




## Laura K. Bachrach

Professor of Pediatrics (Endocrinology) at the Lucile Salter Packard Children's Hospital  
Pediatrics - Endocrinology and Diabetes

 NIH Biosketch available Online

 Curriculum Vitae available Online

### CLINICAL OFFICES

- **Medicine Specialties Clinic**

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### Bio

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#### BIO

Dr. Bachrach is a pediatric endocrinologist with a particular interest in thyroid disorders, growth, puberty, and pediatric bone health and osteoporosis. She is active in clinical practice, medical education, and clinical research related to early bone fragility.

#### CLINICAL FOCUS

- Endocrinology/Diabetes, Pediatric
- Pediatrics
- osteoporosis

#### ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Pediatrics - Endocrinology and Diabetes
- Member, Maternal & Child Health Research Institute (MCHRI)

#### HONORS AND AWARDS

- Member, Alpha Omega Alpha (1976)
- Member, Phi Beta Kappa (1970)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Endocrine Society (1999 - present)
- Member, American Society of Bone and Mineral Research (1999 - present)
- Member, American Academy of Pediatrics (2000 - present)
- member, Pediatric Endocrine Society (2000 - present)

#### PROFESSIONAL EDUCATION

- Residency: Stanford University Pediatric Residency (1979) CA
- Residency: UCSF Pediatric Residency (1978) CA

- Internship: UCSF Pediatric Residency (1977) CA
- Medical Education: Tufts University School of Medicine Office of the Registrar (1976) MA
- Board Certification: Pediatric Endocrinology, American Board of Pediatrics (1995)
- Board Certification: Pediatrics, American Board of Pediatrics (1981)
- Fellowship: Hospital for Sick Children (1982) Canada
- BA, Harvard University , Social Science (1970)
- MD, Tufts School of Medicine (1976)

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Prevention of osteoporosis begins in childhood and adolescence by optimizing acquisition of bone mineral during the critical adolescent years. Body mass, calcium nutrition, physical activity, growth and sex steroid hormones, and genetic factors are all thought to be important determinants of bone mass although the relative contribution of each remains controversial. My research interests are directed at the process of bone mineral acquisition during childhood in healthy young people and patients with disorders that place them at risk for premature osteoporosis. I am also exploring the optimal therapies for children with bone fragility. Finally, I have been comparing the value of newer non-invasive methods for assessing bone fragility in the pediatric population.

### CLINICAL TRIALS

- Effect of Vitamin D Supplementation on Inflammation and Cardiometabolic Risk Factors in Obese Adolescents, Not Recruiting

## Publications

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### PUBLICATIONS

- **Team Approach: Bone Health in Children and Adolescents.** *JBJS reviews*  
Kraus, E., Bachrach, L. K., Grover, M.  
2018
- **The Golden Ticket Project for peer recognition.** *The clinical teacher*  
Gribben, V., Bogetz, A., Bachrach, L., Blankenburg, R.  
2018
- **A Case Report of Hypoglycemia and Hypogammaglobulinemia: DAVID syndrome in a patient with a novel NFKB2 mutation.** *journal of clinical endocrinology and metabolism*  
Lal, R. A., Bachrach, L. K., Hoffman, A. R., Inlora, J., Rego, S., Snyder, M. P., Lewis, D. B.  
2017
- **Tumor-induced Osteomalacia in a 3-Year-Old With Unresectable Central Giant Cell Lesions** *JOURNAL OF PEDIATRIC HEMATOLOGY ONCOLOGY*  
Crossen, S. S., Zambrano, E., Newman, B., Bernstein, J. A., Messner, A. H., Bachrach, L. K., Twist, C. J.  
2017; 39 (1): E21-E24
- **LEG LEAN MASS IS CORRELATED WITH BONE MINERAL DENSITY IN CHILDREN AND ADOLESCENTS WITH TYPE 1 DIABETES**  
Seeley, H., Long, J., Bachrach, L., Wilson, D. M., Leonard, M.  
KARGER.2017: 418
- **Osteoporosis in Children with Chronic Illnesses: Diagnosis, Monitoring, and Treatment.** *Current osteoporosis reports*  
Grover, M., Bachrach, L. K.  
2017
- **Controlled Pilot Study of High-Impact Low-Frequency Exercise on Bone Loss and Vital-Sign Stabilization in Adolescents With Eating Disorders.** *journal of adolescent health*  
Martin, S. P., Bachrach, L. K., Golden, N. H.  
2017; 60 (1): 33-37

