

CURRICULUM VITAE

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Place of Birth: Palo Alto, California

Education:

1966	B.A.	Radcliffe College
1970	M.D.	Harvard Medical School

Postdoctoral Training:

1970-1973	Intern and Resident in Pediatrics	Children’s Hospital, Boston
1973-1975	Fellow in Adolescent Medicine	Children’s Hospital, Boston

Licensure and Certification:

1973	Massachusetts License Registration
1975	American Board of Pediatrics
1993	American Board of Pediatrics (re-certification)
1994	American Board of Pediatrics
	Adolescent Medicine Board Certified
2000	American Board of Pediatrics
	Adolescent Medicine (re-certification)

Academic Appointments:

1973-1975	Clinical Fellow in Pediatrics	Harvard Medical School, Boston, MA
1975-1980	Instructor in Pediatrics	Harvard Medical School, Boston, MA
1980-1986	Assistant Professor of Pediatrics	Harvard Medical School, Boston, MA
1986-2001	Associate Professor of Pediatrics	Harvard Medical School, Boston, MA
2001-	Professor of Pediatrics	Harvard Medical School, Boston, MA

Hospital or Affiliated Institution Appointments:

- 1975- Faculty member, Division of Adolescent/Young Adult Medicine, Children's Hospital, Boston, MA
- 1975- Faculty member, Division of Gynecology, Children's Hospital, Boston, MA
- 1975-93 Associate Chief, Division of Adolescent/ Young Adult Medicine, Children's Hospital, Boston, MA
- 1985- Co-Director, Adolescent Reproductive Endocrinology Clinic, Children's Hospital, Boston, MA
- 1993-96 Co-Chief, Division of Adolescent/Young Adult Medicine Children's Hospital, Boston, MA
- 1997- Chief, Division of Adolescent/Young Adult Medicine, Children's Hospital Boston, Boston, MA
- 2000- Director, Office of Faculty Development Children's Hospital Boston, Boston, MA
- 2003- Vice Chair for Clinical Affairs, Department of Medicine Children's Hospital Boston, Boston, MA

Other Professional Positions and Major Visiting Appointments:

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| 1995 | Wyeth-Ayerst Society for Adolescent Medicine Visiting Professor | Visiting Professor to Departments of Ob/Gyn and Pediatrics University of Tennessee Memphis, TN |
| 1995 | Keynote Speaker | XIth World Congress in Pediatric and Adolescent Gynecology, Singapore |
| 1996 | Ray Kroc Visiting Professor | Washington University St. Louis, Missouri |
| 1996 | Visiting Professor | Duke University Medical Center Durham, NC |
| 1997 | Postgraduate Fortnight Visiting Professor in Pediatrics | Royal Children's Hospital and Monash Medical Center Melbourne, Australia |
| 1999 | Visiting Professor | Peking Union Medical College Beijing, China |
| 1999 | Visiting Professor | Keio University Tokyo, Japan |
| 1999 | Keynote Speaker | 102 nd Annual Meeting of the Japan Pediatric Society, Tokyo, Japan |
| 2001 | Visiting Professor Ellen Soefer Lecturer | St. Christopher's Hospital for Children, Philadelphia |
| 2001 | Visiting Professor | Stanford University, Palo Alto, CA |
| 2001 | Visiting Professor Betty C. Smith Lecturer | Dartmouth Medical School Hanover, NH |
| 2001 | Keynote Speaker | XIII World Congress in Pediatric and Adolescent Gynecology, Buenos Aires |
| 2002 | Ray Kroc Visiting Professor | University of Vermont, Burlington, VT |

2006 ACES Visiting Professor Case Western Reserve School of Medicine

Hospital and Health Care Organization Clinical Responsibilities:

Major Administrative Responsibilities:

1992-97	Program Director	MCHB Interdisciplinary Adolescent Health Training Program
1997-	Program Director	MCHB Leadership Education in Adolescent Health Program
1996-	Program Director	MCHB Bright Futures Resource Center for Curricula in Behavioral Pediatrics and Adolescent Medicine
1997-	Chief	Division of Adolescent/Young Adult Medicine Children's Hospital, Boston
1998-	Co-Director	Center for Young Women's Health Children's Hospital, Boston
2000-	Director	Office of Faculty Development Children's Hospital, Boston
2003-	Vice Chair for Clinical Affairs	Dept of Medicine Children's Hospital Boston

Major Committee Assignments:

Harvard Medical School

1993-97	Steering Committee	Prevention and Nutrition Course for 2nd Year Medical Students
1993-96	Primary Care Committee	
1999-	Joint Committee on the Status of Women	Member
1999-	Children's Hospital Representative to the Dean's Committee on Women and Careers	
2001-2	HMS LCGME Study Group	
2002-	HMS Academy Steering Committee	
2002-5	HMS Department of Continuing Medical Education Committee	
2002-	HMS Subcommittee on Academic Leadership for Women	

Affiliated Institutions

1988-	Library Committee Children's Hospital Boston	Chair
1991-2003	Medical Staff Executive Committee Children's Hospital, Boston	At Large Delegate Representing the Medical Staff
1998-2001	Medical Staff Organization	Secretary

2001-03	Medical Staff Organization	Vice-President
2003-05	Medical Staff Organization	Secretary
2001-	Physicians' Organization	Secretary
2004-	Physician's Organization	Treasurer
1999-	Center of Excellence in Women's Health Research Sub-Committee Partner's, CareGroup and HMS	Member
2005-	Clinical Research Executive Committee	Member
<i>Regional</i>		
1992-	Massachusetts AAP Committee on Adolescence	Member
1992-	MCHB Regional Advisory Committee	Chair
1993-	Massachusetts Governor's Adolescent Health Council	Member (1 of 5 public members appointed)
<i>National</i>		
1982-1984	National Medical Committee Planned Parenthood Federation of America	Member
1991-1997	Sub-Board of Adolescent Medicine American Board of Pediatrics	Member
1993-	AMA GAPS Implementation Committee	Member
1997-	AMA GAPS Residency Curriculum Committee	Member
1998-	New Subspecialties Committee American Board of Pediatrics	Member
1998-	Reviewer, ACGME, Adolescent Medicine	
2001-2	Committee on Adolescent Pap Smear Screening American Cancer Society	Member
2004-	Maintenance of Certification Part II American Board of Pediatrics, Adolescent Medicine	Chair
2005-	Maintenance of Certification Part IV American Board of Pediatrics, Adolescent Medicine	Member

