Medical License

Florida Medical License.

**ACADEMIC APPOINTMENTS:**

Instructor in Medicine, 1979-1981, University of Chicago, School of Medicine, Chicago, IL

Instructor in Medicine, 1983-1984, University of Colorado School of Medicine, Denver, CO

Assistant Professor in Medicine, November 1985-1992, University of Colorado School of Medicine, Denver, CO

Associate Professor in Medicine with Tenure, July 1992, University of Colorado School of Medicine, Denver, CO

Chief, Nephrology Section, Bay Pines VAMC, Bay Pines, FL, 1992 to 2003. University of South Florida, College of Medicine, Tampa, FL.

Professor in Medicine, Division Director in Nephrology and Hypertension & ACGME Fellowship Program Director for Nephrology, 2000 - present, University of South Florida Health, Morsani College of Medicine, Tampa, FL.

**ACADEMIC ACTIVITIES:**

Attending Physician in Internal Medicine and Nephrology at the Universities of Colorado Hospital, the Denver General Hospital, the Denver VA Hospital, the Bay Pines VA Medical Center, Division of Nephrology, University of South Florida Health, Morsani College of Medicine.

Teaching of Medical Students, Interns, Residents and Fellows in Nephrology.

Clinical and basic research in salt and water homeostasis.

Expert reviews of Grants (NIH, DOVA, The Kidney Foundation of Canada) and Journals (Kidney International, Am J Kidney Diseases, Am J Physiol, J Clin Invest, etc.)

**PROFESSIONAL APPOINTMENTS  
& MEMBERSHIPS:**

Director, DaVita/USF Dialysis Center, 0/3/2014 to 03/2015.  
Member, American Society of Nephrology

**COMMITTEES:**

Moffitt Renal Committee, 03/2014 to 03/2015  
Division Directors' Committee

**ACTIVE GRANTS:**

Bay Pines VA Medical Center Competitive Intramural Grant  
1993-2007.

VA Merit Review Grant: "Hormone Independent Signaling of  
the Vasopressin Receptor in Dehydration", 2001- 2007.

**GRANTS AWARDED:**

IRB-intramural Grant, University of Colorado Health  
Sciences Center, 1985.

First Independent Research Award, NIH Grant # 1 R29  
AM38468, "Antibodies as probes in the study of the AVP  
receptor", 08/01/86-07/31/91.

Principal Investigator on Section # 5, NIH Program Project  
Grant 2 RO1 DK19928-11A2, "Characterization and  
Purification of the AVP Receptors". 12/1/88-11/30/93.

VA Merit Review Grant: "The Kinetics of Adenylyl Cyclase  
and Vasopressin Binding", 1994-1998.

**HOSPITAL AFFILIATIONS:**

Tampa General Hospital  
2 Tampa General Circle  
2000 – present

H. Lee Moffitt Cancer Center  
13,000 Magnolia Drive, Tampa, FL 33602  
2000 – present

## PUBLICATIONS:

### Original Articles:

1. Durr JA, Simon CA, Vallotton MB, Krahenbuhl B: Non-invasive method for measuring central venous pressure. *Lancet* 2:586-587, 1978
2. Durr JA, Favre L, Gaillard R, Riondel AM, Vallotton MB: Mineralocorticoid escape in man: role of prostaglandines. *Acta Endocrinologica* 99:474-480, 1982
3. Biollaz J, Durr JA, Brunner HR, Porchet M, Gavras H: Escape from mineralocorticoid excess: the role of Angiotensin II. *J Clin Endocrin and Metab*, 54:1187-1193, 1982.
4. Durr JA, Stamoutsos BA, Lindheimer MD: Osmoregulation during pregnancy in the rat: evidence for resetting of the threshold for vasopressin secretion during gestation. *J Clin Invest.* 68:337-346, 1981.
5. Durr, JA, Karakash C, Vallotton MB, Jeanrenaud B: Abnormal water turnover associated with hypothalamic obesity. *Endocrinology* 108:1228-1232, 1981.
6. Durr, JA, Glasson P, Maron H, Vallotton MB, Dray F: Radioimmunoassay for urinary prostaglandins PGE and PGF. *Kidney Int* 15:584, 1979.
7. Durr, JA, Stamoutsos BA, Barron WM, Lindheimer MD: Osmoregulation in the pregnant Brattleboro rat. *Ann NY Acad Sci* 394: 481-490, 1982.
8. Davison JM, Gilmore EA, Durr JA, Robertson GL, Lindheimer MD: Altered osmotic threshold for vasopressin secretion and thirst in human pregnancy. *Am J Physiol.* 246:F105-109, 1984.
9. Barron WE, Durr JA, Stamoutsos BA and Lindheimer MD: Osmo-regulation and vasopressin secretion during pregnancy in Brattleboro rats. *Am J Physiol.* 248:R29-37, 1985.
10. Lindheimer MD, Barron WE, Durr JA and Davison JM: Osmolalité et sécretion de vasopressine pendant la grossesse In: *Actualités nephrologiques de l'Hopital Necker*, 1985.

