

⌘ CURRICULUM VITAE ⌘

Eric Scott Sills, MD PhD

FACOG FACS FRCPI FSB

**HRC Fertility—Orange County**

**Office address**

500 Superior Ave, Suite 210  
Newport Beach, CA 92663  
☎ +949 287-5600  
✉ escottsills@yahoo.com

**Personal information**

*Birthdate/place*  
April 27, 1965 / Oak Ridge, Tennessee USA  
*Citizenship, Marital status*  
USA            married

**Areas of Expertise**

Physiology & Reproductive Biology  
Clinical Gynecologic Endocrinology/Minimal access pelvic surgery

**Licensure/Registration**

DEA Registration [**United States**]  
General Medical Council [**United Kingdom**]  
Medical Council (*Specialist Register*, 2010-2011) [**Ireland**]

State of California #G88985    State of New York #195607    United Kingdom GMC #7056747

**Education & Postgraduate training**

B.A., Vanderbilt University (1987)  
M.D., University of Tennessee (1992)  
Ph.D., University of Westminster (2013)

- 7/1992-6/1996    *Resident & Chief Resident* - Department of Obstetrics & Gynecology  
**NYU Downtown Hospital**; New York, NY USA  
Department Chair: William E. Strider, MD PhD
- 3/1994-4/1994    *Resident* - Gynecology Division/Department of Surgery  
**Memorial Sloan-Kettering Cancer Center**; New York, NY USA  
Division Chief: William J. Hoskins, MD
- 7/1996-6/1998    *Clinical Instructor & Fellow* - Center For Reproductive Medicine & Infertility  
**Cornell University Medical College**; New York, NY USA  
Division Director: Zev Rosenwaks, MD

**Qualifications**

*Fellow* - American College of Obstetricians & Gynecologists  
*Fellow* - American College of Surgeons  
*Fellow* - Royal College of Physicians (Ireland)  
*Fellow* - Society of Biology (United Kingdom)

### Academic & Professional Activities

PhD, **Univ Westminster** (Lond) Thesis, 2013: *An evidence-based policy for the provision of subsidised fertility treatment in California: Integration of array comparative genomic hybridisation with IVF and mandatory single embryo transfer to lower multiple gestation and preterm birth rates.* Doctoral supervisor: Joanne F. Murray, PhD. Thesis Examiners: L Webley, S Arulkumaran (BMA/FIGO)

Expert referee, **National Research Foundation**; Pretoria, South Africa (2010-2011)

Scientific Board, **Palermo Foundation**; New York, New York (2006-2013)

Scientific Award Jury Committee, **Royan Institute**; Tehran, Iran (2005, 2006, 2010-13)

Presidential Search Advisory Committee, **Tennessee Board of Regents** [Roane State] (2005)

Board of Directors, **Vicor Technologies, Inc.**; Ft. Lauderdale, Florida (2001-2005)

Editorial Board, **International Council For Infertility Information Dissemination**  
Arlington, Virginia (1999-2005)

Government Affairs Committee, **New York County Medical Society**  
New York, New York (1995-1996)

*Co-chair* - Endometriosis & Infertility Panel, **15<sup>th</sup> FIGO World Congress of Gynecology & Obstetrics**; Copenhagen, Denmark (1997)

*National Chairman* - **Resident Credentials Committee**, American Medical Association;  
Washington, D.C. (1995)

*Chairman* - **New York Downtown Hospital Resident Medical Board**; New York, New York  
(1994-1996)

### Teaching/Editorial Responsibilities

2009 - 2011 *Visiting faculty lecturer* – Department of Obstetrics & Gynecology, School of Medicine,  
Lviv National Medical University; Lviv, Ukraine

2008 - 2011 *Lecturer* - Department of Obstetrics & Gynaecology, School of Medicine  
Royal College of Surgeons in Ireland; Dublin, Ireland

2004 - 2005 *Adjunct Professor* - Department of Biology, Georgia Perimeter College;  
Atlanta, Georgia USA (Dunwoody campus)  
Courses taught: BIOL 1612 (Human anatomy & physiology)  
BIOL 1612L (laboratory)

2002 - 2005 *Division Director*, Reproductive Endocrinology  
Department of Obstetrics & Gynecology, Atlanta Medical Center; Atlanta, Georgia

2004 - *Editor-in-Chief* - Journal of Experimental & Clinical Assisted Reproduction  
ISSN 1743-1050 Publisher: *The Sims Institute Press Ltd* (Dublin)

1996-1998 *Instructor* – Department of Obstetrics & Gynecology  
Weill College of Medicine, Cornell University; New York, New York USA

## Leadership, Honors & Awards

**Member - U. S. Federation of State Medical Boards**, Editorial Committee (2013-2015)  
Committee for Education (2011-2012)

The Federation of State Medical Boards is the coordinating body for all 70 professional licensure & regulatory boards in the United States. Additionally, FSMB co-sponsors the multipart examination (USMLE) used to determine eligibility for medical licensure in the United States for all physicians holding the M.D. degree. The Educational Committee also organizes all FSMB forums and educational programs for medical board staff and board members. The Editorial Committee supervises the *Journal of Medical Regulation* on behalf of the FSMB.

Elected by **FSMB Executive Officers** [3 year term]

**Member - New York State Board for Medicine** (2008-2011)

The New York Medical Board (a constituent commission of the **New York State Education Department**) oversees medical licensure applications and license reinstatements for all physicians (MD & DO degree holders) in New York State, as well as regulates the fourteen medical degree-granting institutions chartered in New York State.

Appointed by **New York State Board of Regents** [5 year term]

**Member - Board of Trustees, Tennessee State Dept. of Mental Health** (1986-1992)

The Board of Trustees hires facility superintendents and senior staff and governs operation of all inpatient psychiatric institutes, mental health clinics and substance abuse programs in Tennessee, managing a budget of >US\$300M.

Appointed by **Governor of Tennessee** [6 year term]

**Recipient - Physician Recognition Award** (*with commendation*)

American Medical Association (2001-2003/re-conferred 2004-2007, 2007-2010)

**Recipient - Outstanding Alumnus Award**

Roane State Community College; Harriman, Tennessee USA (2004)

**Recipient - Distinguished Physician Award "At The Core Of Care Award"**

The Cooper Institute For Advanced Studies in Medicine & the Humanities; Naples (2000)

**Recipient - National Resident Physician Leadership Prize**

American Medical Association, in association with Glaxo+Wellcome Corporation; Chicago (1995)

## Society Memberships & Professional Affiliations

World Association of Medical Editors [Toronto]

International Scientific College, International Academy of Sciences [San Marino]

International Committee of Medical Journal Editors [New York]

Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V. [Munich]

Royal Society of Medicine [London]

New York Academy of Sciences [New York]

American College of Obstetricians & Gynecologists [Washington, DC]

American College of Surgeons [Chicago]

American Society for Reproductive Medicine [Birmingham]

British Fertility Society [London]