Professional Society Involvement:*Society for Adolescent Medicine*

1982	Chairperson, Nominating Committee
1984-1988	Member, Awards Committee
1984-1988; 1990-1993	Member, Program Committee
1987-1990	Member, Abstract Selection Committee
1989-1990	Chair, Ad Hoc Committee for Reproductive Health
1990-1993	Chair, Abstract Selection Committee
1994-1997	Board of Directors

American Professional Society in the Abuse of Children (APSAC)

1985-1988	Member, Task Force of Physical Examiners Group of Sexually Abused Children
1991-1998	Member, Task Force in the Guidelines for the Medical Evaluation of Abused and Neglected Children

North American Society for Pediatric and Adolescent Gynecology

1986-1991	Executive Board
1990-1996	Abstract Committee
1991-1996	Chair, Norplant Study Group
1995-1997	Member, Program Committee
1995-1996	President Elect, Member of the Executive Board
1996-1997	President
1997-1998	Past President, Member of the Executive Board
1998-	Past Presidents' Council

American Academy of Pediatrics

1993-1995	Consultant, Committee on Adolescence, Rape and the Adolescent
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Community Service Related to Professional Work:

1975-1976	Consultant on Health Care for Exeter Academy
1976-1978	Member, Task Force Maternal and Child Health Medical Foundation
1984-1985	Consultant to Boston Public Schools on Health Education
1993-	Board and Research Committee of Healthy Adolescent Project, Alliance for Young Families
1993, 2000	Reviewer of MCHB Bright Futures
1994	Participant, MCHB Transition to Adult Living for Individuals with Spina Bifida
1996	Consultant to Department of Public Health for Guidelines for Health Care for Uninsured Children and Adolescents in Massachusetts
1997-2002	Consultant to Department of Public Health for Transition Project for Adolescents with Chronic Illness

Editorial Boards:

1982-1984	Editorial Board	Pediatric and Adolescent Gynecology
1984-1995	Editorial Board	Pediatric Emergency Care
1984-1986	Editorial Board	Miami Children's Hospital Journal
1987-	Editorial Advisory Board	Adolescent and Pediatric Gynecology
1987-1995	Editorial Board	Journal of Pediatrics
1990-2004	Associate Editor	The Contraception Report
1990-1996	Editorial Advisory Board	Adolescent Medicine: State of the Art Reviews
1990-2004	Editor	Adolescent Medicine Section: Current Opinions in Pediatrics
1991-1994	Editorial Board	AAP Magazine for Teens
1992-1993	Editorial Board	Harvard Family Newsletter
1997-2000	Women's Health Website Advisory Board	American Medical Association
1998-2004	Editorial Board	Journal of Adolescent Health

Awards and Honors:

1965	Phi Beta Kappa
1970	Alpha Omega Alpha
1995	Society for Adolescent Medicine (Wyeth-Ayerst) Visiting professor in Adolescent Medicine
1995	Keynote Speaker, XIth World Congress in Pediatric and Adolescent Gynecology
1997	Melbourne (Australia) Post-Graduate Fortnight Visiting Professor of Pediatrics
1999	Keynote Speaker, Japan Pediatric Society
2001	Keynote Speaker, XIIIth World Congress in Pediatric and Adolescent Gynecology
2002	Ray Kroc Visiting Professor, University of Vermont, Burlington, VT
2006	AAP Adele Dellenbaugh Hofmann Adolescent Health Award

Narrative Report of Clinical Practice

After completing my pediatric residency at Children's Hospital, I completed an adolescent medicine fellowship at Children's Hospital and trained in medical gynecology at the Beth Israel Hospital. My clinical practice, teaching and research have centered on the health care of adolescent girls, particularly from the perspective of reproductive health. I have provided primary care to numerous adolescent girls, including the daughters of many medical school faculty, and subspecialty reproductive endocrine and gynecology care to patients from the Boston and the suburbs as well as seeing regional and national referrals. Each week, I provide care to my own patients in one 4 hour Adolescent Medicine session and one 4 hour Gynecology session; and precept one 3 hour Reproductive Endocrine session each week at Children's Hospital Boston. I also provide telephone consultation to patients and families approximately 2 hours per week and provide telephone consultations to physicians locally and nationally a minimum of 1 to 2 hours per week.

With Donald Goldstein, I founded the program in Pediatric and Adolescent Gynecology at Children's Hospital in 1973-4, and we published a text in 1977 entitled *Pediatric and Adolescent Gynecology*. This book is now in its fifth edition (Emans, Laufer and Goldstein, Lippincott, 2005) and is the most popular text in this field for primary care physicians and nurse practitioners in the U.S. It has grown from a text of under 200 pages to a comprehensive text of over 1000 pages. The Division of Adolescent Medicine and the Division of Gynecology (Chief, Marc Laufer) are nationally recognized as the leading authority and a center of excellence for the U.S. and the world in pediatric and adolescent gynecology, and we have made many contributions through teaching, research, and clinical care to this field. I was a founding member of the North American Society for Pediatric and Adolescent Gynecology in 1986, an organization that now has nearly 500 obstetrician/gynecologist and pediatrician members. For over 10 years, I was the only pediatrician of 7 editors for the *Contraception Report*, a report distributed to over 70,000 obstetricians/gynecologists and family practitioners. Since 1985, I have been Co-Director (with Dr. Joan Mansfield) of the Adolescent Reproductive Endocrine Program, a referral practice for adolescents with problems such as delayed development, irregular menses, and athletic amenorrhea. In 1998, I co-founded with Dr. Marc Laufer the Center for Young Women's Health at Children's Hospital, expanding clinical services and research, establishing a youth web advisory program and a new website www.youngwomenshealth.org.