11. Lindheimer MD, Barron WE, Durr JA and Davison JM: Water homeostasis and vasopressin secretion during gestation. In: *Advances in Nephrology* 15:1-24, 1986.
12. Cosby RL, Sophocles AM, Durr JA, Perrinjaquet CL, Yee B, and Schrier RW: Elevated plasma atrial natriuretic factor and vasopressin in high-altitude pulmonary edema. *Annals of Internal Med*, 109:796-799, 1988.
13. Mason PA, Durr JA, Bhaskaran D, and Freed CR: Plasma osmolality predicts extracellular fluid catechol concentrations in the lateral hypothalamus. *J Neurochem* 51:552-560, 1988.
14. Bell PE, Hossack KF, Gabow PA, Durr JA, Johnson AM and Schrier WR: Hypertension in autosomal dominant polycystic kidney disease. *Kidney Int.* 34:683-690, 1988.
15. Kim JK, Summer SN, Durr JA, AND Schrier RW: Enzymatic and binding effects of atrial natriuretic factor in rat glomeruli and nephron segments: Interactions with vasopressin, parathyroid hormone and calcitonine. *Kidney Int.* 35:799-805, 1989.
16. Miller NL, Durr JA, and Alfrey AC: Measurement of endogenous lithium levels in serum and urine by electrothermal atomic absorption spectrometry. A method with potential clinical applications. *Anal Biochem* 182:245-249, 1989.
17. Barron WE, Durr JA, Schrier RW, and Lindheimer MD: Role of hemodynamic factors in the osmoregulatory alterations of rat pregnancy. *Am J Physiol.*, 257:R909-916, 1989.
18. Durr JA, Miller NL and Alfrey AC: The lithium clearance derived from the natural trace blood and urine lithium levels. *Kidney International*, 37:S58-S62, 1990.
19. Durr JA, Hensen J, Sklar AH, El Gammal T, Steinhart CM and Hoffman WH: Osmoregulation of vasopressin in diabetic ketoacidosis. *A J Physiol.*, 259:E723 - E728, 1990.
20. Kim JK, Michel JB, Soubrier F, Durr J, Corvol P, Schrier RW: Arginine vasopressin gene expression in chronic cardiac failure in rats. *Kidney International*, 38(5):818-22, 1990.
21. Henson, J, Abraham, WT, Durr JA, Schrier, RW: Aldosterone in Congestive Heart Failure: Analysis of Determinants and Role in Sodium Retention. *American Journal of Nephrology*, 11:441-446, 1991.

22. Durr JA, Hoffman WH, Sklar AH, EL Gammal T, and Steinhart CM: Correlates of Brain edema in uncontrolled diabetes. *Diabetes*, 41(5):627-32, 1992.
23. Hensen J, Abraham WT, Lesnefsky EJ, Levenson B, Groves BM, Schroder K, Schrier RW and Durr JA: Atrial Natriuretic peptide kinetic studies in patients with cardiac dysfunction. *Kidney International*, 41(5):1333-1339, 1992.
24. Durr JA, Hensen J, and Schrier RW: High specific activity [<sup>125</sup>I]- and [<sup>35</sup>S] labeled vasopressin analogues with high affinity for the V<sub>1</sub> and the V<sub>2</sub> isoreceptors. *J Biol Chem*, 267:18453-18458, 1992.
25. Hocher B, Merker HJ, Durr JA, Schiller S, Gross P, and Hensen J: Internalization of V<sub>2</sub>-vasopressin receptors in LLC-PK<sub>1</sub>-cells: evidence for receptor-mediated endocytosis. *Biochem Biophys Res Commun* 186(3): 1376-1383, 1992.
26. Abraham WT, Hensen J, Kim JK, Durr JA, Lesnefsky EJ, Groves BM, and Schrier RW: Atrial natriuretic peptide and urinary cyclic guanosine monophosphate in patients with chronic heart failure. *J Am Soc Nephrol* 2(12):1697-703, 1992.
27. Durr JA: Determination of specific activity of labeled ligands by nonlinear regression analysis. *Am J Physiol.* 265 (Endocrinol Metab 28): E728-E735, 1993.
28. Sponsel HT, Alfrey AC, Hammond WS, Durr JA, Ray C, and Robertson JA: Effects of iron on renal tubular epithelial cells. *Kidney International* 50:436-444, 1996.
29. Durr JA and Lindheimer MD: Diagnosis and management of diabetes insipidus during pregnancy. *Endocrine Practice* 2:353-361, 1996.
30. Durr JA, Hensen J, Ehnis T, and Blankenship MS: Chlorpropamide upregulates antidiuretic hormone receptors and unmasks constitutive receptor signaling. *Am J Physiol. Renal Physiol.* 278(5):F799-808, 2000.

