

CURRICULUM VITAE

ANDREW S. BREM, M.D.

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EDUCATION

Undergraduate: Case Western Reserve University, Cleveland, Ohio
Chemistry, BA 1970

Medical School: Tufts University, School of Medicine
Boston, Massachusetts
MD 1974

POSTGRADUATE TRAINING

Internship: Maine Medical Center, Dept. of Pediatrics
Portland, Maine, 1974-1975

Residency: Brown University, School of Medicine, Dept. of
Pediatrics, Providence, Rhode Island, 1975-1977

Fellowship: New York Hospital-Cornell University Medical Center,
Division of Pediatric Nephrology and Department of
Physiology, New York, New York, 1977-1979

HONORS AND AWARDS

Alpha Omega Alpha Medical Honor Society, Tufts University School of
Medicine, 1973, Boston, Massachusetts

New York State Kidney Foundation 1977-1979 - Fellowship

Rhode Island Hospital House Officer's Association Teaching Award in
Pediatrics - 1981

American Society of Nephrology 1981 - Travel Award to VIII
International Congress of Nephrology

Honorary Master of Arts Degree - Ad Eundem, Brown University 1989

Gift of Life Medical Award 1996 - National Kidney Foundation,
Massachusetts/Rhode Island Chapter

Selected to be listed for Best Doctors in America - 2003-2007

Brown Medical School Dean's Teaching Excellence Award - 2004, 2007

MILITARY SERVICE

N/A

1990 - 2002 Graduate Medical Education Committee
Rhode Island Hospital

1994 - 1995 Rhode Island Hospital Physician Hospital Organization
(PHO) Executive Board

1998 Ad hoc subcommittee of the Lifespan Educational
Advisory Committee

1998 - 1999 Rhode Island Hospital IPA Contracting Committee

1998 - 2006 Department of Pediatrics Credentialing Committee

1998 - 2008 Department of Pediatrics Promotions Committee

UNIVERSITY COMMITTEES

1983 - 1984 Brown University Medical Library Services Task Force

1983 Advisory Committee for Continuing Medical Education
at Brown University

1996 - 1999 Committee on Medical Faculty Appointments
Brown University (elected)

2002 - 2005 Medical Faculty Executive Committee (elected)
Vice chair 2002-2003; Chair 2003-2004; Past chair
2004-2005

2004 - 2005 Medical School representative to the Brown (campus)
Faculty Executive Committee

OUTSIDE COMMITTEES/APPOINTMENTS

1982 - 1992 End Stage Renal Disease Network, Network 28
Medical Review Board, Chairman 1986-1992

1989 - 2011 End Stage Renal Disease Network 1, Board of
Directors/Medical Review Board (MRB chairman 2007-
2009)

1983 - 1984 Governor's Ad Hoc Committee on Children's Organ
Transplant Issues

1983 - 1985 National Kidney Foundation, R.I. Chapter (Executive
Board)

1991 - 1999 Coordinator, Problems in Pediatrics course - Colby
College

1997 Ad hoc reviewer for Human Embryology and Development
Study Section - 2, National Institutes of Health

1998 Reviewer for the American Heart Association Northeast
Affiliate Consortium grant research applications

1998 Medical Advisory Board, United Health Care of New England

2000 - 2008 Physician Consultant, The Center for Health Dispute Resolution, New York

2000 - 2008 Consultant to Cardiovascular-Renal Drugs Advisory Committee, Food and Drug Administration, Rockville, MD

2001 - 2006 Forum of ESRD Networks: Pediatric Clinical Performance Measures Sub-committee, Baltimore, MD

2003 - 2005 Consultant to Fresenius Medical Care (Medical Director for peritoneal dialysis in the Rhode Island units)

2006 - 2008 Member of the American Academy of Pediatrics executive committee for the Section on Nephrology

2008 - 2011 Consultant to Genzyme Corporation (Pharmacovigilance). Cambridge, Massachusetts

JOURNAL REVIEWER Journal of Pediatrics, Pediatrics, Pediatric Nephrology, American Journal of Physiology (Renal, Fluid, Electrolyte) and (Gastrointestinal and Liver Physiology), Hypertension, Pediatric Research, Biology of the Neonate, Transplantation, American Journal of Kidney Diseases, American Journal of Hypertension, Circulation, Nephrology Dialysis Transplantation