For ten years I also provided consultation to the Sexual Abuse Team at Children's Hospital and completed all the medical examinations for this group of girls. I published a number of articles in this field and co-edited with Astrid Heger a text, entitled *Medical Evaluation of the Sexually Abused Child*, (Oxford, 1992); the second edition with editors Heger, Emans and Muram was published in 2001. I have served on the Taskforce in the Guidelines for the Medical Evaluation of Abused and Neglected Children for APSAC and lectured extensively on this subject.

I was Associate Chief of the Division of Adolescent Medicine 1975-1992, Clinical Director of the Adolescent Practice at Children's Hospital in 1992, the Co-Chief of the Division of Adolescent/Young Adult Medicine in 1993, and the Chief in 1997. In addition, I became Vice Chair for Clinical Affairs for the Department of Medicine in 2003. I have received numerous invitations to speak nationally and internationally and accept a small number each year. I was named one of 400 Best Doctors for Women by Good Housekeeping in 1997. Of particular relevance as listed earlier in the CV, I am or was a member of the editorial board of the *Journal of Pediatrics* (representing adolescent medicine), a member of the Implementation Committee for the AMA GAPS project, a member of the first SubBoard in Adolescent Medicine, American Board of Pediatrics (1991-97), the Project Director of one of seven MCHB Adolescent Health Training Programs in the U.S. (1992-97, 1997-2002, 2002-2007), the 1995 recipient of the Society for Adolescent Medicine (SAM) Visiting Professor Award, a Keynote Speaker at the XIth World Congress for Pediatric and Adolescent Gynecology (Singapore), a frequent speaker at AAP courses and other postgraduate courses, Visiting Professor to Duke and Washington University in 1996, Visiting Professor for 2 weeks in October 1997 for the Postgraduate Fortnight of the Royal Children Hospital and Monash Medical Center, Melbourne Australia, where I gave 14 lectures and workshops on clinical and research topics related to adolescent medicine and pediatric gynecology, Visiting Professor to Peking Union Medical College, Visiting Professor to Keio University in Japan and keynote speaker at the 102nd Annual Meeting of the Japan Pediatric Society, keynote speaker at the XIIIth World Congress in Pediatric and

Adolescent Gynecology in Buenos Aires, Argentina, plenary speaker at the HMS Los Angeles Pri-Med course, Visiting Professor for a named lectureship at St. Christopher's Hospital (13th Annual Ellen Soefer Memorial Guest Lecturer), Dartmouth Medical Center Betty C. Smith Lectureship in Adolescent Medicine, and Visiting Professor at Stanford Medical School. In 2006, I was honored with the American Academy of Pediatrics (AAP) Adele Dellenbaugh Hofmann Adolescent Health Award. Since 2000, I have also been the Director of Faculty Development, overseeing the career development of over 800 faculty at Children's Hospital Boston and have consulted with several institutions (UCLA, Washington University in St Louis, Galveston, etc) on developing faculty development programs and served as visiting Professor in faculty development for the ACES program at Case Western Reserve University.

Short Report of Research That Contributes to the Care of Patients

Current Research/Program Development Projects

MCHB Bright Futures Resource Center for Curricula in Behavioral Pediatrics and Adolescent Medicine. Project Director. This project completed a survey of residency programs, analysis of the findings, and development of curricula which have been rigorously tested in residency programs. The project has written 29 learner-centered cases, including one interactive case for the internet, and published three research articles and one brief report. In July 2000, the project launched a very successful website *pedicases.org* and in 2001 completed a three volume series of cases on growth and development, child behavior, and adolescent medicine. More than 862 copies of the Cases were requested and sent to more than 181 residency programs during the pilot phase, and by 2005 over 14,000 cases have been downloaded from the website by over 2800 different users. 17 workshops were given to over 800 training directors and faculty to disseminate the curricula and teaching methods over four years. The PIs are discussing updating this effort in 2006.

Teen Safe, Principle Investigator. The development of a dating violence prevention curricula.

Senior Faculty Advisor/Mentor on Fellow/Faculty projects including a pharmacological approach to osteoporosis in eating disorders, a menarche project, a national eating disorder screening project, a violence prevention project, and obesity prevention.

Previous research has centered on contraceptive compliance, new techniques for STD detection in males and females, genital findings in normal and sexually abused girls, genital findings in adolescents, and menstrual disorders (bone density in estrogen deficient states, oligomenorrhea).

Research Funding Information

1980	Principle Investigator, Folic Acid and Oral Contraceptives. Syntex Laboratories.
1985-1987	Principle Investigator, Estrogen Replacement and Bone Density. Wyeth-Ayerst Laboratories.
1985-1988	Principle Investigator, Contraceptive Compliance. Syntex Laboratories.

1988-1989	Principle Investigator, Contraceptive Compliance Triphasil vs. Norinyl 1/35. Wyeth-Ayerst Laboratories.
1988-1990	Co-Principle Investigator, Urethritis Leukocyte Esterase Dipstick Study and First Catch Urine Samples for EIA <u>Chlamydia trachomatis</u> Rapid Test. Boehringer Mannheim Diagnostics.
1992-1994	Principle Investigator, Hymenal Findings in Adolescent Women: Impact of Tampon use and Consensual Sexual Intercourse. Tambrands, Inc.
1992-1997	Principle Investigator, MCHB Adolescent Health Training Program.
1994-1997	Co-Investigator, Hepatitis B Project, Deborah Munroe Noonan Fund.
1996-2000	Principle Investigator, MCHB Bright Futures Center for Curricula in Behavioral Pediatrics and Adolescent Medicine.
1997-2001	Co-Principle Investigator, A Case Based Curriculum on Child Growth and Development, Genentech Foundation
1996-1999	Co-Principle Investigator, Individualized Safer Sex Education for High Risk Adolescent Girls, Harvard Pilgrim Health Care Foundation.
1997-2002	Principle Investigator, MCHB Leadership Education in Adolescent Health.
1998-2002	Principle Investigator, Massachusetts Youth with Disabilities Transitions Project
1998-2003	Co-Principle Investigator, Resource Center in Young Women's Health. Children's Hospital League; additional funding 2004-present
1999-2000	Principal Investigator, Urban Girl Web Advisory Project AOL Foundation, MCHB, Jr. League of Boston.
2000-2001	Principle Investigator, Reproductive Health Information Project, Center for Young Women's Health. Cabot Family Charitable Trust
2000-2001	Principle Investigator, MCH Bright Futures Project. Development of a 3 volume series and website pedicases.org Infrastructure
2002-2003	Principle Investigator, Nutrition and Fitness, Center for Young Women's Health
2002-2007	Principle Investigator, MCHB Leadership Education in Adolescent Health
2002-2003	Principle Investigator, Office of Women's Health, Teen Safe Project
2004-2005	Principle Investigator, Office of Women's Health, Teen PCOS
2004-2005	Principle Investigator, Cabot Family Charitable Trust, Bone

