

Name: EDGAR J. SCHOEN, M.D.

Current Position: Senior Consultant, Departments of Pediatrics and Genetics
Kaiser Permanente Medical Center, Oakland, CA
Clinical Professor Emeritus, Pediatrics, UC San Francisco
Phone: (Office) (510) 752-6585
(Home) (510) 232-8590

Birth Date and Place: August 10, 1925, New York City

Marital Status: Married, 2 Children Wife: Fritzi Schoen

2. Education: Schools, Dates and Degrees

B.S. University of Illinois, Urbana, Illinois, 1946

M.D. New York University, College of Medicine, New York City, New York, 1948

3. University Appointments

Teaching Fellow, Harvard Medical School, 1949-1950; 1953-1954

Clinical Instructor in Pediatrics, University of California School of Medicine,
San Francisco, 1958-1963

Assistant Clinical Professor in Pediatrics, University of California School of Medicine,
San Francisco, 1963-1990

Clinical Professor of Pediatrics, University of California, San Francisco, 1990-2004

Clinical Professor Emeritus, Pediatrics, University of California, San Francisco, 2004-present

4. Hospital Appointments (include internship and residency training)

Intern (rotating), Lincoln Hospital, New York City, NY, 1948-1949

House Officer, Children's Medical Service, Massachusetts General Hospital,
Boston, MA, July-December 1950

Assistant Resident, Children's Medical Service, Massachusetts General Hospital,
Boston, MA, February 1953-June 1954

Pediatric Staff, Kaiser Permanente Medical Center (KPMC), Oakland, CA,
1954-2003

Pediatric Endocrinologist, KPMC, Oakland, CA, 1954-2003

Chief, Department of Pediatrics, KPMC, Oakland, CA, 1966-1990

Consultant, Children's Hospital of the East Bay, Oakland, CA, 1960-2003

University of California Medical Center, San Francisco, CA, 1958-2003

5. Research Training

Clinical and Research Fellow in Metabolic Diseases (under Drs. A.M. Butler and
N.B. Talbot), Children's Medical Service, Massachusetts General Hospital, Boston, Massachusetts, 1949-
1950

U.S. Public Health Service Postdoctoral Fellow in Steroid Biochemistry (under the direction of Drs. K. Eik-
nes and L.T. Samuels), University of Utah College of Medicine, Salt Lake City, Utah, 1960-1961

6. Licensure and Board Certification

National Board of Medical Examiners - Licensed in New York and California

Diplomate, American Board of Pediatrics, June 1954

Fellow, American Academy of Pediatrics, 1966

Diplomate, Pediatric Endocrinology, American Board of Pediatrics, 1978

7. Military Service

Flight Surgeon, U.S. Navy, 1950-1952

8. Society Membership:

American Academy of Pediatrics (1958)

American Medical Association (1954)

Alameda-Contra Costa Medical Association (1954)
The Endocrine Society (1956)
American Federation for Clinical Research (Western Section) (1956)
Western Society for Clinical Research (1961)
Northern California Pediatric Society (1960)
Western Society for Pediatric Research (1960)
Ambulatory Pediatric Association (1967)
Society for Pediatric Research (1968)
American Pediatric Society (1969)
Lawson Wilkins Pediatric Endocrine Society (Founding Member) (1971)
9. Appointments in Government or Lay Health Organizations
Member, Alameda County Child Health Disability Prevention Program, 1974
Member, Advisory Committee on Physician Assistant and Nurse Practitioner Programs, State of California, Appointed by Governor to 4-Year Term (1971)
Head Start Medical Consultant, Sonoma County (1969-72)
Head Start Medical Consultant, Shasta County (1972-74)

10. Professional Society Appointments
Chairman, Committee on Health Manpower, California Chapter (District IX, Chapter I), American Academy of Pediatrics (1970)
Member, Committee on Child Welfare, Alameda-Contra Costa Medical Association (1971)
Member, National Committee on Community Health Services, American Academy of Pediatrics, Appointed to 3-Year Term (1972-75)
Chair, Task Force on Circumcision, American Academy of Pediatrics, 1988

11. Current Areas of Interest and Activity
Perinatal screening
Pediatric endocrinology, particularly growth and sexual development of children
Health care delivery to children