MEMBERSHIP IN SOCIETIES

1973 - present Alpha Omega Alpha Honor Medical Society

1978 - present American Society of Pediatric Nephrology (Audit Committee 1983-1984) (Governing Councilor 1991-1995)

1979 - 2010 International Society of Nephrology

1979 - 2008 Fellow of the American Academy of Pediatrics

1979 - present American Society of Nephrology

1980 - 1999 American Federation for Clinical Research

1980 - 2001 New York Academy of Science

1986 - 2008 Society for Pediatric Research

1995 - 2008 American Pediatric Society

PUBLICATIONS

1. Brem, A.S., Martin, H., Stern, L.: Toxicity from tea ingestion in an infant. A computer simulation analysis. *Clinical Biochemistry* 10:148-150, 1977.
2. Krieger, J.N., Brem, A.S., Kaplan, M.R.: Urinary tract infection in pediatric renal transplantation. *Urology* 15:362-369, 1980.
3. Taylor, A.G., Eich, E., Pearl, M., and Brem, A.S.: Role of cytosolic Ca and Na-Ca exchange in the action of vasopressin. In *Hormonal Control of Epithelial Transport* Inserm Publisher Paris 85:167-174, 1979.
4. Brem, A.S.: Neonatal hematuria and proteinuria. *Clinics in Perinatology* 8:321-332, 1981.
5. Brem, A.S., Wesselhoeft, C.W., and O'Shea, P: Absence of the inferior vena cava associated with an atrophic right kidney and hypertension. *Journal of Urology* 126:539-541, 1981.
6. Chase, G.J., O'Shea, P.A., Collins, E. and Brem, A.S.: Protein-losing enteropathy in systemic lupus erythematosus. *Human Pathology* 13:1053-1055, 1982.
7. Ehrlich, O. and Brem, A.S.: A prospective comparison of urinary tract infections in patients treated with either clean intermittent catheterization or urinary diversion. *Pediatrics* 70:665-669, 1982.
8. Gruppuso, P.A., O'Shea, P.A., Orson, J.M. and Brem, A.S.: Juvenile nephronophthisis with blindness in a three-month-old infant. *Clinical Pediatrics* 22:114-118, 1983.
9. Kenyon, C.J., Brem, A.S., McDermott, M.J., DeConti, G.A., Latif, S.A. and Morris, D.J.: Antinatriuretic and kaliuretic activities of the reduced derivatives of aldosterone. *Endocrinology* 112:1852-1856, 1983.
10. Brem, A.S. and Toscano, A.: Continuous cycling peritoneal dialysis for children: An alternative to hemodialysis treatment. *Pediatrics* 74(2):254-258, 1984.
11. Brem, F.S., Toscano, A.M., and Brem, A.S.: The influence of home dialysis on adolescent psychosocial development. *AANNT Journal* 11:35-39, 1984.
12. Brem, A.S., Eich, E., Pearl, M. and Taylor, A.: Anion transport inhibitors: Effects on water and sodium transport in the toad urinary bladder. *American Journal of Physiology, (Renal Fluid and Electrolyte Physiology)* 17:F594-F601, 1985.
13. Brem, A.S., Cashore, W.J., Tetreault, J., Pacholski, M.A., and Lawler, R.G.: Effects of bilirubin on transepithelial transport of sodium, water, and urea. *Kidney Int* 27:51-57, 1985.