Health and PCOS

Report of Teaching Contributions and their Relationship to Clinical Practice:Local Contributions

A. Harvard Medical School Courses

- 1993-2003 Adolescent Medicine Rotation (502M.7)
 Director of one month clinical rotation (1-2 students/month)
 HMS Year III and IV students
 20 hours/month
 Attending, lecturer, organization
- 1993-99 Preventive Medicine and Nutrition (PM711.0)
 Steering Committee, Case writer of Adolescent Medicine case and
 tutor guide
 HMS Year II Students, 10-60 hours/year

B. Graduate Medical Courses

- 1995, 1997 Adolescent Health: Preventive Health Care (MCH208B)
 1998- Harvard School of Public Health
 Lecturer, Bright Futures and GAPS
 2 hour lecture, 2 hours preparation time

Other Selected Local Presentations

- 1983 Lecturer, Harvard Post Graduate Course in Obstetrics and Gynecology,
 Boston, MA
 Grand Rounds, Cambridge City Hospital, Cambridge, MA
 Grand Rounds, Massachusetts General Hospital, Boston, MA
- 1984 Lecturer, Harvard Post Graduate Course in Obstetrics and Gynecology,
 Boston, MA
 Grand Rounds, Waltham/Weston Hospital, Waltham, MA
 Grand Rounds, North Shore Children's Hospital
 Grand Rounds, Massachusetts General Hospital, Boston, MA
- 1985 Lecturer, Harvard Post Graduate Course in Obstetrics and Gynecology,
 Boston, MA
 Grand Rounds, Lynn Hospital
- 1986 Obstetric and Gynecology Grand Rounds, Beth Israel Hospital, Boston,
 MA
 Grand Rounds, Boston Floating Hospital, Boston, MA
 Lecturer, Children's Hospital Post Graduate Course in Pediatrics, Boston,
 MA
- 1988 District Attorneys' Conference, Bentley College. Child Sexual Abuse:
 Experiences in the Fels Acre Case. The Use of Colposcopy in the
 Evaluation of the Sexually Abused Child
- 1989 House Staff Rounds, New England Deaconess Hospital
- 1990 House Staff Rounds, New England Deaconess Hospital
 Middlesex County District Attorneys, Cambridge, MA
- 1991 Obstetric and Gynecology Grand Rounds at Beth Israel Hospital, Boston

	Grand Rounds, Children's Hospital, Boston, MA
	Pediatric Grand Rounds, Cambridge City Hospital
1993	Obstetric and Gynecology Grand Rounds, Malden Hospital, Malden, MA
	Grand Rounds, Massachusetts General Hospital, Boston, MA
	Action of Boston Community Development, Boston, MA
1994	Repro Symposium, Boston, MA
1995	Harvard Medical Class of '70 Symposium. Health of Adolescent Girls: Forgotten in the Women's Health Agenda? Harvard Medical School, Boston, MA
1996	Brigham and Women's Hospital, Reproductive Medicine Conference, Boston, MA
1997	Bright Futures Conference, Cambridge, MA
	Research Seminar, Children's Hospital, Boston, MA
	Pediatric Resident Rounds, Massachusetts General Hospital, Boston, MA
1997	HMS Pri-Med, Adolescent Preventive Services, Boston MA
1998	Brigham and Women's Hospital, Primary Care Course, Adolescent Health Care, Boston, MA
1999	Brigham and Women's Hospital, Primary Care Course, Menstrual Problems, Boston, MA
2000	Menstrual Problems, Metrowest Grand Rounds, Framingham MA

C. Continuing Medical Education Courses

Course Director and Lecturer

Post Graduate Course in Adolescent Medicine

Harvard Medical School

(1975 - present)

3-5 day course each year with 50-60 hours of organization, syllabus, slide preparation time. The Adolescent Medicine courses, for example, have consistently received outstanding evaluations. In 1996, 1997 and 1998, the "level of presentation" was highly rated by 98% to 100% of participants, "enough contact with the faculty" 95% to 98% (compared to a HMS overall of 91%), and the syllabus was rated "valuable" by 99% to 100%. The 1999, 2000 and several other Adolescent Medicine courses received recognition as one of the Harvard Medical School top ranked courses. Some of the lecture topics listed below:

1988	Chlamydia; Dysfunctional Uterine Bleeding
1989	Dysfunctional Uterine Bleeding; Contraception; Herpes and Chlamydia
1990	Contraception; Menstrual Problems; HIV Testing
1993	Menstrual Problems; Contraception
1994	Guidelines for Adolescent Preventive Services (GAPS); Dysfunctional Uterine Bleeding; Contraception; Menstrual Problems