12. PUBLICATIONS (SELECTED)

- (1) Schoen EJ, King AL, Baritell AL, Knigge WF. Pseudohermaphroditism with multiple congenital anomalies. *Pediatrics* 1955;16:363.
- (2) Schoen EJ, King AL. Exchange transfusion in premature infants. *J Pediat* 1956;48:330.
- (3) Schoen EJ. The management of hermaphroditism. *Am Pract & Digest Treat* 1956;7:418.
- (4) Schoen EJ. Minimum urine total solute concentration in response to water loading in normal men. *J Appl Physiol* 1957;10:267.
- (5) Schoen EJ, Young G. "Lowe's syndrome": abnormalities in renal tubular function in combination with other congenital defects. *Am J Med* 1959;27:781.
- (6) Schoen EJ. Renal diabetes insipidus. *Pediatrics* 1960;26:808.
- (7) Schoen EJ, Di Raimondo V, Dominguez OV. Bilateral testicular tumors complicating congenital adrenocortical hyperplasia. *J Clin Endocrinol & Metab* 1961;21:518-32.
- (8) Schoen EJ. Effect of local irradiation on testicular androgen biosynthesis. *Endocrinology* 1964;75:56.

- (9) Schoen EJ. Diminished testicular function in male Turner's syndrome. *J Clin Endocrinol & Metab* 1965;25:101.
- (10) Schoen EJ, Samuels LT. Testicular androgen biosynthesis following corticotrophin and human chorionic gonadotrophin administration. *Acta Endocrinol* 1965;50:365.
- (11) Schoen EJ. The question of normal height in patients with Vitamin D-resistant rickets. *JAMA* 1966;195:524.
- (12) Schoen EJ. Treatment of idiopathic precocious puberty in boys. *J Clin Endocrinol & Metab* 1966;26:363.
- (13) Schoen EJ, Shearn MA. Immunoglobulin deficiency in Bloom's syndrome. *AMA Am J Dis Child* 1967;113:594.
- (14) Schoen EJ. 17 B-hydroxysteroid dehydrogenase activity in human testes. *Acta Endocrinol* 1967;56:56.
- (15) Sharma DC, Racz EA, Dorfman RI, Schoen, EJ. A comparative study of the biosynthesis of testosterone by human testes and a virilizing interstitial cell tumor. *Acta Endocrinol* 1967; 56:726.
- (16) Witzleben CL, Schoen EJ, Tu WH, McDonal LW. Progressive morphologic renal changes in the oculo-cerebro-renal syndrome of Lowe. *Am J Med* 1968;44:319.
- (17) Schoen EJ. Treatment of diseases of the testes affecting growth and development. *Modern Treatment* 1968;5:184.
- (18) Schoen EJ, Solomon IL. Bone age in short boys and tall girls. *AMA Am J Dis Child* 1970; 119:252.
- (19) Schoen EJ, Reynolds JB. Severe familial hypophosphatemic rickets: normal growth following early treatment. *AMA Am J Dis Child* 1970;120:58.
- (20) Wingerd J, Schoen EJ, Solomon, IL. Growth standards in the first two years of life based on measurements of white and black children in a prepaid health care program. *Pediatrics* 1971; 47:818.
- (21) Wingerd J, Schoen EJ, Solomon, IL. Improved separation of centile lines on growth charts. *Pediatrics* 1971;47:915.
- (22) Solomon IL, Schoen EJ. Sex-linked ichthyosis in XO gonadal dysgenesis. *The Lancet*, June 19, 1971, p 1304.
- (23) Schoen EJ, Solomon IL, Warner O, Wingerd J. Estrogen treatment of tall girls. *AMA Am J Dis Child* 1973;125:71.
- (24) Schoen EJ, Erickson RJ, Barr G, Allen H. The role of pediatric nurse practitioners as viewed by California pediatricians (The Health Care Team). *Calif Med* 1973;118:62.
- (25) Wingerd J, Solomon IL, Schoen EJ. Parent-specific height standards for preadolescent children of three racial groups, with method for rapid determination. *Pediatrics* 1973;52:555.
- (26) Wingerd J, Schoen EJ. Factors influencing length at birth and height at 5 years. *Pediatrics* 1974;53:737.
- (27) Solomon IL, Schoen EJ. Blood testosterone values in patient with congenital virilizing adrenal hyperplasia. *J Clin Endocrinol & Metab* 1975;40:355.