## Administrative & Clinical Experience

1. Dec 2013 – [present] *Staff Physician*

### **HRC—Fertility (Newport Beach & Oceanside)**

*Clinical activity includes reproductive endocrinology practice providing early pregnancy assessment comprehensive assisted fertility treatments including ovulation induction, advanced operative laparoscopy/hysteroscopy, IVF and embryo transfer.*

FSMB

*Fellow of the Corporation*

*(term expires June 2017)*

**U.S. Federation of State Medical Boards** (Editorial Committee, *J Med Regulation*)

2. Jul 2011 – Nov 2013 *Medical Director*

### **Pacific Reproductive Center (Orange County, California)**

*Academic responsibilities included oversight of sponsored research activity, project supervision, establishing academic cooperatives with U.S. and international institutional partners, management of all manuscripts, grant staff and center publications. Clinical work entailed reproductive endocrinology practice providing early pregnancy assessment, comprehensive assisted fertility treatments including ovulation induction, advanced operative laparoscopy/hysteroscopy, IVF and embryo transfer.*

3. May 2008 - Jun 2011 *Director of Research Programmes & Physician*

### **The Sims Institute/Sims IVF [Dublin, IRL]**

*Administrative duties include oversight of all clinical investigative programs within the Institute, supervision of research nurses and RCSI medical students during project development, clinical trials, management of medical manuscript submission/editing/revising, lecturer (reproductive biology) for staff, maintain collaborations with outside organizations to facilitate interagency research goals, draft training guidelines for centre accreditation by relevant Boards & Commissions in Europe and USA. Reproductive endocrinology practitioner providing comprehensive assisted fertility treatments, including ovulation induction and IVF-embryo transfer. Transferred practice back home to USA after 3ys in Europe.*

4. Mar 2007 - Apr 2008 *Reproductive endocrinologist*

### **RMA Vassar Brothers [New York]**

*Provided advanced fertility diagnostic & treatment services as the first full-time reproductive endocrinologist in Dutchess County, New York. Vacancy resulted from practice closure.*

5. Nov 2005 - Nov 2006 *Lead physician & Acting Chair*

### **Department of Obstetrics & Gynecology, Murphy Medical Center [Murphy, North Carolina]**

*Supervised nurse practitioners at Cherokee County Health Department and provided temporary OBGYN coverage for patients in underserved six-county region, until full-time generalist recruited.*

6. Jun 2002 - Jun 2005 *Reproductive Endocrinology and Infertility Division Director*

### **Department of Obstetrics & Gynecology, Atlanta Medical Center [Atlanta]**

*Developed teaching aims for AMC housestaff and supported research projects in reproductive biology.*

Mar 2000 - Sept 2005 *Partner*

### **Georgia Reproductive Specialists [Atlanta]**

*Framed operating agreement with corporate attorneys (founding member for new practice), interviewed all nursing and clerical staff, gave periodic performance evaluations and employee feedback, served as Secretary to the LLC and Board of Managers, monitored financial data and provided input on practice growth initiatives. Departed organization and sold ownership shares when full practice expansion had been achieved.*

Dec 1998 - Feb 2000 *Associate Medical Director*

### **Atlanta Reproductive Health Center [Atlanta]**

*Performed IVF and other reproductive medicine services; in 2000, this clinic was absorbed by Georgia Reproductive Specialists LLC as the successor practice.*

Journal reviewer (*ad hoc*) - Archives of Gynecology & Obstetrics (2008)  
Asian Journal of Andrology (2002, 2004, 2011)  
BMC Medical Genetics (2009)  
BMC Pregnancy Childbirth (2003)  
BMC Women's Health (2010)  
Clinical Genetics (2003)  
Drug News & Perspectives (2009)  
European Journal of Obstetrics, Gynecology & Reproductive Medicine (2012)  
Expert Opinion in Obstetrics & Gynecology (2007)  
Expert Opinion in Pharmacotherapy (2002)  
Expert Review in Clinical Immunology (2008)  
Fertility & Sterility (2002, 2003, 2010-2012)  
Human Reproduction (1999, 2000, 2001, 2003, 2013)  
Irish Journal of Medical Science (2009, 2011, 2012)  
Irish Medical Journal (2009)  
Journal of Exp. & Clin. Assisted Reproduction\* (2004-2012)  
Journal of Medical Regulation\* (2013-2015)  
Journal of Nursing, Social Studies & Public Health\* (2012)  
Journal of Obstetrics and Gynaecology (2012)  
Journal of Obstetrics and Gynaecology Research (2005)  
Journal of Postgraduate Medicine (2004)  
Journal of Women's Health (2011)  
Maturitas (2004)  
Molecular Cancer (2005)  
Molecular Human Reproduction (2000)  
Neuroendocrinology Letters\* (2006)  
Placenta (2003)  
Reproductive Biology & Endocrinology (2004, 2011)  
Treatments in Endocrinology (2003)

\**Member*, Editorial Board

**Research** *in press* (manuscripts accepted for publication)

1. Jones CA, **Sills ES**. Contrasting selected reproductive challenges of today with those of antiquity—the past is prologue. *Ulster Med J* 2014.
2. Walsh AP, Collins GS, Walsh DJ, Shkrobot LV, Malone FD, **Sills ES**. Medical student experiences in clinical reproductive medicine: dual-cohort assessment of a new learning module at the Royal College of Surgeons in Ireland. *Br J Med Med Res* 2013.
3. **Sills ES**, Palermo GD. Gonadotropin releasing hormone in the primitive vertebrate family *Myxinidae*: reproductive neuroanatomy and evolutionary aspects. *Neuroendocrinol Lett* 2013.
4. Rashidi BH, Nemati M, Ghazizadeh M, Salem SA, Collins GS, **Sills ES**. Teaching reproductive endocrinology in Iran: Pilot assessment of hospital-based clinical modules for medical students at Tehran University of Medical Sciences. *Health* 2013.

**Textbooks published**

1. Gonadotropin-Releasing Hormone (GnRH): Production, Structure & Function, **Sills ES** (editor): Nova Science Press 2013; New York USA [287pp], ISBN: 978-1-62808-478-8.
2. Array Comparative Genomic Hybridisation, IVF, and Public Policy: Providing Subsidised Fertility Care in California by Integrating aCGH, IVF, and Mandatory Single Embryo Transfer, **Sills ES**: Lambert Academic Press 2013; Saarbrücken GERMANY [60pp], ISBN: 978-3-659-10705-4.