1995	Guidelines for Adolescent Preventive Services (GAPS); Dysfunctional Uterine Bleeding; Contraception; Menstrual Problems
1996	GAPS; Difficult Cases of Confidentiality, Abuse, and Ethics in Teens; Menstrual Disorders; Contraception in the 1990's; Menstrual Case Workshop
1997	GAPS & Bright Futures; Management of Menstrual Problems; Contraceptive Options; Menstrual Cases (workshop); Legal Challenges in Adolescent Medicine (panel)
1998	Preventive Health Care for Teens; Starting the Teen on Hormonal Contraception; Dysfunctional Uterine Bleeding; Legal Challenges in Adolescent Medicine (panel); Contraceptive Choices and Difficult Patient Management Issues (panel); Cases of Delayed Puberty (workshop); Managing Complex Contraceptive Issues in Teens taking OC's or Depo-Provera (workshop)
1999	Preventive Health Care for Teens; Starting the Teen on Hormonal Contraception; Menstrual Problems (lecture and workshop); Challenging Legal Issues (panel); Managing Complex Contraceptive Issues (workshop).
2000	Bright Futures and GAPS for Teens; Menstrual Problems; Challenging Legal Issues (panel); Hormonal Contraception; Contraceptive Issues (workshop).
2001	Preventive Health Care; Menstrual Disorders, Contraception, Legal Issues, Oral Contraceptives (workshop), Menstrual Cases (workshop)
2002	Clinical Preventive Health Services, Contraception, Menstrual Disorders
2003	Adolescent Health, Contraception, Menstrual Disorders
2004	Contraception, Menstrual Disorders
2005	Adolescent Health, Contraception, Menstrual Disorders
2006	Contraception, Menstrual Disorders

Course Director and Lecturer

Post Graduate Course in Pediatric and Adolescent Gynecology
Harvard Medical School
(1983 - present)

2 day course biannually to annually; with 40-50 hours of organization and preparation time. The Pediatric Gynecology Course has received consistently superior ratings and was recognized as one of the top HMS courses in 1998 and 2000. Some of the lecture topics listed below:

1987	Gynecologic Examination of the Child and Adolescent; Chlamydia Infections; Colposcopy for the Evaluation of Sexual Abuse; Clinical Dilemmas from the Gynecology Service
1989	Gynecologic Examination of the Child and Adolescent; Gynecologic Problems of the Prepubertal Child; Vulvovaginal Infections; Cases from the Gynecology Service
1991	Vulvovaginitis and Sexual Abuse; Contraceptive Choices; Special Cases of Amenorrhea
1993	Introduction to Pediatric Gynecology, Age Appropriate

- Examinations, Vulvovaginitis; Sexual Abuse
- 1995 Age Appropriate Examinations; Vulvovaginitis; Sexual Abuse; Workshop on GAPS and Bright Futures; The Female Athletic Triad- Amenorrhea, Eating Disorders, Osteoporosis; Oral Contraceptives
- 1996 Introduction to Pediatric and Adolescent Gynecology: Age Appropriate Exams; Cases of Delayed Puberty; Contraception; Female Athlete Triad; Oral Contraception/Emergency Contraception; Stump the Professors
- 1997 Introduction to Pediatric and Adolescent Gynecology: Age Appropriate Examinations; Primary and Secondary Amenorrhea; Cases from our Practices: Menstrual Disorders; Starting the Adolescent in Oral Contraceptives; Panel - Challenging Legal Issues in Pediatric Gynecology; Stump the Professor
- 1998 Introduction to Pediatric and Adolescent Gynecology: Age Appropriate Examinations, Vulvovaginitis, Genital Findings in Sexual Abuse; Starting the Teen on Oral Contraceptives (workshop); Dysfunctional Uterine Bleeding; Challenging Legal Issues in Pediatric Gynecology (panel); Stump the Professor
- 1999 Introduction to Pediatric and Adolescent Gynecology: Age Appropriate Examinations, Vulvovaginitis; Starting the Teen on Oral Contraceptives (workshop); Dysfunctional Uterine Bleeding; Menstrual Problems (workshop); Challenging Legal Issues in Pediatric Gynecology (panel); Contraceptive Management Panel; Stump the Professor
- 2000 Introduction to Pediatric and Adolescent Gynecology: Age Appropriate Examinations; Menstrual Problems; Hormonal Contraceptives (workshop); Challenging Legal Issues in Pediatric Gynecology (panel); Contraceptive Management Panel
- 2001 Introduction to Pediatric and Adolescent Gynecology: Age Appropriate Examinations; Menstrual Problems; Hormonal Contraceptives (workshop); Challenging Legal Issues in Pediatric Gynecology (panel)
- 2003 Introduction to Pediatric and Adolescent Gynecology: Age Appropriate Examinations; Menstrual Problems; Hormonal Contraceptives; Challenging Legal Issues in Pediatric Gynecology (panel)
- 2004 Introduction to Pediatric and Adolescent Gynecology: Age Appropriate Examinations; Menstrual Problems; Hormonal Contraceptives; Challenging Legal Issues in Pediatric Gynecology (panel)
- 2005 Introduction to Pediatric and Adolescent Gynecology: Age Appropriate Examinations; Amenorrhea and DUB; PCOS; Hormonal Contraceptives; Challenging Legal Issues in Pediatric Gynecology (panel)
- 2006 Introduction to Pediatric and Adolescent Gynecology: Age Appropriate Examinations; Amenorrhea and DUB; Hormonal Contraceptives; Challenging Legal Issues in Pediatric

Gynecology (panel)