- (28) Burnip R, Erickson R, Barr GD, Shinefield H, Schoen EJ. Well-child care by pediatric nurse practitioners in a large group practice. *Am J Dis Child* 1976;130:51.
- (29) Solomon IL, Schoen EJ. Juvenile Cushing syndrome manifested primarily by growth failure. *Am J Dis Child* 1976;130:200.
- (30) Schoen EJ. Unusually tall stature in adolescent girls, in Gellis SJ and Kagan BM. *Current Pediatric Therapy* 1976;7:302-4.
- (31) Wingerd J, Christianson R, Lovitt WV, Schoen EJ. Placental ratio in white and black women: relation to smoking and anemia. *Am J Obs & Gyn* 1976;124:671.
- (32) Solomon IL, Schoen EJ. Blood testosterone values in patients with congenital virilizing adrenal hyperplasia. Lee PA et al *Congenital Adrenal Hyperplasia*, University Park Press 1977, pp 163-72.
- (33) Schoen EJ. "Tall Stature" in Gellis SS and Kagan BM. *Current Pediatric Therapy* 1983 (11th Edition).
- (34) Schoen EJ. Spinal fluid chloride: a test 40 years past its time. *JAMA* 1984;251:37.
- (35) Migeon CJ, Brown TR, Lanes R, Palacios A, Amrhein JA, Schoen EJ. A clinical syndrome of mild androgen insensitivity. *J Clin Endocrinol and Metab* 1984;59:672.
- (36) Jasko IA, Dos Remedios LV, Schoen EJ. Benefits & risks of thyroid scintigraphy in congenital primary hypothyroidism. *J Nucl Med Technol* 1984;12:167.
- (37) Samuels SS, Margen S, Schoen EJ. Incidence & duration of breast feeding in a health maintenance organization. *Am J Clin Nutr* 1985;42:504.
- (38) Schoen EJ, Dos Remedios LV, Backstrom M. Heterogeneity of congenital primary hypothyroidism; the importance of thyroid scintigraphy. *J Perinatal Med* 1987;15:137.
- (39) Schoen EJ, Anderson G, Bohon C, Hinman F, Poland R, Wakeman EM. Report of the Task Force on Circumcision (American Academy of Pediatrics). *Pediatrics* 1989;84:388-91.
- (40) Schoen EJ. The status of circumcision of newborns (Sounding Board). *N Eng J Med* 1990; 322:1308-12.
- (41) Schoen EJ. Is it time for Europe to reconsider newborn circumcision? *Acta Pædiatr Scand* 1991;80:573-7.
- (42) Schoen EJ. Pain in neonatal circumcision. *Clin Pediatr* 1991;30:429-32.
- (43) Schoen EJ. Growth hormone in youth and old age (the old and the new and déjà vu) (Letter). *J Amer Geriatr Soc* 1991;39:839.
- (44) Schoen EJ. The relationship between circumcision and cancer of the penis. *Ca- A Cancer Journal for Clinicians*, 1991;41:306-9.
- (45) Schoen EJ. Childhood cholesterol screening. An alternative view (Clinical Opinion). *Amer Fam Phys* 1992;45:2179-82.
- (46) Schoen EJ. Urologists and circumcision of newborns (Review Article). *Urology* 1992;40:99-101.