14. Brem, A.S., Pacholski, M. and Lawler, R.G.: Fluctuations in intracellular pH associated with vasopressin stimulation. American Journal of Physiology, (Renal Fluid and Electrolyte Physiology) 20:F897-F903, 1986.
15. Cronan, J.J., Brem, A.S., Dorfman, G.S., Esparza, A. and Endreny, R.G.: Selective percutaneous renal biopsy under CT guidance. Journal of Interventional Radiology 2:15-18, 1987.
16. Morris, D.J., Brem, A.S., Saccoccio, N.A., Pacholski, M.A., and Harnik, M.: Mineralocorticoid activity of 19 Hydroxyaldosterone, 19-Nor-Aldosterone, and 3 β -Hydroxy- Δ 5-Aldosterone: relative potencies measured in two bioassay systems. Endocrinology 118:2505-2509, 1986.
17. Morris, D.J., McDermott, M.J., Freiburger, M., Latif, S.A., Pacholski, M.A., and Brem, A.S.: The effects of antimineralocorticoids on synthesis of aldosterone metabolites in target tissues. Journal Steroid Biochem 24:341-344, 1986.
18. Brem, A.S., Martin, D., Callaghan, J., and Maynard, J.: Long-term renal risk factors in children with meningomyelocele. Journal of Pediatrics 110:51-55, 1987.
19. Steiner, F.T., Brem, A.S., and Peter, G.: Psoas muscle abscess due to Pasteurella Multocida. Journal of Urology 137:487-488, 1987.
20. Morris, D.J. and Brem, A.S.: Metabolic derivatives of aldosterone. American Journal of Physiology, (Renal Fluid and Electrolyte Physiology) 21:F365-F373, 1987.
21. Taylor, A., Eich, E., Pearl, M., Brem, A.S., and Peeper, E.Q.: Cytosolic calcium and the action of vasopressin in toad urinary bladder. American Journal of Physiology, (Renal Fluid and Electrolyte Physiology) 21:F1028-F1041, 1987
22. Brem, A.S., Brem, F.S., McGrath, M., Spirito, A.: Psychosocial characteristics and coping skills in children maintained on chronic dialysis. Pediatric Nephrology 2:460-465, 1988.
23. Brem, A.S., Pacholski, M., and Morris, D.J. Time dependent aldosterone metabolism in the toad urinary bladder. American Journal of Physiology, (Renal Fluid and Electrolyte Physiology) 254:F547-F553, 1988.
24. Brem, A.S., Singer, D., Lester, B., Anderson, L., Abuelo, J.G.: Infants of azotemic mothers: A report of three live births. Am J Kidney Diseases 12:299-303, 1988.
25. Padilla, R. and Brem, A.S.: Linear growth in children with nephrotic syndrome: Effect of alkylating agents. Pediatrics 84:495-499, 1989.
26. Brem, A.S., DiMario, C., and Levy, D.L.: Perceived aluminum-related disease in a dialysis population: A report from the End-Stage Renal Disease Network 28. Archives of Internal Medicine. 149:2541-2544, 1989.

27. Brem, A.S., Matheson, K.L., Conca, T., and Morris, D.J.: Effect of carbenoxolone on glucocorticoid metabolism and Na transport in toad bladder. *American Journal of Physiology, (Renal Fluid and Electrolyte Physiology)* 257:F700-F704, 1989.
28. Brem, A.S.: Disorders of potassium homeostasis. *Pediatric Clinics of North America* 37:419-427, 1990.
29. Brem, A.S., Matheson, K.L., Pacholski, M., Inman, K., and Lawler, R.: Changes in intracellular sodium during the hydroosmotic response to vasopressin. *Kidney Int.* 40:606-611, 1991.
30. Brem, A.S., Oyer, C.E., and Noto, R.B.: Progressive hypertension associated with hypokalemic alkalosis. *Journal of Pediatrics* 118:479-484, 1991.
31. Dobkin, S.F., Brem, A.S., and Caldamone, A.A.: Primary renal lymphoma. *J Urol.* 146:1588-1590, 1991.
32. Brem, A.S., Matheson, K.L., Barnes, J.L., and Morris, D.J.: 11-dehydrocorticosterone, a glucocorticoid metabolite, inhibits aldosterone action in toad bladder. *American Journal of Physiology, (Renal Fluid and Electrolyte Physiology)* 301:F873-F879, 1991.
33. Pueschel, S.M., Brem, A.S., and Nittoli, P.: Central nervous system and renal investigations in patients with Lowe syndrome. *Child's Nerv Syst* 8:45-48, 1992.
34. Brem, A.S.: Electrolyte disorders associated with respiratory distress syndrome and bronchopulmonary dysplasia. *Clinics in Perinatology* 19:223-232, 1992.
35. Brem, A.S., Matheson, K.L., Morris, D.J.: Effect of carbenoxolone sodium on steroid-induced sodium transport in the toad bladder: Further studies. *J Steroid Biochemistry Molecular Biology* 42:911-914, 1992.
36. Brem, A.S., Matheson K.L., Latif S., Morris, D.J.: Activity of 11 β -hydroxysteroid dehydrogenase in toad bladder: Effects of 11-dehydrocorticosterone. *American Journal of Physiology, (Renal Fluid and Electrolyte Physiology)* 33:F854-F858, 1993.
37. Brem, A.S., Morris, D.J.: Interactions between glucocorticoids and mineralocorticoids in the regulation of renal electrolyte transport. *Molecular and Cellular Endocrinology* 97:C1-C5, 1993.
38. Brem, A.S., Bina, R.B., Matheson, K.L., Barnes, D.J., and Morris, D.J.: Developmental changes in rat renal 11 β -hydroxysteroid dehydrogenase. *Kidney Int.* 45:679-683, 1994.
39. Brem, A.S., Bina, R. B., King, T., Morris, D.J.: Bidirectional activity of 11 β -hydroxysteroid dehydrogenase in vascular smooth muscle cells. *Steroids* 60:406-410, 1995.
40. Brem, A.S., Bina, R.B., Klinger, J.R., King, T., and Werner, J.C.: Glucocorticoid Metabolism in the Newborn Rat Heart. *Proc Soc Exp Biol Med* 209:146-151, 1995.