- **Tumor-induced Osteomalacia in a 3-Year-Old With Unresectable Central Giant Cell Lesions.** *Journal of pediatric hematology/oncology*  
Crossen, S. S., Zambrano, E., Newman, B., Bernstein, J. A., Messner, A. H., Bachrach, L. K., Twist, C. J.  
2016: -?
- **The Determinants of Peak Bone Mass.** *journal of pediatrics*  
Gordon, C. M., Zemel, B. S., Wren, T. A., Leonard, M. B., Bachrach, L. K., Rauch, F., Gilsanz, V., Rosen, C. J., Winer, K. K.  
2016
- **ASSESSMENT OF SEX DIFFERENCES IN BONE DEFICITS AMONG ADOLESCENTS WITH ANOREXIA NERVOSA**  
Nagata, J. M., Golden, N. H., Peebles, R., Bachrach, L. K., Long, J., Chang, A. O., Carlson, J. L.  
ELSEVIER SCIENCE INC.2016: S11
- **A Multifaceted Mentoring Program for Junior Faculty in Academic Pediatrics** *TEACHING AND LEARNING IN MEDICINE*  
Chen, M. M., Sandborg, C. I., Hudgins, L., Sanford, R., Bachrach, L. K.  
2016; 28 (3): 320-328
- **Large Doses of Vitamin D Fail to Increase 25-Hydroxyvitamin D Levels or to Alter Cardiovascular Risk Factors in Obese Adolescents: A Pilot Study.** *journal of adolescent health*  
Shah, S., Wilson, D. M., Bachrach, L. K.  
2015; 57 (1): 19-23
- **Primary ovarian insufficiency in adolescents: a case series.** *International journal of pediatric endocrinology*  
Pederson, J., Kumar, R. B., Adams Hillard, P. J., Bachrach, L. K.  
2015; 2015 (1): 13-?
- **Primary ovarian insufficiency in adolescents: a case series.** *International journal of pediatric endocrinology*  
Pederson, J., Kumar, R. B., Adams Hillard, P. J., Bachrach, L. K.  
2015; 2015 (1): 13-?
- **Diagnosis and treatment of pediatric osteoporosis** *CURRENT OPINION IN ENDOCRINOLOGY DIABETES AND OBESITY*  
Bachrach, L. K.  
2014; 21 (6): 454-460
- **Dual-Energy X-Ray Absorptiometry Interpretation and Reporting in Children and Adolescents: The Revised 2013 ISCD Pediatric Official Positions** *JOURNAL OF CLINICAL DENSITOMETRY*  
Crabtree, N. J., Arabi, A., Bachrach, L. K., Fewtrell, M., Fuleihan, G. E., Kecskemethy, H. H., Jaworski, M., Gordon, C. M.  
2014; 17 (2): 225-242
- **Burnout in pediatric residents over a 2-year period: a longitudinal study.** *Academic pediatrics*  
Pantaleoni, J. L., Augustine, E. M., Sourkes, B. M., Bachrach, L. K.  
2014; 14 (2): 167-172
- **Burnout in pediatric residents over a 2-year period: a longitudinal study.** *Academic pediatrics*  
Pantaleoni, J. L., Augustine, E. M., Sourkes, B. M., Bachrach, L. K.  
2014; 14 (2): 167-172
- **Dual-energy X-ray absorptiometry interpretation and reporting in children and adolescents: the revised 2013 ISCD Pediatric Official Positions. International Society for Clinical Densitometry.** *J Clin Densitom.* 2014;17:225-42. *Journal of Clinical Densitometry*  
Crabtree, N. J., Arabi, A., Bachrach, L. K., El-Haff Fuleihan, G., Kecskemethy, H. H., Jaworski, M., Gordon, C. M.  
2014; 17: 225-242
- **Cost-effectiveness of Universal Serologic Screening to Prevent Nontraumatic Hip and Vertebral Fractures in Patients With Celiac Disease.** *Clinical gastroenterology and hepatology*  
Park, K. T., Tsai, R., Wang, L., Khavari, N., Bachrach, L., Bass, D.  
2013; 11 (6): 645-653
- **ENDOCRINE SEQUELAE OF STEM CELL TRANSPLANTATION**  
Barnum, J., Agarwal, R., Bachrach, L.  
WILEY PERIODICALS, INC.2012: 1022-23

- **Non-invasive Techniques for Bone Mass Measurement** *PEDIATRIC BONE: BIOLOGY & DISEASES, 2ND EDITION*  
Leonard, M. B., Bachrach, L. K., Glorieux, F. H., Pettifor, J. M., Juppner, H.  
2012; 309-42
- **Correlates of low bone mass in children with generalized forms of epidermolysis bullosa** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*  
Bruckner, A. L., Bedocs, L. A., Keiser, E., Tang, J. Y., Doernbrack, C., Arbuckle, H. A., Berman, S., Kent, K., Bachrach, L. K.  
2011; 65 (5): 1001-1009
- **Patterns of bone mineral acquisition in children with epidermolysis bullosa: a longitudinal study** *BRITISH JOURNAL OF DERMATOLOGY*  
Fu, T., Lingala, B., Kent, K., Bachrach, L. K., Bruckner, A. L.  
2011; 165 (5): 1081-1086
- **Characterization of low bone mass in young patients with thalassemia by DXA, pQCT and markers of bone turnover** *BONE*  
Fung, E. B., Vichinsky, E. P., Kwiatkowski, J. L., Huang, J., Bachrach, L. K., Sawyer, A. J., Zemel, B. S.  
2011; 48 (6): 1305-1312
- **Bone mineral acquisition is meager in children with epidermolysis bullosa** *71st Annual Meeting of the Society-for-Investigative-Dermatology*  
Fu, T., Kent, K., Bachrach, L. K., Bruckner, A. L.  
NATURE PUBLISHING GROUP.2011: S66-S66
- **Biopsychosocial variables associated with substantial bone mineral density loss during the use of depot medroxyprogesterone acetate in adolescents adolescents who lost 5% or more from baseline vs those who lost less than 5%** *CONTRACEPTION*  
Harel, Z., Wolter, K., Gold, M. A., Cromer, B., Stager, M., Johnson, C. C., Brown, R., Bruner, A., Coupey, S., Hertweck, P., Bone, H., Burkman, R., Nelson, et al  
2010; 82 (6): 503-512
- **Nutritional factors that influence change in bone density and stress fracture risk among young female cross-country runners.** *PM & R : the journal of injury, function, and rehabilitation*  
Nieves, J. W., Melsop, K., Curtis, M., Kelsey, J. L., Bachrach, L. K., Greendale, G., Sowers, M. F., Sainani, K. L.  
2010; 2 (8): 740-750
- **Nutritional Factors That Influence Change in Bone Density and Stress Fracture Risk Among Young Female Cross-Country Runners** *PM&R*  
Nieves, J. W., Melsop, K., Curtis, M., Kelsey, J. L., Bachrach, L. K., Greendale, G., Sowers, M. F., Sainani, K. L.  
2010; 2 (8): 740-750
- **Inadequate Vitamin D Status in Adolescents with Substantial Bone Mineral Density Loss During the Use of Depot Medroxyprogesterone Acetate Injectable Contraceptive: A Pilot Study** *JOURNAL OF PEDIATRIC AND ADOLESCENT GYNECOLOGY*  
Harel, Z., Wolter, K., Gold, M. A., Cromer, B., Bruner, A., Stager, M., Bachrach, L., Hertweck, P., Nelson, A., Nelson, D., Coupey, S., Johnson, C. C., Burkman, et al  
2010; 23 (4): 209-214
- **Recovery of bone mineral density in adolescents following the use of depot medroxyprogesterone acetate contraceptive injections** *CONTRACEPTION*  
Harel, Z., Johnson, C. C., Gold, M. A., Cromer, B., Peterson, E., Burkman, R., Stager, M., Brown, R., Bruner, A., Coupey, S., Hertweck, P., Bone, H., Wolter, et al  
2010; 81 (4): 281-291
- **RECOVERY OF BONE MINERAL DENSITY IN ADOLESCENTS FOLLOWING THE USE OF DEPOT MEDROXYPROGESTERONE ACETATE CONTRACEPTIVE INJECTIONS**  
Harel, Z., Johnson, C. C., Hertweck, P., Bone, H., Wolter, K., Nelson, A., Marshall, S., Bachrach, L. K., Gold, M., Cromer, B., Peterson, E., Burkman, R., Stager, et al  
ELSEVIER SCIENCE INC.2010: S54-S54
- **Nutritional Factors that Influence Change in Bone Density and Stress Fracture Risk Among Young Female Cross-County Runners** *7th International Symposium on Nutritional Aspects of Osteoporosis*  
Nieves, J. W., Melsop, K., Curtis, M., Cobb, K. L., Kelsey, J. L., Bachrach, L. K., Greendale, G., Sowers, M.  
SPRINGER-VERLAG BERLIN.2010: 145-147
- **International longitudinal pediatric reference standards for bone mineral content** *BONE*  
Baxter-Jones, A. D., Burrows, M., Bachrach, L. K., Lloyd, T., Petit, M., MacDonald, H., Mirwald, R. L., Bailey, D., McKay, H.  
2010; 46 (1): 208-216
- **Clinical Review: Bisphosphonate Use in Childhood Osteoporosis** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
Bachrach, L. K., Ward, L. M.