- (47) Schoen EJ. Exaggerated threat of childhood lead poisoning in California - epidemic by edict (Correspondence). *West J Med* 1992;157:470.
- (48) Schoen EJ. Inadequate and inappropriate care of endocrine and metabolic diseases in children. *Proceedings of the Fourth National Health Policy Forum of the National Academy of Practice* 1992;42-45.
- (49) Bachman RP, Schoen EJ, Backstrom MV, Lee RF, Williams SR, Jurecki ER. Phenylalanine embryopathy in three siblings. *Amer J Dis Child* 1993;147:22-3.
- (50) Schoen EJ. Childhood lead poisoning: definitions and priorities (Commentary). *Pediatrics* 1993;91:504-5.
- (51) Schoen EJ. Lead screening (Reply). *Pediatrics* 1993;91:855.
- (52) Schoen EJ. The tangled web of childhood lead poisoning. *Calif Pediatrician* 1993, Winter issue, pp 33-6.
- (53) Bachman RP, Schoen EJ, Stembridge A, Jurecki ER, Imagire RS. Compliance with childhood cholesterol screening among members of a prepaid health plan. *Am J Dis Child*. 1993;147:382-5.
- (54) Schoen EJ. Lead and IQ (Letter). *Pediatrics* 1993;91:856.
- (55) Schoen EJ, Marks SM, Clemons MM, Bachman RP. Comparing prenatal and neonatal diagnosis for hemoglobinopathies. *Pediatrics* 1993;92:354-7
- (56) Schoen EJ. Neuroendocrine effects of toxic and low blood lead levels in children (Letter). *Pediatrics* 1993;92:509-10.
- (57) Schoen EJ. Blood lead screening: the argument against it. *Amer Fam Phys* 1993;48:1371-2.
- (58) Bachman RP, Schoen EJ, Stembridge A, Jurecki ER, Imagire RS. Reply to Thomas B. Newman: cholesterol: myth versus reality. *Arch Pediatr Adolesc Med* 1994;148:331.
- (59) Schoen EJ. Circumcision and informed consent. *Dialogues in Pediatric Urology* 1994;17:2-3.
- (60) Schoen EJ. Allan Macy Butler (1894-1986): health care visionary. *Eur J Pediatr* 1994;153:867.
- (61) Schoen EJ. Lead poisoning alert – false alarm? (Correspondence). *West J Med* 1995;162:474.
- (62) Schoen EJ. Blood lead levels, scientific misconduct, and the Needleman case. *Am J Public Health* 1996;86:112-13.
- (63) Schoen EJ. Allan Macy Butler (Profiles in Pediatrics). *J Pediatr* 1996;129:171-3.
- (64) Schoen EJ. Special perinatal services in a large HMO. *Curr Opinions in Pediatrics* 1996;8:188-193.
- (65) Bachman RP, Schoen EJ. Managed genetic care in the largest HMO: the challenge of providing genetic services to 2.4 million members. *HMO Practice* 1996;10:54-8.
- (66) Schoen EJ. The benefits of newborn circumcision: is Europe ignoring medical evidence? *Arch Dis Child* 1997;77:258-60.
- (67) Limata C, Schoen EJ, Cohen D, Black SB, Quesenberry CP. Compliance with voluntary prenatal HIV testing in a large health maintenance organization (HMO). *J Acq Imm Def Synd* 1997;15:126-30.

- (68) Schoen EJ, Cohen D, Black S, Limata C. Program to prevent perinatal hepatitis B virus transmission in a health maintenance organization – Northern California, 1990-1995. *MMWR* 1997 (May 2);46:378-9.
- (69) Bachman RP, Schoen EJ. Managed genetic care in the largest HMO: the challenge of providing genetic services to 2.7 million members. *Permanente Journal* 1998;2:10-13.
- (70) Bachman RP, Schoen EJ. Design and implementation of genetic services within an HMO. *Managed Care Interface* 1998; 11:69-72.
- (71) Schoen EJ. Temporal arteritis after hymenoptera sting. *J. Rheumatol.* 1998; 25:2040-2.
- (72) Schoen EJ. Childhood lead poisoning and tainted science. *Technology* 1999;6:261-8.
- (73) Walton DL, Norem CT, Schoen EJ, Ray GT, Colby CJ. Second trimester chorionic gonadotropin concentrations and complications and outcome of pregnancy. *N Engl J Med* 1999;341:2033-8.
- (74) Schoen EJ, Wiswell TE, Moses S. New policy on circumcision – cause for concern. *Pediatrics.* 2000;105:620-623.
- (75) Schoen EJ, Oehrli M, Colby CJ, Machin G. The highly protective effect of newborn circumcision against invasive penile cancer (IPC). *Pediatrics* 2000;105:1-4.
<http://www.pediatrics.org/cgi/content/full/105/3/e36>
- (76) Schoen EJ, Colby CJ, Ray GT. Newborn circumcision decreases incidence and costs of urinary tract infections (UTI) during the first year of life. *Pediatrics* 2000;105:789-93.
- (77) Fisher DA, Schoen EJ, LaFranchi S, Nandal SH, Nelson JC, Carlton EI, Goshi JH. The hypothalamic-pituitary-thyroid negative feedback control axis in children with treated congenital hypothyroidism. *J Clin Endocrinol Metab.* 2000;85:2722-7.
- (78) Schoen EJ, Limata C, Black SB. Voluntary prenatal HIV testing does not work. *Ped Infect Dis J.* 2001;20:79-81.
- (79) Bachman RP, Schoen EJ. Johann Gregor Mendel in the 21st Century: Genetic Science Fiction is Alive Today. *Permanente Journal* 2001. Vol. 5:13-16.
- (80) Schoen EJ, Bhatia S, Ray GT, Clapp W, To TT. Transient pseudohypoadosteronism with hyponatremia-hyperkalemia in infant urinary tract infection. *J Urol.* 2002 Feb;167(2 Pt 1):680-2.
- (81) Schoen EJ. Kaiser Permanente Medicine 50 Years Ago: The Development of Sex. *The Permanente Journal.* Spring 2002;6 (2):58-61.
- (82) Schoen EJ, Baker JC, Colby CJ, To TT. Cost-Benefit Analysis of Universal Tandem Mass Spectrometry for Newborn Screening. *Pediatrics* 2002; 110(4):781-786.
- (83) Schoen EJ. A Tribute to Martin Shearn, MD. *The Permanente Journal.* Winter 2003. Vol 7(1):37
- (84) Schoen EJ. “It’s Wise to Circumcise: Time to Change Policy”. (Letter to the editor). *Pediatrics.* 2003 Jun; 111(6 Pt 1):1490-1.
- (85) Schoen, Edgar MD; Norem, Carol MS; O’Keefe, Jennifer RN, MPH; Krieger, Robyn MS; Walton, David MD; To, Trinh T. Maternal Serum Unconjugated Estriol as a Predictor for Smith-Lemli-Opitz Syndrome and Other Fetal Conditions. *Obstetrics & Gynecology.* 102(1):167-172, July 2003