**Published manuscripts**

1. **Sills ES**, Chiriac L, Vaughan D, Jones CA, Salem SA. Follow-up analysis of federal process of care data reported from three acute care hospitals in rural Appalachia. *Clinicoeconom Outcomes Res* 2013;5:119-24. **Highly accessed**
2. **Sills ES**, Collins GS. Letter RE: Chang HH, Larson J, Blencowe H *et al*. Preventing preterm births: analysis of trends and potential reductions with interventions in 39 countries with very high human development index. *Lancet* 2013;381:1355-6.
3. Yang Z, Liu J, Collins GS, Salem SA, Liu X, Lyle SS, Peck AC, **Sills ES**, Salem RD. Selection of single blastocysts for fresh transfer via standard morphology assessment alone and with array CGH for good prognosis IVF patients: results from a randomized pilot study. *Mol Cytogenet* 2012;5:24. **Highly accessed**
4. **Sills ES**, Yang Z, Walsh DJ, Salem SA. Comprehensive genetic assessment of the human embryo: Can empiric application of microarray comparative genomic hybridization reduce multiple gestation rate by single fresh blastocyst transfer? *Arch Gynecol Obstet* 2012;286:755-61.

5. **Sills ES**, Cotter PD, Marron KD, Shkrobot LV, Walsh HM, Salem SA. Ovarian dysgenesis associated with an unbalanced X;6 translocation: First characterisation of reproductive anatomy and cytogenetic evaluation in partial trisomy 6 with breakpoints at Xq22 and 6p23. *Mol Med Reports* 2012;5:29-31.
6. **Sills ES**, Collins GS, Salem SA, Jones CA, Peck AC, Salem RD. Balancing selected medication costs with total number of daily injections: a preference analysis of GnRH-agonist and antagonist protocols by IVF patients. *Reprod Biol Endocrinol* 2012;10:67.
7. Liu J, **Sills ES**, Salem SA, Yang Z, Rahil T, Collins GS, Liu X, Salem RD. Array comparative genomic hybridization screening in IVF significantly reduces number of embryos available for cryopreservation. *Clin Exp Reprod Med* 2012;39:52-7.
8. **Sills ES**, Collins GS, Brady AC, Walsh DJ, Marron KD, Peck AC, Walsh AP, Salem RD. Bivariate analysis of basal serum anti-Mullerian hormone measurements and human blastocyst development after IVF. *Reprod Biol Endocrinol* 2011;9:153.
9. Jones CA, Christensen AL, Salihu H, Carpenter W, Petrozzino J, Abrams E, **Sills ES**, Keith LG. Prediction of individual probabilities of livebirth and multiple birth events following in vitro fertilization (IVF): a new outcomes counseling tool for IVF providers and patients using HFEA metrics. *J Exp Clin Assist Reprod* 2011;8:3.
10. Rashidi B, Abediasl J, Tehraninejad E, Rahmanpour H, **Sills ES**. Simvastatin effects on androgens, inflammatory mediators, and endogenous pituitary gonadotropins among fertility patients with polycystic ovary syndrome: results from a randomized placebo-controlled clinical trial. *J Investig Med* 2011;59:912-6.
11. Walsh AP, Yokota TT, Walsh DJ, Jones BJ, Coull GD, **Sills ES**. First reported deliveries in Ireland using surgically retrieved sperm for non-obstructive azoospermia. *Irish J Med Sci* 2011;180:251-3.
12. Walsh DJ, Ma ML, **Sills ES**. The evolution of health policy guidelines for assisted reproduction in the Republic of Ireland, 2004-2009. *Health Res Policy Systems* 2011;9:28.
13. Jones CA, **Sills ES**. The Emergency Medical Recovery Act (EMRA): Ireland's bold healthcare initiative for the next decade? *J Pharmaceutical Health Serv Res* 2011;2:17-20.
14. **Sills ES**, Walsh DJ, Walsh AP. Transvaginal ultrasound imaging for assessment of early pregnancy. *Irish Med J* 2010;103:283-4.
15. Walsh AP, Omar AB, Marron KD, Walsh DJ, Salma U, **Sills ES**. Recipient screening in IVF: First data from women undergoing anonymous oocyte donation in Dublin. *Reprod Health* 2011;8:8.

16. Walsh DJ, **Sills ES**, Lambert DM, Gregersen N, Malone FD, Walsh APH. Novel ETHE1 mutation in carrier couple having prior offspring affected with ethylmalonic encephalopathy: genetic analysis, clinical management and reproductive outcome. *Mol Med Reports* 2010;3:223-6.
17. **Sills ES**, Palermo GD. Human blastocyst culture in IVF: current laboratory applications in reproductive medicine practice. *Rom J Morphol Embryol* 2010;51:441-5.
18. **Sills ES**, Collins GS, Walsh DJ, Omar AB, Salma U, Walsh APH. A descriptive study of selected oocyte, blood, and organ/tissue donation features among fertility patients in Ireland. *Hum Fertil (Camb)* 2010;13:98-104.
19. **Sills ES**, Omar AB, Salma U, Walsh DJ, Walsh APH. National birth rate, IVF utilisation and multiple gestation trends: findings from a six-year analysis in the Republic of Ireland. *Arch Gynecol Obstet* 2010;282:221-4.
20. **Sills ES**, Mykhaylyshyn LO, Dorofeyeva US, Walsh DJ, Salma U, Omar AB, Coull GD, David IA, Brickell KM, Tsar OM, Walsh AP. The long path to pregnancy: early experience with dual anonymous gamete donation in a European in vitro fertilisation referral centre. *Reprod Health* 2010;7:20.
21. Walsh APH, Omar AB, Collins GS, Murray GU, Walsh DJ, Salma U, **Sills ES**. Application of E.U. Tissue and Cell Directive screening protocols to anonymous oocyte donors in western Ukraine: data from an Irish IVF programme. *J Obstet Gynaecol* 2010;30:613-6.
22. Walsh APH, Tsar OM, Walsh DJ, Baldwin PM, Shkrobot LV, **Sills ES**. Who abandons embryos after IVF? *Irish Med J* 2010;103:107-10.
23. **Sills ES**, Brady AC, Omar AB, Walsh DJ, Salma U, Walsh APH. IVF for premature ovarian failure: first reported births using oocytes donated from a twin sister. *Reprod Biol Endocrinol* 2010;8:31.
24. Baum JD, Rattigan MI, **Sills ES**, Walsh APH. Clinical presentation and conservative management of intrapartum tympanic membrane perforation. *Case Rep Med* 2010;2010:856045.
25. **Sills ES**, Shurpyak SA, Gorman DJ, Shkrobot LV, Murray GU, O'Connor BM, Rapple UE, Fogarty AO, Svarkova P, Brickell KM, Walsh DJ. Fertility patients and their prescriptions: a two-year audit of patient-pharmacist interactions in a reproductive endocrinology practice. *Int Arch Med* 2009;2:24. **Highly accessed**
26. Alper MM, Smith LP, **Sills ES**. Ovarian hyperstimulation syndrome: current views on pathophysiology, risk factors, prevention and management. *J Exp Clin Assist Reprod* 2009;6:3.