2009; 94 (2): 400-409

- **COMPETITIVE SPORTS, EATING BEHAVIORS, AND MENSTRUAL HEALTH IN FEMALE COLLEGE ATHLETES**  
Peebles, R., Bell, K., Carlson, J., Wilson, J., Allison, K., Lock, J., Jacobson, M., Hardy, K., Bachrach, L.  
ELSEVIER SCIENCE INC.2009: S16-S16
- **Use of bone biomarkers as an endpoint in a pediatric study of alendronate** *72nd Annual Scientific Meeting of the American-College-of-Rheumatology/43rd Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*  
von Scheven, E., Gordon, C. M., Wypij, D., Chagomerana, M., Shepherd, J., Wertz, M., Bachrach, L.  
WILEY-BLACKWELL.2008: S721-S722
- **Effect of oral contraceptives on weight and body composition in young female runners** *MEDICINE AND SCIENCE IN SPORTS AND EXERCISE*  
Procter-Gray, E., Cobb, K. L., Crawford, S. L., Bachrach, L. K., Chirra, A., Sowers, M., Greendale, G. A., Nieves, J. W., Kent, K., Kelsey, J. L.  
2008; 40 (7): 1205-1212
- **Longitudinal study of depot medroxyprogesterone acetate (Depo-Provera (R)) effects on bone health in adolescents: study design, population characteristics and baseline bone mineral density** *CONTRACEPTION*  
Johnson, C. C., Burkman, R. T., Gold, M. A., Brown, R. T., Harel, Z., Bruner, A., Stager, M., Bachrach, L. K., Hertweck, S. P., Nelson, A. L., Nelson, D. A., Coupey, S. M., McLeod, et al  
2008; 77 (4): 239-248
- **Bone mineral density in female adolescents with eating disorders not otherwise specified**  
Peebles, R., Wilson, J. L., Arena, K. M., Golden, N. H., Bachrach, L. K.  
ELSEVIER SCIENCE INC.2008: S25
- **Dual energy X-ray absorptiometry interpretation and reporting in children and adolescents: The 2007 ISCD Pediatric Official Positions** *JOURNAL OF CLINICAL DENSITOMETRY*  
Gordon, C. M., Bachrach, L. K., Carpenter, T. O., Crabtree, N., Fuleihan, G. E., Kutilek, S., Lorenc, R. S., Tosi, L. L., Ward, K. A., Ward, L. M., Kalkwarf, H. J.  
2008; 11 (1): 43-58
- **Osteoporosis in Childhood and Adolescence** *OSTEOPOROSIS, VOLS I AND II, 3RD EDITION*  
Ward, L., Bachrach, L. K., Marcus, R., Feldman, D., Nelson, D. A., Rosen, C. J.  
2008: 1095-1133
- **Pediatric randomized placebo-controlled trial of alendronate for glucocorticoid-associated osteoporosis** *71st Annual Scientific Meeting of the American-College-of-Rheumatology/42nd Association-of-Rheumatology-Health-Professionals*  
von Scheven, E., Gordon, C., Wypij, D., Chagomerana, M., Shepherd, J., Fan, B., Wertz, M., Bachrach, L.  
WILEY-LISS.2007: 4311-11
- **Risk factors for stress fracture among young female cross-country runners** *MEDICINE AND SCIENCE IN SPORTS AND EXERCISE*  
Kelsey, J. L., Bachrach, L. K., Procter-Gray, E., Nieves, J., Greendale, G. A., Sowers, M., Brown, B. W., Matheson, K. A., Crawford, S. L., Cobb, K. L.  
2007; 39 (9): 1457-1463
- **Consensus and controversy regarding osteoporosis in the pediatric population.** *Endocrine practice*  
Bachrach, L. K.  
2007; 13 (5): 513-520
- **The effect of oral contraceptives on bone mass and stress fractures in female runners** *MEDICINE AND SCIENCE IN SPORTS AND EXERCISE*  
Cobb, K. L., Bachrach, L. K., Sowers, M., Nieves, J., Greendale, G. A., Kent, K. K., Brown, B. W., Pettit, K., Harper, D. M., Kelsey, J. L.  
2007; 39 (9): 1464-1473
- **Editorial: Osteoporosis in children: Still a diagnostic challenge** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
Bachrach, L. K.  
2007; 92 (6): 2030-32
- **Effects of pharmacologic agents on bone in childhood: An editorial overview** *PEDIATRICS*  
Klein, G. L., Bachrach, L. K., Holm, I. A.  
2007; 119: S125-S130
- **Bone mineral density in postmenarchal adolescent girls in the United States: Associated biopsychosocial variables and bone turnover markers** *27th Annual Meeting of the American-Society-for-Bone-and-Mineral-Research*