31. Chen M., Durr J, Fernandez HL: Possible role of calpain in normal processing of beta-amyloid precursor protein in human platelets. *Biolchem Biophys Res Commun* 24;273(1):170-5, 2000.
32. Fernandez HL, Chen M, Nadelhaft I, and Durr J: Calcitonin Gene-related Peptides: Their binding sites and receptor accessory proteins in adult mammalian skeletal muscles. *Neuroscience* 119;335-345, 2003.
33. Targeted tyrosine iodination in a multi-tyrosine vasopressin analog. Durr JA, Blankenship M, Chauhan SS, Pennington MW. *J Pept Sci*. 2007 Nov;13(11):756-61.
34. Discontinuation of Tenofovir Disoproxil Fumarate for Presumed Renal Adverse Events in Treatment-Naïve HIV-1 Patients: Meta-analysis of Randomized Clinical Studies HIV Clinical Trials. Jonathan Winston, MD1; Michel Chonchol, MD2; Joel Gallant, MD, MPH3; Jacques Durr, MD4; R. Brad Canada, MD, MS5; Hui Liu, MD, PhD6; Patty Martin, PharmD6; Kiran Patel, RPh6; Jason Hindman, PharmD, MBA6; David Piontkowsky, JD, Ref.: Ms. No. HCT-D-14-00031R1 MD6. PMID: 254336633
35. Discontinuation of Tenofovir Disoproxil Fumarate for Presumed Renal Adverse Events in Treatment-Naïve HIV-1 Patients: Meta-analysis of Randomized Clinical Studies. Winston J1, Chonchol M2, Gallant J3, Durr J4, Canada RB5, Liu H6, Martin P6, Patel K6, Hindman J6, Piontkowsky D6. *HIV Clin Trials*. 2014 Nov-Dec;15(6):231-45. doi: 10.1310/hct1506-231.PMID: 25433663 [PubMed - in process]
36. Igor Sunjic, Anthony Nguyen, Jacques Durr, Claude Bassil. Dual Paraneoplastic Syndromes in metastatic small cell carcinoma. *British Journal of Renal Medicine*. 21(4), 2016.
37. Durr JA, Motulsky H: The Integrated Rate Equation Describing Hormone-Receptor Binding Kinetics: a tool for the one step calculation of the binding parameters  $k_{on}$ ,  $k_{off}$  and  $B_{max}$ . (Manuscript under review)

### **Book Chapters:**

37. Vallotton MB, Favre L, Glasson P, Durr JA, Bonhomme M, Riodel AM: Renal prostaglandins in human adaptation to modifications of sodium balance. In Dunn MJ, Patrono C, Cinotti G (eds): *Prostaglandins and the Kidney*. New York: Plenum, 1983.

38. Durr JA and Schrier RW: Cardiovascular and hemodynamic effects of arginine vasopressin. In: Brenner BM and Stein JH (eds): *Body Fluid Homeostasis*, In: *Contemporary Issues in Nephrology*, New York: Churchill Livingstone, 1987, pp 131-161.
39. Schrier RW, Kim JK, Meyer-Lehnert H, Durr JA, Yee B, Bell P, Nakamoto M, Chan L, Schapiro JI: Atrial natriuretic factor. In: *Proceedings of 3rd-Asian Pacific Congress of Nephrology*, Singapore, Oct 5-10, 1986.
40. Schrier RW, Kim JK, Durr JA, Cosby RL, Yee B, Groves BM: Role of vasopressin in hyponatremic disorders. In: *Proceedings of 3rd-Asian Pacific Congress of Nephrology*, Oct 5-10, 1986.
41. Schrier RW, Kim JK, Durr JA: Potassium homeostasis in health and disease. In: *Proceedings of 3rd-Asian Pacific Congress in Nephrology*, Oct 5-10, 1986.
42. Meyer-Lehnert H, Durr JA, Kim JK, Schrier RW: Atrial Natriuretic Factor. In: *African Kidney and Electrolytes Conference*, Cairo, Feb 22-27, 1987 (*Journal of the Egyptian Medical Association*).
43. Durr JA: Maternal fluid adaptation to pregnancy. In: *Fetal and Neonatal Body Fluids: The Scientific Basis for Clinical Practice*. R Brace, M Ross and J Robillard (Eds.). Perinatology Press, 1989. Chapter 11, pp 227-270.
44. Durr JA: Diabetes insipidus syndromes in pregnancy. In: *Vasopressin, cellular and integrative functions*. AW Cowley, JF Liard and DA Ausiello (Eds.) Raven Press, 1988.
45. Durr JA, Hensen J, Schrier RW, and Saeid M. The development of radiolabeled vasopressin analogues and their experimental applications. In: *Vasopressin*. P Gross, D Richter, GL Robertson, Eds. John Libbey Eurotext., pp 311-32,1993.
46. Durr JA and Lindheimer MD. Control of Volume and Body Tonicity. In *Chesley's hypertensive disorders in pregnancy*. 2nd ed. M.D. Lindheimer, F.G. Cunningham, and J.M. Roberts, editors. Appleton & Lange. Stamford, CT. 103-166, 1999.
47. Durr JA. On What is "Effective" in "Effective Blood Volume". - A historical review and reappraisal of an old paradigm. In *Chesley's hypertensive disorders in pregnancy*. 2nd ed. M.D. Lindheimer, F.G. Cunningham, and J.M. Roberts, editors. Appleton & Lange.