41. Brem, A.S., Bina, R.B., Hill, N., Alia, C., and Morris, D.J.: Effects of licorice derivatives on vascular smooth muscle function. *Life Sciences* 60:207-214, 1996.
42. Brem A.S., Bina, R.B., King, T., Chobanian, M.C., Morris, D.J.: Influence of dietary sodium on the renal isoforms of 11 beta-hydroxysteroid dehydrogenase. *Proc Soc Exp Biol Med* 214:340-5, 1997.
43. Brem, A.S., Maaz, D., Shemin, D.G., and Wolfson, M.: Effects of amino acid peritoneal dialysate on a child with chronic renal failure. *Peritoneal Dialysis International* 16: 634-641, 1996.
44. Lo, Y.H., Sheff, M.F., Latif, S.A., Ribeiro, C., Silver, H., Brem, A.S., and Morris, D.J.: Kidney 11 β -HSD2 is inhibited by glycyrrhetic acid-like factors (GALFS) in human urine. *Hypertension* 29: 500-505, 1997.
45. Brem, A.S. Bina, R.B., King, T., and Morris, D.J.: 11 β OH-Progesterone affects vascular glucocorticoid metabolism and contractile response. *Hypertension* 30:449-454, 1997.
46. Simon, D.B., Bindra, R.J., Nelson-Williams, C., Mansfield, T.A., Mendonca, E., Stone, R., Schurman, S., Nayir, A., Alpay, H., Bakkaloglu, A. Rodriguez-Soriano, J., Morales, J.M., Sanjad, S.A., Taylor, M., Pilz, D., Brem, A., Trachtman, H., Griswold, W., Richard, G.A., John, E., Lifton, R.P. Mutations in the chloride channel ClC-Kb cause Bartter's syndrome type III. *Nature Genetics* 17:171-178, 1997.
47. Bina, R.B., Hill, N., and Brem, A.S.: Effect of serum on vascular smooth muscle function. *Life Sciences* 62:1195-1201, 1998.
48. Brem, A.S., Bina, R.B., King, T., and Morris, D.J.: Localization of 2 11 β -OH steroid dehydrogenase isoforms in aortic endothelial cells. *Hypertension* 31(2):459-462, 1998.
49. Ingelfinger, J.R., Jung, F., Diamant, D., Haveran, L., Lee, E., Bachinsky, D., Brem, A.S., and Tang, S.S. Rat proximal tubule cell line transformed with origin-defective SV40 DNA: Autocrine angiotensin II feedback. *American Journal of Physiology, (Renal Fluid and Electrolyte Physiology* 45) 276(2 Pt 2):F218-227, 1999.
50. Brem, A.S., Bina, R.B., Fitzpatrick, C., King, T., and Ingelfinger, J.R.: Glucocorticoid metabolism in proximal tubules modulates angiotensin II induced electrolyte transport. *Proc Soc Exp Biol Med* 221:111-117, 1999.
51. Brem, A.S., Bina, R.B., Mehta, S., and Marshall J. Glucocorticoids inhibit the expression of calcium-dependent potassium channels in vascular smooth muscle. *Mol. Genet. Metab.* 67:53-57, 1999.
52. Lessin, M.S., Luks, F.I., Brem, A.S., and Wesselhoeft, C.W. Primary laparoscopic placement of peritoneal dialysis catheters in children and young adults. *Surg. Endosc.* 13:1165-1167, 1999.