- Harel, Z., Gold, M., Cromer, B., Bruner, A., Stager, M., Bachrach, L., Wolter, K., Reid, C., Hertweck, P., Nelson, A., Nelson, D., Coupey, S., Johnson, et al  
ELSEVIER SCIENCE INC.2007: 44–53
- **Reporting DXA Results** *BONE DENSITOMETRY IN GROWING PATIENTS: GUIDELINES FOR CLINICAL PRACTICE*  
Fung, E. B., Bachrach, L. K., Briody, J. N., Cowell, C. T., Sawyer, A. J., Bachrach, L. K., Fung, E.  
2007: 127–36
  - **Rationale for Bone Densitometry in Childhood and Adolescence** *BONE DENSITOMETRY IN GROWING PATIENTS: GUIDELINES FOR CLINICAL PRACTICE*  
Sawyer, A. J., Bachrach, L. K., Sawyer, A. J., Bachrach, L. K., Fung, E.  
2007: 1–13
  - **Clinical Indications for the Use of DXA in Pediatrics** *BONE DENSITOMETRY IN GROWING PATIENTS: GUIDELINES FOR CLINICAL PRACTICE*  
Bachrach, L. K., Levine, M. A., Cowell, C. T., Shaw, N. J., Sawyer, A. J., Bachrach, L. K., Fung, E.  
2007: 59–72
  - **Variable deficits of bone mineral despite chronic glucocorticoid therapy in pediatric patients with inflammatory diseases: A glaser pediatric research network study** *JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM*  
von Scheven, E., Gordon, C. M., Wypij, D., Wertz, M., Gallagher, K. T., Bachrach, L.  
2006; 19 (6): 821-830
  - **Sequential comparisons of one-month and three-month depot leuprolide regimens in central precocious puberty** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
Badaru, A., Wilson, D. M., Bachrach, L. K., Fechner, P., Gandrud, L. M., Durham, E., Wintergerst, K., Chi, C., Klein, K. O., Neely, E. K.  
2006; 91 (5): 1862-1867
  - **Measuring bone mass in children: Can we really do it?** *Symposium on Pubertal Growth - The Critical State for the Attainment and Maintenance of Skeletal Health*  
Bachrach, L. K.  
KARGER.2006: 11–16
  - **The relative contributions of lean tissue mass and fat mass to bone density in young women** *17th International Congress of Nutrition*  
Wang, M. C., Bachrach, L. K., Van Loan, M., Hudes, M., Flegal, K. M., Crawford, P. B.  
ELSEVIER SCIENCE INC.2005: 474–81
  - **Osteoporosis and measurement of bone mass in children and adolescents** *ENDOCRINOLOGY AND METABOLISM CLINICS OF NORTH AMERICA*  
Bachrach, L. K.  
2005; 34 (3): 521-?
  - **Determinants of bone mineral density in female adolescents.** *27th Annual Meeting of the American-Society-for-Bone-and-Mineral-Research*  
Harel, Z., Gold, M., Cromer, B., Bruner, A., Stager, M., Bachrach, L., Hertweck, P., Nelson, A., Nelson, D., Coupey, S.  
WILEY-BLACKWELL.2005: S106–S106
  - **Depot medroxyprogesterone acetate (Depo-Provera (R) 150 mg; DMPA-IM) and bone mineral density in adolescents: Study design, population characteristics, and baseline bone mineral density** *3rd International Conference on Childrens Bone Health*  
Johnson, C., Burkman, T., Gold, M., Brown, R., Harel, Z., Bruner, A., Stager, M., Bachrach, L., Hertweck, P., Nelson, A., Nelson, D., Coupey, M., Bone, et al  
ELSEVIER SCIENCE INC.2005: S62–S63
  - **Consensus statement: Guide to bone health and disease in cystic fibrosis** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
Aris, R. M., Merkel, P. A., Bachrach, L. K., Borowitz, D. S., Boyle, M. P., Elkin, S. L., Guise, T. A., Hardin, D. S., HAWORTH, C. S., Holick, M. F., Joseph, P. M., O'Brien, K., Tullis, et al  
2005; 90 (3): 1888-1896
  - **Assessing bone health in children: who to test and what does it mean?** *Pediatric endocrinology reviews : PER*  
Bachrach, L. K.  
2005; 2: 332-336
  - **Taking steps towards reducing osteoporosis in Duchenne Muscular Dystrophy** *NEUROMUSCULAR DISORDERS*  
Bachrach, L. K.  
2005; 15 (1): 86-87