- (86) Schoen EJ, Clapp W, To TT, Fireman B. The key role of newborn thyroid scintigraphy with isotopic iodide (I123) in defining congenital hypothyroidism. *Pediatrics*. Vol 114 No 6, December 2004 (e263).
- (87) Schoen, EJ. Circumcision for the prevention of urinary tract infections in boys: North American view. *Arch Dis Child*. 2005 Aug;90(8):772-3.
- (88) Norem C, Schoen EJ, O’Keefe J, Krieger R, Walton D, To TT. Routine ultrasonography versus maternal serum alpha-fetoprotein for neural tube defect screening. In press 2005.
- (89) Schoen EJ, Colby C, To, T. Cost analysis of neonatal circumcision in a large health maintenance organization (HMO). Submitted for publication 2005.
- (90) Schoen EJ. Perspective. Circumcision for the prevention of urinary tract infections in boys: North American view. *Arch Dis Child*. 2005 90:772-3.
- (91) Norem C, Schoen EJ, O’Keefe J, Krieger R, Walton D, To TT. Routine ultrasonography compared with maternal serum alpha-fetoprotein for neural tube defect screening. Schoen EJ, Colby C, To, T. Cost analysis of neonatal circumcision in a large health maintenance organization (HMO). *Obstet Gynecol* 2005;106:747-52.
- (92) Schoen EJ. Ed Schoen, MD on Circumcision. Timely information for parents and professionals from America’s #1 expert on circumcision. 2005, RDR Books, Berkeley, Ca.,135 pages
- (93) Schoen EJ. Re: The increasing incidence of newborn circumcision: data from the nationwide inpatient sample. *J Urol* 2006; 175:394-5.
- (94) Schoen EJ, Colby C, To, T. Cost analysis of neonatal circumcision in a large health maintenance organization (HMO). *Obstet Gynecol* 2005; 106:747-52.
- (95) Schoen EJ. Ignoring evidence of circumcision benefits. *Pediatrics*. 2006 (July); 118(1):385-7.
- (96) Schoen EJ. Response to letters on Cost Analysis, *J Urol* 2006; 176:2315-19.
- (97) Schoen EJ. Response to Robert S. Van Howe, M.D.: “Incidence of meatal stenosis following neonatal circumcision in a primary care setting”. *Clinical Pediatric* 2007; 46:86.
- (98) Schoen EJ. Re: Circumcision-“Are you with us or against Us?”, *J Urol* (July) 2007;178:354
- (99) Schoen EJ. Male Circumcision, Chapter 9, *Male Reproductive Dysfunction: Pathophysiology and Treatment*, F.R. Kandeel (Editor), Informa 2007 (Sept).
- (100) Schoen EJ. Circumcision as a lifetime vaccination with many benefits. *J Men’s Health and Gender (JMHG)* 2007(Sept); 4:306-311.
- (101) Schoen EJ. The endocrine advantage of newborn circumcision. *Pediatric Endocrine Review*. 2007(Sept); 5:466-467.
- (102) Schoen EJ. Circumcision Debate – Pro. *Canad Fam Phys* 2007(Dec);53:2096-8
- Schoen EJ. Rebuttal to debate: circumcision. *Canad Fam Phys* 2008 (Jan);54:22