27. Hayrinen LH, **Sills ES**, Fogarty AO, Walsh DJ, Lutsyk AD, Walsh APH. First Irish deliveries following sequential, two-stage embryo and blastocyst transfer. *Irish J Med Sci* 2009 DOI 10.1007/s11845-009-0430-5.
28. Walsh APH, Collins GS, Le Du M, Walsh DJ, **Sills ES**. Pre-treatment preferences and characteristics of patients seeking in vitro fertilisation. *Reprod Health* 2009;6:21.
29. Shurpyak SA, Walsh APH, Walsh DJ, **Sills ES**. A need for definition: a matter of life and death for human embryos. *Irish Med J* 2009;102:235.
30. Walsh APH, Shkrobot LV, Coull GD, Peirce KL, Walsh DJ, Salma U, **Sills ES**. Blastocyst transfer for multiple prior IVF failure: a five year descriptive study. *Irish Med J* 2009;102:282-5.
31. **Sills ES**, Alper MA, Walsh APH. Ovarian reserve screening in infertility: practical applications and theoretical directions for research. *Eur J Obstet Gynecol Reprod Biol* 2009;146:30-6.
32. Walsh DJ, **Sills ES**, Shkrobot LV, Gleeson NC, Sheppard MN, Walsh APH. Ovarian serous adenocarcinoma identified during IVF: diagnostic approach, surgical management and reproductive outcome. *World J Surg Oncol* 2009;7:46. **Highly accessed**
33. **Sills ES**, Lotto BA, Bremer WS, Bacchi AJ, Walsh APH. Analysis of federal process of care data reported from hospitals in rural westernmost North Carolina. *Clin Exp Obstet Gynecol* 2009;36:160-2.
34. **Sills ES**, Murphy SE. Determining the status of non-transferred embryos in Ireland: a conspectus of case law and implications for clinical IVF practice. *Philos Ethics Humanit Med* 2009;4:8.
35. **Sills ES**, Walsh APH, Walsh DJ. First Irish Pregnancies after IVF with gestational carrier [*author response*]. *Irish Med J* 2009;102:126.
36. **Sills ES**, Murray GU, Genton MG, Walsh DJ, Coull GD, Walsh APH. Clinical features and reproductive outcomes for embryos undergoing dual freeze-thaw sequences followed by blastocyst transfer: critique of fourteen consecutive cases in IVF. *Fertil Steril* 2008;91:1568-70.
37. **Sills ES**, Walsh APH. Limiting resident duty hours in the US: New directives. *Irish Med J* 2009;102:92.
38. **Sills ES**, Genton MG, Walsh APH, Wehbe SA. Who's asking? Patients may under-report postoperative pain to nurses (or over-report to surgeons) following surgery of the female reproductive tract. *Arch Gynecol Obstet* 2009;279:771-4.
39. **Sills ES**, Shkrobot L, Coull GD, Salme U, Walsh DJ, Walsh APH. First Irish pregnancies with IVF and gestational carrier. *Irish Med J* 2008; 102:56-58.

40. **Sills ES**, Walsh DJ, Walsh APH. Results from the advanced reproductive technologies: fresh vs. frozen? *Irish Med J* 2008;101:288.

41. **Sills ES**, Walsh DJ, Shkrobot LV, Palermo GD, Walsh APH. Clinical experience with intravenous immunoglobulin and TNF-alpha inhibitor therapies for recurrent pregnancy loss. *Ulster Med J* 2009;78:57-8.

42. **Sills ES**, Walsh DJ, Walsh APH. Re: Outcomes from treatment of infertility with natural procreative technology in an Irish general practice. *J Am Board Fam Med* 2009;22:94-5.

43. **Sills ES**, McLoughlin LJ, Genton MG, Walsh DJ, Coull GD, Walsh APH. Ovarian hyperstimulation syndrome and prophylactic human embryo cryopreservation: analysis of reproductive outcome following thawed embryo transfer. *J Ovarian Res* 2008;1:7.

Highly accessed

44. **Sills ES**, Walsh APH. The GPR54-Kisspeptin complex in reproductive biology: neuroendocrine significance and implications for ovulation induction and contraception. *Neuroendocrinol Lett* 2008;29:846-851.

45. Wehbe SA, Ghulmiyyah LM, Dominique EH, Hosford SL, Ehleben CM, Saltzman SL, **Sills ES**. Prospective randomized trial of iliohypogastric-ilioinguinal nerve block on post-operative morphine use after inpatient surgery of the female reproductive tract. *J Neg Results Biomed* 2008;7:11.

46. **Sills ES**, Walsh DJ, Walsh APH. Pregnancy and perinatal outcomes after assisted reproduction: a comparative study. *Irish J Med Sci* 2008;178:119.

47. **Sills ES**, Healy CM. Building Irish families through surrogacy: medical and judicial issues for the advanced reproductive technologies. *Reprod Health* 2008;5:9.

48. **Sills ES**, Kling TM, Sills SS, Burns MJ, Carroll LP, Parker LD, Wittkowski KM. Women's health measures in two North Carolina regions sampled from the Basic Automated Birth Yearbook (BABY) datasets: experimental findings, methodological limits and future directions. *Clin Exp Obstet Gynecol* 2008;35:27-31.

49. **Sills ES**. Book review: *Embryo Transfer* Allahbadia G (ed). Anshan Publishers (UK 2008) hardcover, 531 pp. *J Exp Clin Assist Reprod* 2008;5:3.

50. **Sills ES**, Qublan HS, Blumenfeld Z, Dizaj AV, Revel A, Coskun S, Jaoude IA, Serour G, Eskandar M, Khalili MA, Demirol A, Trokoudes K, Ocal P, Sultan AM, Lotto BA, El-Kareh A. Regional clinical practice patterns in reproductive endocrinology: A collaborative transnational pilot survey of IVF programs in the Middle East. *J Exp Clin Assist Reprod* 2007;4:3.