- **Contraceptive use in teens: A threat to bone health?** *JOURNAL OF ADOLESCENT HEALTH*  
Gold, M. A., Bachrach, L. K.  
2004; 35 (6): 427–29
- **Predicting low bone mineral density in childhood inflammatory diseases: Experience from a glaser pediatric research network alendronate trial.** *26th Annual Meeting of the American-Society-for-Bone-and-Mineral-Research*  
von Scheven, E., Gordon, C. M., Gallagher, K., Wertz, M., Bachrach, L.  
WILEY-BLACKWELL.2004: S470–S470
- **Normal bone geometry but reduced bone mineral at the femoral neck with cystic fibrosis.** *26th Annual Meeting of the American-Society-for-Bone-and-Mineral-Research*  
Cole, J. H., Kent, K., Bhudhikanok, G. S., Bachrach, L. K., van der Meulen, M. C.  
WILEY-BLACKWELL.2004: S237–S237
- **Predicting low bone mineral density (BMD) in childhood inflammatory diseases: Experience from a glaser pediatric research network alendronate treatment trial.** *68th Annual Scientific Meeting of the American-College-of-Rheumatology/39th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*  
von Scheven, E., Gordon, C. M., Gallagher, K., Wertz, M., Bachrach, L.  
WILEY-BLACKWELL.2004: S537–S537
- **Vitamin D insufficiency is common among pediatric subjects participating in an osteoporosis treatment trial: A glaser pediatric research network study.** *68th Annual Scientific Meeting of the American-College-of-Rheumatology/39th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*  
von Scheven, E., Gordon, C. M., Gallagher, K., Wertz, M., Bachrach, L.  
WILEY-BLACKWELL.2004: S538–S538
- **Bare-bones fact - Children are not small adults** *NEW ENGLAND JOURNAL OF MEDICINE*  
Bachrach, L. K.  
2004; 351 (9): 924–26
- **Official positions of the International Society for Clinical Densitometry** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
Lewiecki, E. M., Watts, N. B., McClung, M. R., Petak, S. M., Bachrach, L. K., Shepherd, J. A., Downs, R. W.  
2004; 89 (8): 3651-3655
- **Bone health in children and adolescents: a symposium at the annual meeting of the Pediatric Academic Societies/Lawson Wilkins Pediatric Endocrine Society, May 2003.** *Current problems in pediatric and adolescent health care*  
Gordon, C. M., Bachrach, L. K., Carpenter, T. O., Karsenty, G., Rauch, F.  
2004; 34 (6): 226-242
- **Standards and guidelines for performing central dual-energy X-ray absorptiometry in premenopausal women, men, and children - A report from the Canadian panel of the International Society of Clinical Densitometry** *Conference of the International-Society-for-Clinical-Densitometry-Position-Development*  
Khan, A. A., Bachrach, L., Brown, J. R., Hanley, D., Josse, R. G., Kendler, D. L., Leib, E. S., Lentle, B. C., Leslie, W. D., Lewiecki, E. M., Miller, P. D., Nicholson, R. L., O'Brien, et al  
ELSEVIER SCIENCE INC.2004: 51–63
- **Pitfalls in the hunt for osteoporosis** *AMERICAN JOURNAL OF MEDICINE*  
Bachrach, L. K., Neely, E. K.  
2003; 115 (4): 322-323
- **Patients with cystic fibrosis have normal bone geometry but reduced bone mineral.** *25th Annual Meeting of the American-Society-for-Bone-and-Mineral-Research*  
Cole, J. H., Kent, K., Bhudhikanok, G. S., Bachrach, L. K., van der Meulen, M. C.  
WILEY-BLACKWELL.2003: S320–S320
- **Bone mineral density in pediatric transplant recipients** *TRANSPLANTATION*  
Daniels, M. W., Wilson, D. M., Paguntalan, H. G., Hoffman, A. R., Bachrach, L. K.  
2003; 76 (4): 673-678
- **Low-dose intravenous pamidronate reduces fractures in childhood osteoporosis** *JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM*  
Gandrud, L. M., Cheung, J. C., Daniels, M. W., Bachrach, L. K.  
2003; 16 (6): 887-892

- **Disordered eating, menstrual irregularity, and bone mineral density in female runners** *MEDICINE AND SCIENCE IN SPORTS AND EXERCISE*  
Cobb, K. L., Bachrach, L. K., Greendale, G., Marcus, R., Neer, R. M., Nieves, J., Sowers, M. F., Brown, B. W., Gopalakrishnan, G., Luetters, C., Tanner, H. K., Ward, B., Kelsey, et al  
2003; 35 (5): 711-719
- **Comparison of calcaneus ultrasound and dual X-ray absorptiometry in children at risk of osteopenia** *JOURNAL OF CLINICAL DENSITOMETRY*  
Fielding, K. T., Nix, D. A., Bachrach, L. K.  
2003; 6 (1): 7-15
- **Diet in midpuberty and sedentary activity in prepuberty predict peak bone mass** *17th International Congress of Nutrition*  
Wang, M. C., Crawford, P. B., Hudes, M., Van Loan, M., Siemering, K., Bachrach, L. K.  
AMER SOC NUTRITION-ASN.2003: 495-503
- **Ethnic differences in bone mass of young women vary with method of assessment** *JOURNAL OF CLINICAL DENSITOMETRY*  
Fielding, K. T., Bachrach, L. K., Hudes, M. L., Crawford, P. B., Wang, M. C.  
2002; 5 (3): 229-238
- **Calcaneus ultrasound measurements in a convenience sample of healthy youth** *JOURNAL OF CLINICAL DENSITOMETRY*  
Sawyer, A., Moore, S., Fielding, K. T., Nix, D. A., Kiratli, J., Bachrach, L. K.  
2001; 4 (2): 111-120
- **Acquisition of optimal bone mass in childhood and adolescence** *TRENDS IN ENDOCRINOLOGY AND METABOLISM*  
Bachrach, L. K.  
2001; 12 (1): 22-28
- **Depot medroxyprogesterone acetate in teens: A risk for bone health?** *PEDIATRICS*  
Bachrach, L. K., Cundy, T., Ott, S. M.  
2000; 106 (5): 1137-1138
- **Dual energy X-ray absorptiometry (DEXA) measurements of bone density and body composition: Promise and pitfalls** *13th Annual Meeting of the National Cooperative Growth Study (NCGS)*  
Bachrach, L. K.  
FREUND PUBLISHING HOUSE LTD.2000: 983-988
- **Current age of onset of puberty** *PEDIATRICS*  
Rosenfield, R. L., Bachrach, L. K., Chernausek, S. D., Gertner, J. M., Gottschalk, M., Hardin, D. S., Pescovitz, O. H., Saenger, P.  
2000; 106 (3): 622
- **Use of hormone replacement therapy to reduce the risk of osteopenia in adolescent girls with anorexia nervosa** *JOURNAL OF ADOLESCENT HEALTH*  
Robinson, E., Bachrach, L. K., Katzman, D. K.  
2000; 26 (5): 343-348
- **Mechanobiology of femoral neck structure during adolescence** *JOURNAL OF REHABILITATION RESEARCH AND DEVELOPMENT*  
van der Meulen, M. C., Moro, M., Kiratli, B. J., Marcus, R., Bachrach, L. K.  
2000; 37 (2): 201-208
- **Bone mineral acquisition in healthy Asian, Hispanic, black, and Caucasian youth: A longitudinal study** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
Bachrach, L. K., Hastie, T., Wang, M. C., Narasimhan, B., Marcus, R.  
1999; 84 (12): 4702-4712
- **Natural history of growth hormone receptor deficiency** *25th International Symposium on Growth Hormone and Growth Factors in Endocrinology and Metabolism/3rd International Workshop on Growth Hormone Insensitivity*  
Rosenbloom, A. L., MARTINEZ, V., Kranzier, J. H., Bachrach, L. K., Rosenfeld, R. G., Guevara-Aguirre, J.  
BLACKWELL PUBLISHING.1999: 153-156
- **A comparison of calcaneus ultrasound and dual X-ray absorptiometry in healthy north American youths and young adults** *JOURNAL OF CLINICAL DENSITOMETRY*  
Lum, C. K., Wang, M. C., Moore, E., Wilson, D. M., Marcus, R., Bachrach, L. K.  
1999; 2 (4): 403-411