53. Morris, D.J., Souness, G.W., Brem, A.S. and Oblin, M.E. Interactions of mineralocorticoids and glucocorticoids in epithelial tissues. *Kidney International*, 57:1370-1373, 2000.
54. Brem, A.S., Lambert C., Hill, C., Kitsen J., and Shemin, D.G. Outcome data on pediatric dialysis patients from the ESRD clinical indicators project. *American Journal Kidney Disease* 36:310-317, 2000.
55. Brem, A.S. Insights into glucocorticoid-associated hypertension. *American Journal Kidney Disease*, 37:1-10, 2001.
56. Brem, A.S., Lambert C., Hill, C., Kitsen J., and Shemin, D.G. Clinical morbidity in pediatric dialysis patients: Data from the Network 1 Clinical Indicators Project. *Pediatric Nephrology* 16:854-857, 2001.
57. Souness, G.W., Brem, A.S. and Morris, D.J.. 11 β -HSD Antisense Affects Vascular Contractile Response and Glucocorticoid Metabolism. *Steroids* 67:195-201, 2002.
58. Brem, A.S., Lambert C., Hill, C., Kitsen J., and Shemin, D.G. Prevalence of protein malnutrition in children maintained on peritoneal dialysis. *Pediatric Nephrology* 17:527-530, 2002.
59. Neu, A.M., Fivush, B.A., Warady, B.A., Watkins, S.L., Friedman, A.L. Brem, A.S., Goldstein, S., and Frankenfield, D.L. Longitudinal analysis of adolescent hemodialysis patients: Results from the 2001 ESRD Clinical Performance Measures (CPM) Project. *Pediatric Nephrology* 18:1172-1176, 2003.
60. Morris, D.J., Brem, A.S., Ge, R., Jellinck, P.H., Sakai, R.R., and Hardy, M.P. The functional roles of 11 β -HSD1: Vascular tissue, testis and brain. *Molecular Cellular Endocrinology* 203: 1-12, 2003.
61. Frankenfield, D.L., Neu, A.M., Warady, B.A., Fivush B. A., Johnson, C.A. and Brem, A.S. Anemia in pediatric hemodialysis patients: Results from the 2001 ESRD CPM Project. *Kidney International* 64:1120-1124, 2003.
62. Morris, D.J. Souness, G.W., Latif, S.A., Hardy, M.P., and Brem, A.S. Effect of CDCA on 11 β -HSD in vascular and other tissues. *Metabolism* 53:811-816, 2004.
63. Brem, A.S., Lambert, C., Kitsen, J., Somers, M., and Shemin, D.G. Chronic dialysis and access related morbidities in children. *Dialysis and Transplantation* 34:278-289, 2005.
64. Neu, A.M. Bedinger, M., Fivush, B.A., Warady, B.A., Watkins, S.L., Friedman, A.L., Brem, A.S., Goldstein, S.L., and Frankenfield, D.L. Growth in adolescent hemodialysis patients - Longitudinal data from the Centers for Medicare & Medicaid Services End-Stage Renal Disease Clinical Performance Measures Project. *Pediatric Nephrology* 20:1156-1160, 2005.