51. **Sills ES**, Burns MJ, Parker LD, Carroll LP, Kephart LL, Dyer CS, Papenhausen PR, Davis JG. Further phenotypic delineation of subtelomeric (terminal) 4q deletion with emphasis on intracranial and reproductive anatomy. *Orphanet J Rare Dis* 2007;2:9.
52. Pope KR, Hancock JS, **Sills ES**. An analysis of clinical process measures for acute healthcare delivery in Appalachia: The Roane Medical Center experience. *Health Res Policy Syst* 2006;4:3. **Highly accessed**
53. **Sills ES**, Baum JD. Open access, medical research and the internet economy of scale. *J Royal Soc Med* 2006;99:545.
54. Katagiri Y, Neri QV, Takeuchi T, Moy F, **Sills ES**, Palermo GD. Androgen receptor CAG polymorphism (Xq11-12) status and human spermatogenesis: A prospective analysis of infertile males and their offspring conceived by intracytoplasmic sperm injection. *Int J Mol Med*. 2006;18:405-13.
55. **Sills ES**, Meinecke HM, Dixson GR, Johnson AM. Management approach for recurrent spontaneous pneumothorax in consecutive pregnancies based on clinical and radiographic findings. *J Cardiothorac Surg* 2006;1:35.
56. **Sills ES**, Doan TB, Mock RJ, Dixson GR, Rohlfing MB. Immunohistochemical localization patterns for vimentin and other intermediate filaments in calcified ovarian fibrothecoma. *Diag Pathol* 2006;1:28.
57. Tanaka N, Takeuchi T, Neri QV, **Sills ES**, Palermo GD. Laser-assisted blastocyst dissection and subsequent cultivation of embryonic stem cells in a serum/cell free culture system: applications and preliminary results in a murine model. *J Translational Med* 2006;4:20. **Highly accessed**
58. Saie DJ, **Sills ES**. Hyperprolactinemia presenting with encephalomalacia-associated seizure disorder and infertility: a novel application for bromocriptine therapy in reproductive endocrinology. *Neuroendocrinol Lett* 2005;26:533-535.
59. Lopez DC, **Sills ES**. Embryonic stem cells—sources and destinations. *J Royal Soc Med* 2005;98:496.
60. Ghulmiyyah LM, Wehbe SA, Schwartz SA, **Sills ES**. Successful obstetrical management of 110-day intertwin delivery interval without cerclage: counseling and conservative management approach to extreme asynchronous twin birth. *BMC Pregnancy Childbirth* 2004;4:23.
61. **Sills ES**. Conjoined twins, delivery, and the memory of medicine. *J Royal Soc Med* 2005;98:135-136.

62. **Sills ES**, Kim JJ, Witt MA, Palermo GD. Non-obstructive azoospermia and maturation arrest with complex translocation 46,XY t(9;13;14)(p22;q21.2;p13) is consistent with the Luciani-Guo hypothesis of latent aberrant autosomal regions and infertility. *Cell Chromosome* 2005;4:2.
63. **Sills ES**, Takeuchi T, Tanaka N, Neri QV, Palermo GD. Identification and isolation of embryonic stem cells in reproductive endocrinology: theoretical protocols for conservation of human embryos derived from in vitro fertilization. *Theor Biol Med Model* 2005;2:25.
64. **Sills ES**, Vincent TT, Palermo GD. Article processing charges, funding, and open access publishing at *Journal of Experimental & Clinical Assisted Reproduction*. *J Exp Clin Assist Reprod* 2005;2:1.
65. **Sills ES**, Conway SC, Kaplan CR, Perloe M, Tucker MJ. First successful case of in vitro fertilization-embryo transfer with venom immunotherapy for hymenoptera sting allergy. *Clin Mol Allergy* 2004;2:11.
66. **Sills ES**, Ghulmiyyah LM, Wehbe SA, Atkinson PF, Perloe M, Tucker MJ. Microstructural observations of villous and membrane histology in monochorionic triplet placenta after in vitro fertilization. *Histol Histopathol* 2004;19:1241-1244.
67. **Sills ES**, Winston RM, Palermo GD. *Journal of Experimental & Clinical Assisted Reproduction: shaping the future of research and clinical practice in reproductive endocrinology/infertility*. *J Exp Clin Assist Reprod* 2004;1:1.
68. **Sills ES**, Perloe M, Stamm LJ, Kaplan CR, Tucker MJ. Medical and psychological management of recurrent abortion, history of postneonatal death, ectopic pregnancy and infertility: successful implementation of IVF for multifactorial reproductive dysfunction. *Clin Exp Obstet Gynecol* 2004;31:143-146.
69. **Sills ES**, Takeuchi T, Tucker MJ, Palermo GD. Genetic and epigenetic modifications associated with human ooplasm donation and mitochondrial heteroplasmy—considerations for interpreting studies of heritability. *Med Hypotheses* 2004;62:612-617.
70. **Sills ES**, Fryman JT, Perloe M, Michels KB, Tucker MJ. Chromatin fluorescence characteristics and standard semen analysis parameters: correlations observed in andrology testing among 136 males referred for infertility evaluation. *J Obstet Gynaecol* 2004;24:74-77.
71. Wehbe SA, Ghulmiyyah LM, Carroll KT, Perloe M, Schwartzberg DG, **Sills ES**. Correlations from gadopentetate dimeglumine enhanced magnetic resonance imaging after methotrexate chemotherapy for hemorrhagic placenta increta. *Biomagn Res Technol* 2003;1:3. **Highly accessed**
72. **Sills ES**, Kaplan CR, Perloe M, Tucker MJ. Laparoscopic approach to an uncommon adnexal neoplasm associated with infertility: serous cystadenofibroma of the fallopian tube. *J Am Assoc Gynecol Laparosc* 2003;10:545-547.

- 73.** Ghulmiyyah LM, Perloe M, Tucker MJ, Zimmermann JH, Eller DP, **Sills ES**. Monochorionic-triamniotic triplet pregnancy after intracytoplasmic sperm injection, assisted hatching, and two-embryo transfer: first reported case following IVF. *BMC Pregnancy Childbirth* 2003;3:4.
- 74.** Porter R, Han T, Tucker MJ, Graham J, Liebermann J, **Sills ES**. Estimation of second polar body retention rate after conventional insemination and intracytoplasmic sperm injection: in vitro observations from >5000 human oocytes. *J Assist Reprod Genet* 2003;20:371-376.
- 75.** **Sills ES**, Drews CD, Perloe M, Tucker MJ, Kaplan CR, Palermo GD. Absence of profound hyperinsulinism in polycystic ovary syndrome is associated with subtle elevations in the plasminogen activator inhibitor system. *Gynecol Endocrinol* 2003;17:231-237.
- 76.** **Sills ES**, Perloe M, Kaplan CR, Schlegel PN, Palermo GD. Bilateral orchiectomy for surgical treatment of complete androgen insensitivity syndrome: patient outcome after one year follow-up. *J Laparoendosc Adv Surg Tech* 2003;13:193-197.
- 77.** Liebermann J, Tucker MJ, **Sills ES**. Cryoloop vitrification in assisted reproduction: analysis of survival rates in >1000 human oocytes after ultra-rapid cooling with polymer augmented cryoprotectants. *Clin Exp Obstet Gynecol* 2003:125-129.
- 78.** **Sills ES**, Tucker MJ. First experience with intracytoplasmic sperm injection for extreme oligozoospermia associated with Crohn's disease and 6-mercaptopurine chemotherapy. *Asian J Androl* 2003;5:76-78.
- 79.** **Sills ES**, Sweitzer CL, Morton PC, Perloe M, Kaplan CR, Tucker MJ. Dizygotic twin delivery following in vitro fertilization and transfer of thawed blastocysts cryopreserved at day six and seven. *Fertil Steril* 2003:424-427.
- 80.** Wehbe SA, Tucker MJ, Palermo GD, **Sills ES**. Monozygotic twin delivery following reduction from quadramniotic-dichorionic gestation established after intracytoplasmic sperm injection and embryo transfer. *Hum Reprod* 2003:444-446.
- 81.** **Sills ES**, Perloe M, Levy DP, Palermo GD. [Anomalie annexielle découverte au cours d'un bilan d'infertilité: corrélation avec les données d'imagerie et de laparoscopie]. *J Gynecol Obstet Biol Reprod (Paris)* 2002;8:772-774.
- 82.** **Sills ES**, Young RJC. HIV in Africa. *J Royal Soc Med* 2003:96:53.
- 83.** **Sills ES**, Palermo GD. Intrauterine pregnancy following low-dose gonadotropin ovulation induction and direct intraperitoneal insemination for severe cervical stenosis. *BMC Pregnancy Childbirth* 2002;2:9. **Highly accessed**
- 84.** **Sills ES**, Harmon KE, Tucker MJ. First reported convergence of premature ovarian failure and cutis marmorata telangiectatica congenita. *Fertil Steril* 2002;78:1314-1316.