- **Influence of pre-adolescent diet on quantitative ultrasound measurements of the calcaneus in young adult women** *OSTEOPOROSIS INTERNATIONAL*  
Wang, M. C., Moore, E. C., Crawford, P. B., Hudes, M., Sabry, Z. I., Marcus, R., Bachrach, L. K.  
1999; 9 (6): 532-535
- **Two measures of physical activity as predictors of bone mass in a young cohort** *CLINICAL JOURNAL OF SPORT MEDICINE*  
Matkin, C. C., Bachrach, L., Wang, M. C., Kelsey, J.  
1998; 8 (3): 201-208
- **Bone acquisition and loss in children and adults with cystic fibrosis: A longitudinal study** *JOURNAL OF PEDIATRICS*  
Bhudhikanok, G. S., Wang, M. C., Marcus, R., Harkins, A., Moss, R. B., Bachrach, L. K.  
1998; 133 (1): 18-27
- **Bone mass and hip axis length in healthy Asian, black, Hispanic, and white American youths** *JOURNAL OF BONE AND MINERAL RESEARCH*  
Wang, M. C., AGUIRRE, M., Bhudhikanok, G. S., Kendall, C. G., Kirsch, S., Marcus, R., Bachrach, L. K.  
1997; 12 (11): 1922-1935
- **Intakes of nutrients and foods relevant to bone health in ethnically diverse youths** *JOURNAL OF THE AMERICAN DIETETIC ASSOCIATION*  
Wang, M. C., Crawford, P. B., Bachrach, L. K.  
1997; 97 (9): 1010-1013
- **Determinants of femoral neck structure during adolescence.**  
VANDERMEULEN, M. C., Moro, M., Kiratli, B. J., Marcus, R., Bachrach, L. K., Carter, D. R.  
AMER SOC BONE & MINERAL RES.1997: T603-T603
- **Velocardiofacial syndrome presenting as hypocalcemia in early adolescence** *ARCHIVES OF PEDIATRICS & ADOLESCENT MEDICINE*  
Sykes, K. S., Bachrach, L. K., SIEGELBARTELT, J., Ipp, M., Kooh, S. W., Cytrynbaum, C.  
1997; 151 (7): 745-747
- **Correspondence between theoretical models and dual energy x-ray absorptiometry measurements of femoral cross-sectional growth during adolescence** *JOURNAL OF ORTHOPAEDIC RESEARCH*  
VANDERMEULEN, M. C., Marcus, R., Bachrach, L. K., Carter, D. R.  
1997; 15 (3): 473-476
- **Body mass is the primary determinant of midfemoral bone acquisition during adolescent growth** *BONE*  
Moro, M., VANDERMEULEN, M. C., Kiratli, B. J., Marcus, R., Bachrach, L. K., Carter, D. R.  
1996; 19 (5): 519-526
- **Differences in bone mineral in young Asian and Caucasian Americans may reflect differences in bone size** *JOURNAL OF BONE AND MINERAL RESEARCH*  
Bhudhikanok, G. S., Wang, M. C., Eckert, K., Matkin, C., Marcus, R., Bachrach, L. K.  
1996; 11 (10): 1545-1556
- **Determinants of femoral geometry and structure during adolescent growth** *JOURNAL OF ORTHOPAEDIC RESEARCH*  
VANDERMEULEN, M. C., Ashford, M. W., Kiratli, B. J., Bachrach, L. K., Carter, D. R.  
1996; 14 (1): 22-29
- **Validity of the body mass index as an indicator of adiposity in an ethnically diverse population of youths.** *American journal of human biology : the official journal of the Human Biology Council*  
Wang, M. C., Bachrach, L. K.  
1996; 8 (5): 641-51
- **Validity of the body mass index as an indicator of adiposity in an ethnically diverse population of youths** *AMERICAN JOURNAL OF HUMAN BIOLOGY*  
Wang, M. C., Bachrach, L. K.  
1996; 8 (5): 641-651
- **Correlates of osteopenia in patients with cystic fibrosis** *PEDIATRICS*  
Bhudhikanok, G. S., Lim, J., Marcus, R., Harkins, A., Moss, R. B., Bachrach, L. K.  
1996; 97 (1): 103-111
- **BONE-MINERAL DENSITY DURING TREATMENT OF CENTRAL PRECOCIOUS PUBERTY** *JOURNAL OF PEDIATRICS*