65. Gorman, G., Fivush, B., Frankenfield, D., Warady, B., Watkins, S., Brem, A. Neu. Factors contributing to growth hormone use in short stature pediatric hemodialysis patients. *Pediatric Nephrology* 20:1794-1800, 2005.
66. Gautam, A, Morrissey, P.E., Brem, A.S., Fischer, S.A., Gohh, R.Y., Yango, A.F. and Monaco, A.P. Use of an immune function assay to monitor immunosuppression for treatment of post transplant lymphoproliferative disorder. *Pediatric Transplantation* 10:613-616, 2006.
67. Goldstein, S.L., Brem, A.S., Warady, B., Fivush, B., and Frankenfield, D. Comparison of single pool and equilibrated Kt/V values for pediatric hemodialysis prescription management: Analysis from the Centers for Medicare & Medicaid Services Clinical Performance Measures Project. *Pediatric Nephrology* 21:1161-1166, 2006.
68. Morris, D.J., Latif, S.A., Hardy, M.P., and Brem, A.S. Endogenous inhibitors (GALFs) of 11 β -Hydroxysteroid Dehydrogenase isoforms 1 and 2; derivatives of adrenally produced corticosterone and cortisol. *Journal of Steroid Biochemistry*. 117:161-168, 2007.
69. Gong, R., Morris, D.J. and Brem, A.S. Variable Expression of 11 β -Hydroxysteroid Dehydrogenase (11 β -HSD) Isoforms in Vascular Endothelial Cells. *Steroids* 73:1187-1196, 2008.
70. Gong, R., Morris, D.J. and Brem, A.S. 11 β -Hydroxysteroid Dehydrogenase (11 β -HSD1 and 11 β -HSD2) in Human Kidney: 11 β -HSD1 Co-Localizes with COX-2. *Life Sciences* 82:631-637, 2008.
71. Morris, D.J., Latif, S.A., Lo, Y.H., Abrampah, K., Brem, A.S., Lichtfield, R.W., and Williams, G.H. Correlation of Glycyrrhetic Acid – Like Factors (Kidney 11 β -HSD2-GALFs) with Urinary Free Cortisol and Plasma Renin Activity in Essential Hypertension. *Journal of the American Society of Hypertension* 2(4):286-293, 2008.
72. Morris, D.J., Latif, S.A., and Brem A.S. Interactions of mineralocorticoids and glucocorticoids in epithelial target tissues revisited. *Steroids* 74:1-6, 2009.
73. Brem, A.S., Gong, R., Latif, S.A., and Morris D.J. Co-localization of glucocorticoid metabolizing and prostaglandin synthesizing enzymes in rat kidney and liver. *Life Sciences* 83:725-731, 2008.
74. Brem, A.S. The Janus Effect: Two Faces of Aldosterone. *Kidney International* 75: 137-139, 2009.
75. Brem, A.S., Morris, D.J., Ge, Y., Dworkin, L., Tolbert, E. and Gong, R. Direct fibrogenic effects of Aldosterone on normotensive kidney: an effect modified by 11 β -HSD activity. *American Journal of Physiology Renal Physiology* 298:F1178-F1187, 2010.
76. Brem, A.S., Morris, D.J. and Gong R. Aldosterone induced fibrosis in the kidney: Questions and controversies. *American Journal of Kidney Diseases* 58:471-479, 2011.

77. Brem, A.S. Targeting the activated mineralocorticoid receptor: Occam's razor revisited. *Kidney Int.* 82:619-620, 2012.
78. Brem, A.S., Morris, D.J., Li, X., Ge, Y., Shaw S. and Gong, R. Adrenalectomy Amplifies Aldosterone Induced Injury in Cardiovascular Tissue: An Effect Attenuated by Adrenally Derived Steroids. *Steroids* 78:347-355, 2013.
79. Morris, D.J., Latif, S.A. and Brem, A.S. An alternative explanation of hypertension associated with 17 α Hydroxylase Deficiency Syndrome. *Steroids* 79:44-48, 2014.
80. Brem, A.S. and Gong, R. Therapeutic targeting of aldosterone: a novel approach to the treatment of glomerular disease. *Clinical Science* 128:527-535, 2015.

OTHER PUBLICATIONS

1. Brem, A.S., and Haddow, J.: Hypothyroidism in infancy. *Journal of the Maine Medical Association* 67:1-5, 1976.
2. Brem, A.S., and Lewy, J.E.: Neonatal hematuria. *Perinatal Care* 2:42-47, 1978.
3. Brem, A.S. and Abuelo, J.G.: Pediatric nephrology in Rhode Island: Experience of the child development center renal clinic. *Rhode Island Medical Journal* 63:337-341, 1980.
4. Brem, A.S. and Singer, D.B.: Asphyxic disease of the neonatal kidneys. *Rhode Island Medical Journal* 65:283-286, 1982.
5. Brem, A.S.: Complications of CAPD/CCPD in Pediatric Patients. In: Andreucci, V., Fine, R., eds.: *CAPD/CCPD in Children - Topics in Renal Medical Disease*, Boston: Martinus Nijhoff Publishing, pg. 179-188, 1987.
6. Brem, A.S. Tonicity Disorders. In: Abuelo, J.G., ed., *Renal Pathophysiology: The Essentials*. Baltimore: Williams and Wilkins, Cptr 3, pg. 58-78, 1989.
7. Brem, A.S.: An Overview of Renal Structure and Function. In: Fuhrman, B.P., Zimmerman, J.J., eds.: *Pediatric Critical Care*, St. Louis, Mosby-Year Book, Inc., Cptr 59, pg. 659-669, 1992.
8. Brem, A.S.: Practical Approach to Hypertension in Children and Adolescents. *Rhode Island Medicine* 76:229-231, 1993.
9. Brem, A.S.: Cortical scintigraphy in the evaluation of urinary tract infections. *J Pediat.* 125:334, 1994 (Letter to Editor).
10. Brem, A.S.: The Neurogenic Bladder. In: Burg, F.D., Ingelfinger, J.R., Wald, E.R., Polin, R.A., eds.: *Gellis and Kagan's Current Pediatric Therapy 15th Edition*, Philadelphia, W.B. Saunders Company, Cptr 12, pg 413-414, 1996.
11. Brem, A.S.: An Overview of Renal Structure and Function. In: Fuhrman, B.P., Zimmerman, J.J., eds.: *Pediatric Critical Care -*

Second Edition, St. Louis, Mosby-Year Book, Inc., Cptr 59, pg. 692-702, 1998.