85. **Sills ES**, Palermo GD. Major birth defects after assisted reproduction. *N Engl J Med* 2002;347:1449-1451.
86. Porter RN, Tucker MJ, Graham J, **Sills ES**. Advanced embryo development during extended in vitro culture: observations of formation and hatching patterns in non-transferred human blastocysts. *Hum Fertil (Camb)* 2002;5:215-220.
87. **Sills ES**, Sholes TE, Perloe M, Kaplan CR, Davis JG, Tucker MJ. Characterization of a novel receptor mutation A→T at exon 4 in complete androgen insensitivity syndrome and a carrier sibling via bidirectional polymorphism sequence analysis. *Int J Mol Med* 2002;9:45-48.
88. **Sills ES**, Palermo GD. Preimplantation genetic diagnosis for elective sex selection, the IVF market economy, and the child—another long day’s journey into night? *J Assist Reprod Genet* 2002;19:433-437.
89. **Sills ES**, Perloe M, Kaplan CR, Sweitzer CL, Morton PC, Tucker MJ. Uncomplicated pregnancy and singleton delivery after excision of heterotopic (cornual) pregnancy following IVF. *Arch Gynecol Obstet* 2002;266:181-184.
90. **Sills ES**, Wittkowski KM, Tucker MJ, Perloe M, Kaplan CR, Palermo GD. Comparison of centrifugation and non-centrifugation based techniques for recovery of motile human spermatozoa in assisted reproduction. *Arch Androl* 2002;48:169-173.
91. **Sills ES**. 11 September and after. *J Royal Soc Med* 2002;95:111-112.
92. Saini J, Kuczynski E, Gretz HF 3d, **Sills ES**. Supracervical hysterectomy versus total abdominal hysterectomy: perceived effects on sexual function. *BMC Womens Health* 2002;2:1. **Highly accessed**
93. **Sills ES**, Vrbikova J, Kastratovic-Kotlica B. Conjoined twins, conception, pregnancy and delivery: a reproductive history of the pygopagus Blažek sisters (1878-1922). *Am J Obstet Gynecol* 2001;185:1396-1402.
94. **Sills ES**, Perloe M, Tucker MJ, Kaplan CR, Palermo GD. Successful ovulation induction, conception, and normal delivery after chronic therapy with etanercept: a recombinant fusion anti-cytokine treatment for rheumatoid arthritis. *Am J Reprod Immunol* 2001;46:366-368.
95. **Sills ES**, Takeuchi T, Rosenwaks Z, Palermo GD. Reprogramming somatic cell differentiation and The Hayflick Limit: contrasting two modern molecular bioengineering aims and their impact on the future of mankind. *J Assist Reprod Genet* 2001;18:468-470.
96. **Sills ES**, Tucker MJ, Palermo GD. The assisted reproductive technologies and monozygous twins: implications for future study and clinical practice. *Twin Research* 2000;3:217-223.

- 97. Sills ES**, Drews CD, Perloe M, Kaplan CR, Tucker MJ. Periovulatory serum human chorionic gonadotropin (hCG) concentrations following subcutaneous and intramuscular non-recombinant hCG use during ovulation induction: a prospective, randomized trial. *Fertil Steril* 2001;75:397-399.
- 98. Sills ES**, Genton MG, Perloe M, Schattman GL, Bralley JA, Tucker MJ. Plasma homocysteine, fasting insulin, and androgen patterns among women with polycystic ovaries and infertility. *J Obstet Gynaecol Res* 2001; 27:163-168.
- 99. Sills ES**, Perloe M, Tucker MJ, Kaplan CR, Genton MG, Schattman GL. Diagnostic and treatment characteristics of polycystic ovary syndrome: descriptive measurements of patient perception and awareness from 657 confidential self-reports. *BMC Womens Health* 2001;1:3. **Highly accessed**
- 100. Sills ES**, Poyner EA, Moomjy M. Ovarian hyperstimulation and oophorectomy following accidental daily clomiphene citrate use over three consecutive months. *Reprod Toxicol* 2000;14:541-543.
- 101. Elliott JL**, Hosford SL, Demopoulos RI, Perloe M, **Sills ES**. Endometrial adenocarcinoma and polycystic ovary syndrome: risk factors, management and prognosis. *South Med J* 2001;94:529-533.
- 102. Scineaux TL**, **Sills ES**, Perloe M, Daly JP, Schattman GL. Transvaginal ultrasonographic identification of appendicitis in the setting of chronic pelvic pain and endometriosis. *South Med J* 2000;93: 73-74.
- 103. Sills ES**. Electronic mail and clinical medical practice. *Atlanta Med* 2000;74:21-23.
- 104. Perloe M**, Levy DP, **Sills ES**. Strategies for ascertaining ovarian reserve among women suspected of subfertility. *Int J Fertil Womens Med* 2000;45:215-224.
- 105. Sills ES**, Perloe M, Palermo GD. Correction of hyperinsulinemia in oligoovulatory women with clomiphene-resistant polycystic ovary syndrome: a review of therapeutic rationale and reproductive outcomes. *Eur J Obstet Gynecol Reprod Biol* 2000;91/2:148-153.
- 106. Sills ES**, Moomjy M, Zaninovic N, Veeck LL, McGee M, Palermo GD, Rosenwaks Z. Human zona pellucida micromanipulation and monozygotic twinning frequency after IVF. *Hum Reprod* 2000;15:890-895.
- 107. Colombero LT**, Takeuchi T, **Sills ES**, Breed WG, Rosenwaks Z, Palermo GD. A comparison of human spermatozoa immunolabeling features using xenogenic reagents for centrosomal proteins. *Clin Exp Obstet Gynecol* 1999;29:141-146.
- 108. Sills ES**, Goldschlag D, Levy DP, Davis OK, Rosenwaks Z. Preimplantation genetic diagnosis: considerations for use in elective human embryo sex selection. *J Assist Reprod Genet* 1999; 16: 509-511.