- Neely, E. K., Bachrach, L. K., Hintz, R. L., Habiby, R. L., Slemenda, C. W., FEEZLE, L., Pescovitz, O. H.  
1995; 127 (5): 819-822
- **THE BONE-MINERAL STATUS OF PATIENTS WITH MARFAN-SYNDROME** *JOURNAL OF BONE AND MINERAL RESEARCH*  
Kohlmeier, L., Gasner, C., Bachrach, L. K., Marcus, R.  
1995; 10 (10): 1550-1555
  - **A PHYSICIAN SURVEY OF THERAPY FOR EXERCISE-ASSOCIATED AMENORRHEA - A BRIEF REPORT** *CLINICAL JOURNAL OF SPORT MEDICINE*  
Haberland, C. A., SEDDICK, D., Marcus, R., Bachrach, L. K.  
1995; 5 (4): 246-250
  - **LOADING FROM BODY-MASS DETERMINES BONE MASS AND STRUCTURE DURING ADOLESCENCE**  
VANDERMEULEN, M. C., Moro, M., Kiratli, B. J., Bachrach, L. K., Carter, D. R.  
WILEY-BLACKWELL.1995: S235-S235
  - **Osteopenia in Turner girls** *4th International Symposium on Turner Syndrome*  
Bachrach, L. K.  
ELSEVIER SCIENCE PUBL B V.1995: 233-240
  - **OCCULT CELIAC-DISEASE - NOT A CAUSE OF SHORT STATURE**  
Wilson, D. M., Chung, J. H., Olney, R. C., Neely, E. K., Cohen, P., Bachrach, L. K., Hintz, R. L.  
NATURE PUBLISHING GROUP.1994: A109-A109
  - **COMPARISON OF A RAPID, SINGLE-SAMPLE SUBCUTANEOUS GNRH STIMULATION TEST WITH STANDARD-IV GNRH TESTING IN THE EVALUATION OF PRECOCIOUS PUBERTY**  
Eckert, K. L., Wilson, D. M., Bachrach, L. K., Anhalt, H., Habiby, R. L., Olney, R. C., Hintz, R. L., Neely, E. K.  
NATURE PUBLISHING GROUP.1994: A98-A98
  - **A PROSPECTIVE RANDOMIZED TRIAL OF GROWTH-RESPONSE TO 2 DOSAGES OF RHGH**  
Anhalt, H., Wilson, D. M., Bachrach, L. K., Hintz, R. L., Olney, R. C., Eckert, K. L., Habiby, R. L., Neely, E. K.  
NATURE PUBLISHING GROUP.1994: A93-A93
  - **BODY CHANGES IN ADOLESCENT PATIENTS WITH GROWTH-HORMONE RECEPTOR DEFICIENCY RECEIVING RECOMBINANT HUMAN INSULIN-LIKE GROWTH-FACTOR-I AND LUTEINIZING-HORMONE-RELEASING HORMONE ANALOG - PRELIMINARY-RESULTS** *2nd International Workshop on Growth Hormone Insensitivity*  
MARTINEZ, V., Vasconez, O., Martinez, A. L., Moreno, Z., Davila, N., Rosenbloom, A. L., Diamond, F. B., Bachrach, L., Rosenfeld, R. G., GUEVARAAGUIRRE, J.  
WILEY-BLACKWELL PUBLISHING, INC.1994: 133-136
  - **OSTEOPENIA IN ADULTS WITH CYSTIC-FIBROSIS** *AMERICAN JOURNAL OF MEDICINE*  
Bachrach, L. K., LOUITT, C. W., Moss, R. B., Marcus, R.  
1994; 96 (1): 27-34
  - **LOW BONE-MINERAL DENSITY AT AXIAL AND APPENDICULAR SITES IN AMENORRHEIC ATHLETES** *MEDICINE AND SCIENCE IN SPORTS AND EXERCISE*  
Myburgh, K. H., Bachrach, L. K., Lewis, B., Kent, K., Marcus, R.  
1993; 25 (11): 1197-1202
  - **TURNER SYNDROME ADOLESCENTS RECEIVING GROWTH-HORMONE ARE NOT OSTEOPENIC** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
Neely, E. K., Marcus, R., Rosenfeld, R. G., Bachrach, L. K.  
1993; 76 (4): 861-866
  - **2-YEAR RESULTS OF TREATMENT WITH DEPOT LEUPROLIDE ACETATE FOR CENTRAL PRECOCIOUS PUBERTY** *JOURNAL OF PEDIATRICS*  
Neely, E. K., Hintz, R. L., Parker, B., Bachrach, L. K., Cohen, P., Olney, R., Wilson, D. M.  
1992; 121 (4): 634-640
  - **OSTEOPOROSIS IN YOUNG-ADULTS WITH CYSTIC-FIBROSIS**  
Bachrach, L. K., LOUITT, C., Marcus, R.