Stamford, CT. 148-166, 1999.

48. Durr JA, Blankenship M, Chauhan SS, Pennington MW. Targeted tyrosine iodination in a multi-tyrosine vasopressin analog. *J Pept Sci.* 2007 Nov; 13(11):756-61.

**Samples of Presentations at Symposia (abstracts and talks):**

1. Durr JA, Yee B, Miller N, Alfrey AC, and Schrier RW: Fractional excretion of uric acid (FE-UA) and endogenous lithium (FE-Li) in cirrhotic patients (CIR). *KI* 31:198, 1987.
2. Van Benthuyzen Km, Whitman G, Yee B, Cohan A, Ganousis L, and Durr JA: Release of atrial natriuretic peptide following relief of cardiac tamponade. American Heart Ass, 60th Scientific Sessions, Nov 16-19, 1987.
3. Freed CR, Mason PA, and Durr JA: Catecholamine metabolism in the lateral hypothalamus is related to serum osmolality and not to vasopressin secretion. *Clin Res*: 35(1), 182A, 1987.
4. Chu KM, Mason PA, Ganousis LG, Freed CR, Nies AS, and Durr JA: Baseline atrial natriuretic factor (ANF) and vasopressin (AVP) secretion are under blood volume (BV) and osmotic (Posm) control. *Clin Res* 35(3):543A, 1987.
5. Freed CR, Mason PA, and Durr JA: Catecholamine release in the lateral hypothalamus is related plasma osmolality and may affect drinking behavior. ASPET 1987.
6. Mason PA, Chu KM, Freed CR, Bhaskaran D, Ganousis LG, Nies AS, and Durr JA: Influence of acute and chronic changes in blood volume and plasma osmolality on atrial natriuretic factor (ANF) and arginine vasopressin (AVP) concentrations. Soc Neuroscience Abstr, May 1987.
7. Durr JA, Miller NL, Ganousis LG, Alfrey LC, Lindheimer MD and Davison J: Lithium clearance and atrial natriuretic peptide in pregnancy, effect of volume expansion. The American Society of Nephrology, 21st Annual Meeting, December 11-14, 1988, San Antonio, Texas, Abstract 331A.

8. Hensen J, Ehnis T, Klein C, Broser M, Oelkers W, and Durr JA: Does chlorpropamide exert its antidiuretic action by receptor events? Acta Endocrinol 126 (Suppl. 4), 141, 1992
9. Riley DJ, Kasinath BS and Durr JA. Transient diabetes insipidus (di) and oxytocin resistance associated with increased plasma vasopressinase activity, enlarged placenta and chorangiosis in a pregnant patient. American Society of Nephrology, Nov 1996.
10. Durr JA, and Blankenship MS. Suramin is a potent inhibitor of adenylyl cyclase (AC). A Soc. Nephrol. 9: 421a, 1998.
11. Abdulla H, Awwad AI and Durr JA. The effects of natriuretic and vasodilator peptides in ischemic acute renal failure (ARF). J Amer Soc Nephrol, 9: 573A, 1998.
12. Durr JA, Lindheimer MD. Diagnosis and Management of Diabetes Insipidus During Pregnancy. Endocrine Practice. Vol 2, No 5, pp 353-361, Sept-Oct 1996.
13. He S, Rifkin SI, Durr JA. Hemoperfusion (HP) vs Hemodialysis (HD) in case of combined overdose (OD) with acetaminophen and valproic acid (VPA): implications of our findings. National Kidney Foundation Spring Meeting, April 2010 (Poster).
14. Durr JA. Hyponatremia: Etiologies, Clinical Presentations and Therapy. Florida Society of Nephrology Annual Meeting, September 26, 2011.
15. A. Winkler, Claude Bassil, R. Wheeler, R. Ong, E. Doumit, Jacques Durr (2015) Nephrotic Syndrome and Biopsy proven HIVAN/ARF emerged during acute retroviral syndrome in patient with high viral load. ASN Meeting, San Diego 2015

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