- 109. Sills ES, Levy DP, Moomjy M, McGee M, Rosenwaks Z.** A prospective, randomized comparison of supraovulation using follicle stimulating hormone (FSH-HP) alone and with recombinant human luteinizing hormone in in vitro fertilization. *Hum Reprod* 1999;14:2230-2235.
- 110. Barmat LI, Rauch E, Spandorfer S, Kowalik A, Sills ES, Schattman GL, Liu H-C, Rosenwaks Z.** The effect of hydrosalpinges on in vitro fertilization outcome. *J Assist Reprod Genet* 1999;16:350-354.
- 111. Colombero LT, Moomjy M, Sills ES, Rosenwaks Z, Palermo GD.** The role of structural integrity of the fertilizing spermatozoa in early human embryogenesis. *Zygote* 1999; 6:157-163.
- 112. Moomjy M, Sills ES, Rosenwaks Z, Palermo GD.** Implications of complete fertilization failure after ICSI for subsequent fertilization and reproductive outcome. *Hum Reprod* 1998;13:2212-2216.
- 113. Sills ES, Strider W, Hyde HJ, Anker D, Rees GJ, Davis OK.** Gynaecology, forced sterilisation, and asylum in the USA. *Lancet* 1998;351:1729-1730.
- 114. Sills ES, Kirman I, Colombero LT, Hariprashad J, Rosenwaks Z, Palermo GD.** H-Y antigen expression patterns in human X- and Y-chromosome bearing spermatozoa. *Am J Reprod Immunol* 1998;40:43-47.
- 115. Palermo GD, Schlegel PN, Sills ES, Veeck LL, Zaninovic N, Menendez S, Rosenwaks Z.** Births after intracytoplasmic injection of sperm obtained by testicular extraction from men with nonmosaic Klinefelter's syndrome. *N Engl J Med* 1998;338:588-590.
- 116. Sills ES, Schattman GL, Veeck LL, Liu H-C, Prasad M, Rosenwaks Z.** Characteristics of consecutive in vitro fertilization cycles among patients treated with follicle stimulating hormone (FSH) and human menopausal gonadotropin versus FSH alone. *Fertil Steril* 1998;69:831-835.
- 117. Sills ES, Kirman I, Thatcher SS, Palermo GD.** Sex-selection of human spermatozoa: evolution of current techniques and applications. *Arch Gynecol Obstet* 1998;261:109-115.
- 118. Sills ES, Saini J, Steiner CA, McGee M, Gretz HF.** Abdominal hysterectomy practice patterns in the United States. *Int J Gynecol Obstet* 1998;58:277-283.
- 119. Sills ES, Saini J, Applegate MS, McGee M, Gretz HF.** Supracervical and total abdominal hysterectomy in New York State:1990-1996. *Bull N Y Acad Med* 1998;75:903-910.
- 120. Sills ES, Zegarelli DJ, Hoschander MM, Strider W.** Clinical diagnosis and management of hormonally responsive oral pregnancy tumor. *J Reprod Med* 1996;41:467-470.



**121. Sills ES**, Baum JD, Ling X, Harper MM, Levy DP, Lockwood CJ. [Durée moyenne du travail spontané chez les primipares chinoises]. *J Gynecol Obstet Biol Reprod (Paris)* 1997;26(7):704-710.

**122. Sills ES**, Lescale KB, Strider W. Transient vasopressin-sensitive diabetes insipidus associated with pregnancy: case report & review of literature. *J Matern Fetal Med* 1995;4:81-84.

**123. Sills ES**. Defining a role for managed care in residency programs. *JAMA* 1995;274:1176e.

**124. Sills ES**. Mabie WC. A refractory case of herpes gestationis. *J Tenn Med Assoc* 1992;85(12):559-560.

#### **Other Publications** (*non-Index Medicus*)

**Sills ES**. Six Days in Iran. *The Roane Reader* (Harriman, Tennessee): December 2010;A3.

**Sills ES**. Letter From Andorra. *The Roane Reader* (Harriman, Tennessee): November 2008;A2.

**Sills ES**. The name behind the county: survey of the Gov. Archibald Roane family 1611-1993 [vols 1-12] *The Standard/Roane County Times* (Kingston, Tennessee):1994.

#### **Invited Presentations & Lectures**

*Array CGH and Mandatory Single Fresh Embryo Transfer to Normalize Preterm Delivery & Multiple Gestation Outcomes with IVF: Fiscal Analysis of Coverage Expansion by a California Health Exchange.* 69<sup>th</sup> Annual Meeting, American Society For Reproductive Medicine/IFFS; Boston (October 2013)

*Introduction to clinical reproductive endocrinology.* School of Nursing, California State University; Long Beach (April 2013)

*Impact of aCGH on elective human embryo cryopreservation in IVF.* XIX FIGO World Congress of Gynecology; Rome (October 2012)

*Clinical IVF applications for microarray CGH.* Grand Rounds/Medical Staff Conference, Assisted Reproductive Technology Unit, Chinese University of Hong Kong & Prince of Wales Hospital; Hong Kong SAR China (January 2012)

*Considerations for PGD applications in elective human embryo sex selection* [keynote lecture]; 11<sup>th</sup> International Congress on Reproductive Biomedicine; Tehran, Iran (September 2010)

*Preliminary findings from a new subspecialty reproductive medicine clinical module for medical students;* 20<sup>th</sup> World Congress on Fertility & Sterility; Munich, Germany (September 2010)

*The Chernobyl Accident: Impact on reproductive health in the western Ukraine region.* Sims Clinic General Staff Development Conference; Dublin, Ireland (September 2009)

*Day three vs. day five embryo transfer: comparisons & controversies.* Grand Rounds/Medical Staff Conference, Lviv National Medical University; Lviv, Ukraine (May 2009)

*Assisted Reproduction in Ireland. Clinical Management of Infertility: New Approaches for the Busy Practitioner/Royal College of Surgeons in Ireland; Dublin, Ireland (May 2009)*

*hCG: What Is It and When Should We Measure It? Sims Clinic General Staff Development Conference; Dublin, Ireland (September 2008)*

*Autoimmune and Hereditary Factors in Premature Ovarian Failure. Sims Clinic General Staff Development Conference; Dublin, Ireland (June 2008)*

*Stress Factors in Management of Couples with Infertility. Department of Behavioral Sciences and Leadership/U.S. Military Academy; West Point, New York (February 2008)*

*New Approaches to Infertility Management. Grand Rounds/Medical Staff Conference, Vassar Brothers Medical Center; Poughkeepsie, New York (March 2007)*

*Diagnosis & Treatment of PCOS. Grand Rounds/Medical Staff Conference, Murphy Medical Center; Murphy, North Carolina (June 2006)*

*23<sup>rd</sup> Annual Scientific Program (moderator). Department of Obstetrics & Gynecology, Atlanta Medical Center; Atlanta, Georgia (May 2004)*

*22<sup>nd</sup> Annual Scientific Program (moderator). Department of Obstetrics & Gynecology, Atlanta Medical Center; Atlanta, Georgia (May 2003)*