AMER SOC BONE & MINERAL RES.1992: S183-S183

- **CLINICAL AND ANTHROPOMETRIC CORRELATES OF BONE-MINERAL ACQUISITION IN HEALTHY ADOLESCENT GIRLS** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
Katzman, D. K., Bachrach, L. K., Carter, D. R., Marcus, R.  
1991; 73 (6): 1332-1339
- **EFFICACY OF DEPOT LEUPROLIDE ACETATE IN THE TREATMENT OF CENTRAL PRECOCIOUS PUBERTY**  
Neely, E. K., Wilson, D. M., Bachrach, L. K., Rosenfeld, R. G., Cohen, P., Smith, J. K., Hintz, R. L.  
NATURE PUBLISHING GROUP.1991: A83-A83
- **RECOVERY FROM OSTEOPENIA IN ADOLESCENT GIRLS WITH ANOREXIA-NERVOSA** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
Bachrach, L. K., Katzman, D. K., Litt, I. F., Guido, D., Marcus, R.  
1991; 72 (3): 602-606
- **Thyrotropin inhibits while insulin, epidermal growth factor and tetradecanoyl phorbol acetate stimulate insulin-like growth factor binding protein secretion from sheep thyroid cells.** *Growth factors*  
Eggo, M. C., Bachrach, L. K., Brown, A. L., Burrow, G. N.  
1991; 4 (3): 221-230
- **DECREASED BONE-DENSITY IN ADOLESCENT GIRLS WITH ANOREXIA-NERVOSA** *PEDIATRICS*  
Bachrach, L. K., Guido, D., Katzman, D., Litt, I. F., Marcus, R.  
1990; 86 (3): 440-447
- **EFFECT OF ESTROGEN ON GROWTH-HORMONE CONCENTRATIONS FOLLOWING STIMULATION WITH CLONIDINE**  
Wilson, D. M., Dotson, R. J., Neely, E. K., Cohen, P., Rosenfeld, R. G., Bachrach, L. K., Hintz, R. L.  
NATURE PUBLISHING GROUP.1990: A88-A88
- **LONG-ACTING LUTEINIZING RELEASING-FACTOR (LRF) ANALOG FOR CENTRAL PRECOCIOUS PUBERTY**  
Neely, E. K., Hintz, R. L., Bachrach, L. K., Rosenfeld, R. G., Cohen, P., Wilson, D. M.  
NATURE PUBLISHING GROUP.1990: A82-A82
- **Interaction of TSH, insulin and insulin-like growth factors in regulating thyroid growth and function.** *Growth factors*  
Eggo, M. C., Bachrach, L. K., Burrow, G. N.  
1990; 2 (2-3): 99-109
- **INDUCTION OF ORNITHINE DECARBOXYLASE ACTIVITY BY GROWTH AND DIFFERENTIATION FACTORS IN FRTL-5 CELLS** *YALE JOURNAL OF BIOLOGY AND MEDICINE*  
Eggo, M. C., Higgins, B. P., Tam, D., Bachrach, L. K., Burrow, G. N.  
1989; 62 (5): 435-444
- **REGULATION OF THYROPEROXIDASE, THYROGLOBULIN AND IODIDE LEVELS IN SHEEP THYROID-CELLS BY TSH, TUMOR PROMOTERS AND EPIDERMAL GROWTH-FACTOR** *BIOCHIMIE*  
Pratt, M. A., Eggo, M. C., Bachrach, L. K., Carayon, P., Burrow, G. N.  
1989; 71 (2): 227-235
- **HYPOTHYROXINEMIA ASSOCIATED WITH PARADOXICAL HYPERTRIIODOTHYRONINEMIA IN CHILDREN WITH GRAVES-DISEASE TREATED WITH PROPYLTHIOURACIL**  
DiNicola, A. F., Bachrach, L. K., Wilson, D. M., Hintz, R. L., Rosenfeld, R. G.  
SLACK INC.1988: A203-A203
- **EFFECTS OF AMIODARONE DURING PREGNANCY** *CANADIAN MEDICAL ASSOCIATION JOURNAL*  
Rey, E., Bachrach, L. K., Burrow, G. N.  
1987; 136 (9): 959-960
- **ENDOCRINE FUNCTION IN MALNOURISHED PATIENTS WITH CYSTIC-FIBROSIS (CF)**  
Bachrach, L. K., Wilson, D. M., LEWISTON, N. J.  
WILLIAMS & WILKINS.1987: A499-A499
- **Role of non-TSH factors in thyroid cell growth.** *Acta endocrinologica. Supplementum*

Eggo, M. C., Bachrach, L. K., Burrow, G. N.  
1987; 281: 231-237

● **ROLE OF NON-TSH FACTORS IN THYROID CELL-GROWTH** *ACTA ENDOCRINOLOGICA*

Eggo, M. C., Bachrach, L. K., Burrow, G. N.  
1987; 115: 231-237

● **DISPARATE UPTAKE OF (TCO4)-TC-99M AND I-125 IN THYROID-CELLS IN CULTURE** *HORMONE AND METABOLIC RESEARCH*

Eggo, M. C., Bachrach, L. K., Mak, W., Burrow, G. N.  
1986; 18 (3): 167-172

● **PHORBOL ESTERS STIMULATE GROWTH AND INHIBIT DIFFERENTIATION IN CULTURED THYROID-CELLS** *ENDOCRINOLOGY*

Bachrach, L. K., Eggo, M. C., Mak, W. W., Burrow, G. N.  
1985; 116 (4): 1603-1609

● **THE EFFECTS OF GROWTH-FACTORS AND SERUM ON DNA-SYNTHESIS AND DIFFERENTIATION IN THYROID-CELLS IN CULTURE** *MOLECULAR AND CELLULAR ENDOCRINOLOGY*

Eggo, M. C., Bachrach, L. K., Fayet, G., ERRICK, J., KUDLOW, J. E., Cohen, M. F., Burrow, G. N.  
1984; 38 (2-3): 141-150

● **TRANS-PLACENTAL EFFECTS OF 3,5-DIMETHYL-3'-ISOPROPYL-L-THYRONINE ON FETAL HYPOTHYROIDISM IN PRIMATES** *ENDOCRINOLOGY*

Bachrach, L. K., DiBattista, D., Burrow, G. N., Holland, F. J.  
1983; 112 (6): 2021-2024

● **TREATMENT OF OVINE CRETINISM INUTERO WITH 3,5-DIMETHYL-3'-ISOPROPYL-L-THYRONINE** *ENDOCRINOLOGY*

Bachrach, L. K., KUDLOW, J. E., SILVERBERG, J. D., Kent, G., Burrow, G. N.  
1982; 111 (1): 132-135