D. Advisory and Supervisory Responsibilities

- 1975- Medical students: Supervision of clinical care in adolescent medicine clinic, teaching conferences, providing feedback, and writing letters. Residents and Fellows: Supervision of clinical care 3-4 hours per week in the Adolescent Reproductive Endocrine Program (including teaching of Endocrine Fellows, gynecology residents, and Adolescent Medicine Fellows).
- 1985-2002 Inpatient attending on the Adolescent Inpatient Service at Children's Hospital (4 weeks annually until 1995, and then every other year) providing clinical supervision to residents and medical students.
- 1990- Inpatient and On-call Attending for the Adolescent Medical Practice (1/8-1/10 weeks; approximately 80 hours/year)
- 1994-96 Mentoring of one first year medical student each year interested in primary care (6-8 sessions/year)
- 1990-5 Mentoring of one undergraduate Radcliffe premedical student each year (20 hours/year)
- 1975- Mentoring and clinical and research supervision of all Fellows in Adolescent Medicine (10-20 hours/week) for 30 years. Have mentored the careers of more than 60 MD fellows, many of whom have gone on to nationally recognized leadership positions in adolescent medicine and in gynecology. Continue to mentor numerous faculty at Children's Hospital and in other universities and to mentor the interdisciplinary Fellows in psychology, nutrition, social work and nursing. PI of one of 7 MCHB Leadership Education in Adolescent Health Training Program (1992-97, 1997-2002, 2002-2007).
- 1992-2004 Clinical Director of the Adolescent Medical Practice at Children's Hospital, which provides more than 13,000 visits each year. As the Director, I also supervised the faculty and fellows in the care of patients at the satellite locations including the Lexington, Peabody, and the South Shore sites, Bentley College, and Germaine Lawrence School. The tasks include organizing the administration of the clinic, the faculty and fellow clinical and on-call schedules, the teaching conferences, and clinical supervision, with the Adolescent Medicine faculty, of 2 medical students, 3 Children's Hospital resident, 6 Fellows, and faculty.
- 1995-97 Wrote with Dr. Jan Paradise (BMC) and Sara Forman (CH) the curricular objectives and guidance for the pediatric residents for the adolescent medicine rotation when the BMC and Children's Hospital began their combined residency program.
- 1995-2002 Direct the Case writing and implementation of the resident cases for the Adolescent Medicine month each year for the pediatric continuity clinic conferences.
- 1992- Director of the Interdisciplinary Adolescent Health Training Program (now entitled Leadership Education in Adolescent Health), one of seven

funded by MCHB in the U.S., which trains physician Fellows, nurses, psychologists, nutritionists, and social workers for leadership positions in adolescent health. The program transformed fellowship training at Children's Hospital from a one year clinical fellowship for physicians to a three year Adolescent Medicine subspecialty fellowship with eligibility for certification under the American Board of Pediatrics and the American Board of Internal Medicine. Dr. Emans was funded as the program director 1992-7 and was funded for another five years 1997-2002 (the only one led by a woman) and again 2002-2007. With the input from the other disciplines, she has written the training objectives, evaluation criteria, and the curriculum, directs the overall program, and specifically oversees the teaching, clinical care, and writing and research projects of the Adolescent Medicine fellows. She supervises the clinical care and research projects of 6-7 Fellows (2-3 first year, 2-3 second year, 2-3 third year fellows) and junior faculty. Time is estimated to be 20 hours per week. At the 2001 Society for Adolescent Meetings, 5/6 nominees for New Investigator were trainees or faculty in the Boston Children's Adolescent Health Training Program.

1998-2002 PI of MIYD grant and supervisor of transition nurse and coordinator
 1998- Co-Director of the Center for Young Women's Health. Recruitment and direct supervision of the medical librarian, nurse educator, youth coordinator, and the outreach worker in the Resource Center. Development of the research and training missions of the center.

E. Leadership Roles

(see other sections)

Course Director of two Harvard Medical School Postgraduate Courses (as noted above)
 Adolescent Medicine
 Pediatric and Adolescent Gynecology

Adolescent Medicine Fellowship Curricula for Children's Hospital Adolescent Medicine
 Training Program
 Wrote curricula and directs implementation

Adolescent Medicine Residency Curricula at Children's Hospital
 Wrote curricula with Jan Paradise and Pauline Sheehan (BMC)
 and Sara Forman (CH)

Prevention and Nutrition Course PM 711.0
 Steering Committee (as noted above)
 Wrote the Adolescent Medicine Case and tutor guide

Regional, National, or International Contributions

- A. Selected invited Presentations on adolescent medicine, pediatric and adolescent gynecology, sexual abuse, age appropriate gynecological examinations, primary and secondary amenorrhea, vulvovaginitis, STDs, contraception, GAPS and Bright Futures, and teen pregnancy.

- 1977 Visiting Professor, Cook County Hospital and Chicago Pediatric Society, Chicago
- 1978 Lecturer, Utah AAP Salt Lake City, Utah
- 1979 Lecturer, New York University, NY
Lecturer, American Academy of Pediatrics, San Francisco, CA
Lecturer, California Chapter, American Academy of Pediatrics, Las Vegas
- 1980 Grand Rounds, University of Massachusetts, Worcester, MA
Lecturer, New Hampshire Pediatric Society, Lebanon, NH
Lecturer, Pediatric CME Course, University of Vermont, Stowe, VT
Lecturer, American Academy of Pediatrics, Detroit, MI
- 1981 Lecturer, California Chapter, American Academy of Pediatrics, CA
Lecturer, Family Practice Conference, Stowe, VT
Lecturer, American Academy of Pediatrics, New Orleans
- 1982 Lecturer, Variety Children's Post Graduate Course, Miami, FL
Visiting Professor, Chicago Memorial Hospital, Chicago, IL
Lecturer, New England Chapter of American College of Obstetricians and Gynecologists, Boston, MA
Lecturer, University of Massachusetts Medical School, Worcester, MA
Lecturer, Yale-New Haven Hospital, New Haven, CT
- 1983 Lecturer, California Chapter, American Academy of Pediatrics, CA
Lecturer, University of Puerto Rico, San Juan, Puerto Rico
Plenary Speaker, AAP Sections on Adolescent Health and Sports Medicine, San Francisco, CA
- 1984 Lecturer, University of Miami Pediatric Society, Tampa, FL
Lecturer, Northern California Chapter of Academy of the American Pediatrics, Monterey, CA
- 1985 Visiting Professor in Adolescent Medicine, Fitzsimmons Army Medical Center, Denver, CO
- 1986 Lecturer, Society for Adolescent Medicine Annual Meeting, Boston, MA
Lecturer, American Academy of Pediatrics Committee on Sports Medicine, Boston, MA
Lecturer, VIII International Congress of Pediatric and Adolescent Gynecology, Washington, DC
Lecturer, American Academy of Pediatrics, CME Course, Maui, HI
Plenary Presentation, World Congress of Pediatrics, Honolulu, HI
Lecturer, American Academy of Pediatrics, Washington, DC
- 1987 Four Plenary Presentations and Workshops, California Chapter II of the Academy of American Pediatrics, Palm Springs, CA
Plenary Presentation, Massachusetts Chapter of the American Academy of Family Practice, Newport, RI
Four lectures on Pediatric and Adolescent Gynecology, Northern California Chapter American Academy of Pediatrics, Alaska
Two lectures and two workshops, North American Society of Pediatric