12. Morris, D.J. and Brem, A.S.: Mineralocorticoids and Hypertension. In: Encyclopedia of Hormones. San Diego, Ca. Academic Press, pg 700-704, 2003.
13. Brem, A.S.: Conflicts, controversy, and constants: The Flux of American Medicine. Brown University Faculty Bulletin 5:17-18, 2004.
14. Faizan, M.K. and Brem, A.S. Pediatric Renal Transplantation - Historical and Current Perspectives. Rhode Island Medicine 90:78-79, 2007.

ABSTRACTS

1. Brem, A.S., Martin, H., Stern, L.: Toxicity from tea ingestion in an infant: A computer simulation analysis. Pediatric Research 11:414, 1977.
2. Brem, A.S., Krieger, J.N., Kaplan, M.R.: Urinary tract infections in pediatric renal allograft recipients. Pediatric Research 14:510, 1979.
3. Brem, A.S. and Taylor, A.: Effect of pH on cAMP-induced water movement in the toad bladder. Kidney Int 16:807, 1979.
4. Brem, A., Tetreault, J., Eich, E. and Taylor, A.: Intracellular pH and vasopressin response in toad bladder. Federation Proceedings 39:4264, 1980.
5. Brem, A.S., Abuelo, J.G. and Esparza, A.R.: Childhood nephrotic syndrome with mesangial proliferation and IgM deposits. Pediatric Research 14:617, 1980.
6. Taylor, A., Eich, E., and Brem, A.: Intracellular pH and hydro-osmotic response to vasopressin in toad urinary bladder. Presented at the 28th International Congress of Physiological Sciences, Budapest, Hungary, July 1980.
7. Brem, A.S., Tetreault, J., Clark, D., and Taylor, A.G.: Effect of vasopressin on intracellular pH in the toad bladder. Kidney International 19:234, 1981.
8. Ehrlich, O. and Brem, A.S.: A prospective comparison of urinary tract infections in patients treated with either clean intermittent catheterization or urinary diversion. Pediatric Research 15:692, 1981.
9. Brem, A.S. and Tetreault, J.: Effect of anion transport inhibitors on pH in the toad bladder. Clinical Research 29:457A, 1981.
10. Brem, A.S., Tetreault, J. and Taylor, A.G.: Vasopressin induced changes in intracellular pH in toad bladder epithelial cells. VIII International Congress of Nephrology, pg 25, 1981.

11. Brem, A.S., Tetreault, J. and Pacholski, M.A.: Hormone induced changes in pH in the toad bladder correlate with water flow. *Kidney Int.* 21:269, 1982.
12. Brem, A.S., Tetreault, J., Pacholski, M.A. and Cashore, W.: Effect of bilirubin on transepithelial Na transport. *Pediatric Research* 16:319A, 1982.
13. Brem, A.S., Pacholski, M.A., Kenyon, C.J., and Morris, D.J.: Effect of reduced aldosterone metabolites in the toad bladder. *Kidney Int.* 23:275, 1983.
14. Brem, A.S. and Pacholski, M.A.: Acute changes in intracellular pH (pHi) following exposure to ADH. *Clinical Research* 31:425A, 1983.
15. Brem, A.S., Pacholski, M.A. and Cashore, W.: Bilirubin: Effect on urea and water flow. *Pediatric Research* 18:358A, 1984.
16. Brem, A.S., Pacholski, M.A. and Morris, D.J.: Synthesis and activity of reduced aldosterone metabolites in the toad bladder. IX International Congress of Nephrology, June 1984, pg 365A.
17. DiSciullo, S.O., Abuelo, J.G., Cameron, K., Brem, A.S., and Pezzullo, J.C.: Heavy IgM serum levels in IgM nephropathy. IX International Congress of Nephrology, June 1984, pg 277A.
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