- and Adolescent Gynecology, Cleveland, OH
- 1988 Lecturer, North American Society for Pediatric and Adolescent Gynecology, Denver, CO
 Plenary and Workshop Presentations, Maine Chapter of the American Academy of Pediatrics, Rockland, ME
 4 Plenary Lectures, The American Academy of Pediatrics CME Course, Hiltonhead, SC
 Adolescent Gynecology Section Presentation, American College of Obstetrics and Gynecology, Boston, MA
 Plenary Lecture, North American Society for Pediatric and Adolescent Gynecology. Houston, Texas
- 1989 Seminar Speaker, American Academy of Pediatrics. San Francisco, CA
 Grand Rounds, Nashua Memorial Hospital, Nashua, NH
 Plenary Presentation, American College of Osteopathic Pediatricians. Boston, MA
- 1990 Seminar Speaker, North American Society for Pediatric and Adolescent Gynecology, Cosa Mesa, CA
 Plenary and Workshop Presentation, Society for Adolescent Medicine, Atlanta, GA.
 Plenary and Workshop Presentations, California Chapter, American Academy of Pediatrics, CA
 Plenary and Seminar Speaker, American Academy of Pediatrics, Boston, MA
 Plenary Speaker, Emron Symposium on Contraception, San Francisco, CA
 Lecturer, Essex County District Attorneys, MA
 Lecturer, Rhode Island District Attorneys, Providence, RI
- 1991 Seminar Speaker, Society for Adolescent Medicine, Denver, CO
 Plenary and three workshop presentations, North American Society for Pediatric and Adolescent Gynecology, Florida
 Plenary Speaker, American Academy of Family Physicians, Washington DC
 Plenary Speaker, New England Society for Adolescent Medicine, Salem, MA
 Seminar Speaker, American Academy of Pediatrics, New Orleans
- 1992 Workshop Speaker, Society for Adolescent Medicine,
 3 Plenary and One Workshop Presentation, American Academy of Pediatrics, CME Course, Orlando, Florida
 Seminar Speaker, American Academy of Pediatrics, San Francisco
 Seminar Speaker, North American Society for Pediatric and Adolescent Gynecology, Nashville, TN
- 1993 Seminar Chair, An Invitational Symposium of SAM, NASPAG, AAP and ACOG on Adolescent Sexuality and Pediatric and Adolescent Gynecology, Colorado Springs, CO
 Women's Health Invitational Conference Participant in Adolescent Health Consensus Group, Washington, DC
 Seminar Speaker, American Academy of Pediatrics, Washington, DC

- Workshop Speaker, Reproductive Health Professionals, Amelia Island, FL
 Visiting Professor, DuPont Institute, Wilmington, DE
- 1994 Plenary and Workshop Speaker, University of Miami, Masters of Pediatrics Course, Miami, FL
 Workshop Speaker, North American Society for Pediatric and Adolescent Gynecology, Atlanta, GA
- 1995 Plenary Lecturer, Gynecology Update in Primary Care, Orlando, FL
 Keynote Speaker, XIth World Congress in Pediatric and Adolescent Gynecology, Singapore.
 Lecturer, North American Society for Pediatric and Adolescent Gynecology, Atlanta, GA
 Plenary Speaker, Adolescent Medicine Course, Cleveland Clinic Foundation
 Workshop Presentations, North American Society for Pediatric and Adolescent Gynecology, Toronto, Canada
 Workshop Speaker, Public Responsibility in Medicine and Research (PRIM&R), Ethical and Policy Issues in Research with Children and Adolescents. Boston, MA
 Plenary Speaker, Primary Medicine Today Pri-Med, Harvard Medical School, Boston, MA
 Master Trainer for Train-The-Trainer AMA Workshop for GAPS, Chicago, II
 Plenary Presentations, AAP Section on Adolescent Health, San Francisco, CA
 Plenary Speaker, AAP Section on Urology, San Francisco, CA
 Plenary Speaker, NASPAG Post Graduate Course, Houston, TX
- 1996 Visiting Professor, Washington University, St. Louis, Missouri
 New Hampshire Pediatric Society, Manchester, NH
 Visiting Professor, Duke University Medical Center, Durham, NC
 Workshop Speaker, North American Society for Pediatric and Adolescent Gynecology, San Diego, CA
 3 Plenary Presentations and one workshop, Vermont Summer Pediatric Summer Seminar, University of Vermont, Department of Pediatrics, Manchester, VT
 Moderator and Lecturer, Pediatric Annals Symposium, Boston, MA
 Plenary Speaker and Seminar Presentation, American Academy of Pediatrics, Adolescent Gynecology (Seminar) and Emergency Contraception (Plenary), Boston, MA
 Plenary Speaker, NASPAG Post Graduate Course, Atlanta, GA
- 1997 Workshop Speaker, Society for Adolescent Medicine, San Francisco, CA
 Lecturer, Washington University School of Medicine, St. Louis, Missouri
 Postgraduate Fortnight Visiting Professor in Pediatrics, Royal Children's Hospital and Monash Medical Center, Melbourne, Australia
- 1998 Lecturer, Noland Foundation Adolescent Medicine Seminar, Orlando, FL
 Lecturer, New Hampshire Pediatric Society and Dartmouth Medical School Pediatric Course, Waterville Valley, NH

- Lecturer, North American Society Pediatric and Adolescent Gynecology, New Orleans, LA
- Lecturer, Rhode Island Chapter of the AAP, Newport, RI
- Lecturer, American Academy of Family Practice, Portland, OR
- 1999 Visiting Professor, Peking Union Medical College, Beijing, China
Visiting Professor, Family Planning Institute, Shanghai, China
Visiting Professor, Keio University, Tokyo, Japan
Keynote Speaker, 102nd Annual Meeting of Japan Pediatric Society, Tokyo, Japan
- 2000 Lecturer, HMS Pri-Med, Long Beach, CA
Lecturer for 2 Workshops at the AAP/SPR/APA meeting, Boston MA
Lecturer, Society for Adolescent Medicine Meeting, Washington DC
- 2001 Lecturer, HMS Pri-Med, Long Beach, CA
Lecturer, Society for Adolescent Medicine Meeting, San Diego
Visiting Professor, 13th Annual Ellen Soefer Memorial Lectureship, St. Christopher's Hospital, Philadelphia, PA
Keynote Speaker, XIIIth World Congress in Pediatric and Adolescent Gynecology, Buenos Aires, Argentina
American Academy of Pediatrics, San Francisco CA
- 2002 Lecturer, Society for Adolescent Medicine, Boston
Lecturer, North American Society for Pediatric and Adolescent Gynecology, Florida
- 2003 Lecturer, Society for Adolescent Medicine, Boston
Lecturer, North American Society for Pediatric and Adolescent Gynecology, Philadelphia
- 2004 Lecturer, HMS Pri-Med, Long Beach, California
Lecturer, Society for Adolescent Medicine, St Louis
Lecturer, North American Society for Pediatric and Adolescent La Jolla, CA
Lecturer, PAS Symposium, San Francisco, CA
Lecturer, American Academy of Pediatrics, San Francisco, CA
- 2005 Lecturer, American Academy of Family Medicine, San Francisco, CA
Lecturer, Society for Adolescent Medicine Program Directors Meeting, Los Angeles, CA
Lecturer, North American Society for Pediatric and Adolescent Gynecology, New Orleans, Louisiana
Keynote lecturer, New England Regional Chapter, SAM
- 2006 Lecturer, American Academy of Family Practice, San Diego, CA
Lecturer, Society for Adolescent Medicine, Boston, MA
Lecturer, North American Society for Pediatric and Adolescent Gynecology, Orlando, FL
Lecturer, Case Western Reserve University

B. Professional Leadership Roles Related to Teaching

- 1991- SubBoard of Adolescent Medicine, American Board of Pediatrics (1991-1997). As one of the first 8 members of the SubBoard, I was responsible for writing the content outline, the curricular requirements and the fellowship specifications, and the questions for the Board exams in 1994 and 1997 in Adolescent Medicine. My questions constituted 26% of the Board questions on the 1997 examination. I have continued to serve on ABP committees, including the New Subspecialties Committee, the Maintenance of Certification Committees Part II (Chair) and Part IV (member).
- 1995- 97 AMA Master Trainer (one of three) for the Train the Trainer Curricula in GAPS. I worked with the AMA staff to create a curricula (TOT) for training physician leaders to train other physicians in the implementation of clinical preventive services in the office setting and taught the curricula.
- 1991-95 Teaching of workshops at SAM (1991) and NASPAG (1991, 1994, 1995) on “Teaching Residents about Gynecology”
- 1995 The Divisions of Gynecology and Adolescent Medicine collaborated with Women’s Health Care Video Library Inc. in the production of a video entitled “Adolescence, A Woman’s First Transition” which won an award as one of the Best Videos of 1995 from the American Library Association.
- 1996- Project director of the MCHB Resource Center for Curricula in Behavioral Pediatrics and Adolescent Medicine. In this role, I completed a national survey of U.S. pediatric residency programs on adolescent medicine and behavioral pediatrics training and provided a needs assessment for new curricula. The abstract on adolescent health training was presented at the Society for Adolescent Medicine meeting in March 1998 and the paper published in *Pediatrics*. In a collaborative project between Behavioral Pediatrics (John Knight) and with additional funding from the Genentech Foundation, this project has created 29 written cases and one interactive case for the web for residency training in adolescent medicine and behavioral pediatrics. The cases were piloted in the Children’s Hospital Residency Program and in numerous other residency programs in the U.S. The Website *pedicases.org* was launched in July 2000. I co-directed an Institute with Dr. Jennifer Johnson at the Society for Adolescent Medicine on teaching adolescent medicine to residents (March 1998) and a workshop on case-based teaching at the Society for Adolescent Medicine (March 1999). A total of 17 workshops have been given at regional and national meetings to disseminate this curricula. As noted above, more than 18,000 cases have been downloaded by more than 4000 educators.
- 1998- Co-Director, Center for Young Women’s Health. In this role, I have created a website youngwomenshealth.org with health information for parents, teens, and clinicians, a resource center at Children’s Hospital, a model youth advisory program, and outreach to schools and community groups. The website information is being translated into Spanish to reach a wider audience. The website receives over 70,000 unique users each week.

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3. Emans SJ, Goldstein DP. The gynecological exam of the prepubertal child with vulvovaginitis. *Pediatrics* 1980; 65:758-760.
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6. Emans SJ, Grace E, Goldstein DP. Oligomenorrhea in adolescent girls. *J Pediatr* 1980; 97:815-819.
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9. Scher P, Emans SJ, Grace E. Factors associated with compliance to oral contraceptive use in an adolescent population. *J Adol Health Care* 1982; 3:120-123.
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Clinical Communications

1. Emans SJ and Breitenbach M. Adolescent Case. *Prevention and Nutrition in Adolescence*, Harvard Medical School, 1994.
2. Emans SJ. Case Author or Case Advisor/Editor. *Bright Futures Cases: Sexual Abuse; Understanding Growth; Turner Syndrome and Short Stature; Turner Syndrome and Delayed Puberty; Growth and Chronic Disease; Young Adolescent Health Screening; Middle Adolescent Health Screening; Late Adolescent Health Screening; Sexually Transmitted Diseases; Contraception 1 and 2; Teen Pregnancy; HIV and the Adolescent; Dysfunctional Uterine Bleeding; Anorexia Nervosa; Depression; and Adolescent Substance Abuse*

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