*21<sup>st</sup> Annual Scientific Program (moderator). Department of Obstetrics & Gynecology, Atlanta Medical Center; Atlanta, Georgia (May 2002)*

*20<sup>th</sup> Annual Scientific Program (moderator). Department of Obstetrics & Gynecology, Atlanta Medical Center; Atlanta, Georgia (May 2001)*

*Common endocrine disorders causing menstrual irregularity (lecture). 10<sup>th</sup> Annual Meeting, Southern College Health Association Conference/Emory University School of Medicine; Atlanta, Georgia (March 2001)*

*19<sup>th</sup> Annual Scientific Program (moderator). Department of Obstetrics & Gynecology, Atlanta Medical Center; Atlanta, Georgia (May 2000)*

*Plasminogen activator inhibitor-1 levels, prothrombin G20210A and methyltetrahydrofolate reductase C677T gene polymorphism frequencies, and reproductive history: correlations with ultrasonographic ovarian morphology (lecture). 56<sup>th</sup> Annual Meeting, American Society For Reproductive Medicine; San Diego (October 2000)*

*Plasma homocysteine, fasting insulin, and serum androgens as a function of sonographic ovarian features in women referred for infertility assessment (lecture). 16<sup>th</sup> FIGO World Congress of Gynecology & Obstetrics; Washington, D.C. (September 2000)*

*Blastocyst transfer: new approaches in assisted reproduction (grand rounds). Department of Obstetrics & Gynecology, Piedmont Hospital; Atlanta, Georgia (December 1999)*

*Hyperinsulinemia, polycystic ovary syndrome and infertility (grand rounds). Department of Obstetrics & Gynecology, Southern Illinois University School of Medicine; Springfield, Illinois (November 1999)*

*Polycystic ovary syndrome: future directions for treatment* (grand rounds). Department of Obstetrics & Gynecology, Piedmont Hospital; Atlanta, Georgia (May 1999)

*Commencement address*. Roane State Community College; Harriman, Tennessee (May 1999)

*Diagnosis and treatment of infertility* (grand rounds). Department of Internal Medicine, Atlanta Medical Center; Atlanta, Georgia (April 1999)

*New approaches to polycystic ovary syndrome* (grand rounds). Department of Family Medicine, Atlanta Medical Center; Atlanta, Georgia (February 1999)

*Infertility: causes & cures 1999* (grand rounds). Department of Obstetrics & Gynecology, DeKalb Medical Center; Atlanta, Georgia (January 1999)

*An overview of IVF and assisted reproduction* (grand rounds). Southern Tennessee Medical Center; Winchester, Tennessee (November 1998)

*The new assisted reproductive technologies* (grand rounds/CME lecture). Stewart Medical Center; Hopkinsville, Kentucky (November 1998)

*New approaches to infertility*. Resolve of Tennessee; Nashville, Tennessee (October 1998)

*Infertility diagnosis and treatment* (grand rounds/CME lecture). Baptist Dekalb Hospital; Smithville, Tennessee (September 1998)

*Gynecology, forced sterilization, and political asylum in the U.S.: new considerations for modern practice*. The New York Lying-In Hospital Alumni Association Annual Meeting & Chief Residents' Graduation Lecture. Cornell University Medical College; New York, New York (June 1998)

From concept to assisted conception: the history of in vitro fertilization. Division of Nursing, Center For Reproductive Medicine & Infertility, The New York Hospital-Cornell Medical Center; New York, New York (April 1998)

Effect of periovulatory 17-beta estradiol fluctuations on conception in controlled ovarian hyperstimulation and in vitro fertilization with GnRH-agonist suppression. 15th FIGO World Congress of Gynecology & Obstetrics; Copenhagen, Denmark (August 1997)

Day 3 preembryo morphology as a predictor of in vitro fertilization pregnancy outcome. Society for Gynecologic Investigation - 44th Annual Meeting; San Diego, California (March 1997)

Synopsis of current laparoscopy education methods in New York City. Chinese Academy of Medical Sciences/Peking University Medical College Hospital; Beijing, China (October 1995)

**Research Undertaken / Published Abstracts** *(presented at accredited meetings)*

1. **Sills ES**, Collins GS, Salem SA, Jones CA, Peck AC, Salem RD. Balancing selected medication costs with total number of daily injections: a patient preference analysis of GnRH-agonist vs. antagonist protocols. 69<sup>th</sup> Annual Meeting—American Society for Reproductive Medicine; San Diego (October 2012).
2. **Sills ES**, Salem SA, Peck AC, Salem RD. Laparoscopic extirpation of Essure micro-insert prior to embryo transfer may correct recurrent miscarriage pattern in IVF. 12<sup>th</sup> Annual Congress—Asia-Pacific Association for Gynecologic Endoscopy; Osaka (December 2011).
3. **Sills ES**, Regan C, Walsh DJ, Malone FD, Walsh APH. Preliminary findings from a new subspecialty reproductive medicine module. *J Reproduktionsmed Endokrinol* 2010;7(4):245.
4. **Sills ES**, Walsh DJ, Carwile JL, Walsh APH. IVF utilisation and multiple gestation rate in Ireland: A six-year analysis. Four Provinces Annual Scientific Meeting, Royal Academy of Medicine; Dublin (November 2009).
5. **Sills ES**, Walsh DJ, Omar AB, Salma U, Shkrobot LV, Walsh APH. Baseline acceptance of twins before fertility treatment: what do patients and their husbands think? 65<sup>th</sup> Annual Meeting—American Society for Reproductive Medicine; Atlanta (October 2009).
6. **Sills ES**, Genton MG, Walsh APH, Wehbe SA. Do patients under-report postoperative pain scores to nurses (or over-report to surgeons) following surgery of the female reproductive tract? FIGO XIX World Congress of Gynecology & Obstetrics; Cape Town (October 2009).
7. Walsh APH, Walsh DJ, Shkrobot LV, Sheppard MN, Omar AB, **Sills ES**. Diagnostic approach, surgical management and outcome following ovarian serous adenocarcinoma identified during IVF. 8<sup>th</sup> Annual Meeting—Mediterranean Society for Reproductive Medicine; Florence (May 2009).
8. **Sills ES**, Murray GU, Genton MG, Walsh DJ, Coull GD, Walsh APH. Assessment of two consecutive freeze-thaw cycles followed by blastocyst transfer on livebirth delivery rate in IVF. 8<sup>th</sup> Annual Meeting—Mediterranean Society for Reproductive Medicine; Florence (May 2009).
9. **Sills ES**, Vincent TT, Perloe M, Kaplan CR, Conway SC, Tucker MJ. Cardiopulmonary comparisons in healthy normotensive patients undergoing uncomplicated transvaginal oocyte retrieval for IVF: impact of age and BMI. 61<sup>st</sup> Conjoint Annual Meeting—American Society for Reproductive Medicine/Canadian Fertility and Andrology Society; Montréal (October 2005).
10. **Sills ES**, Vincent TT, Perloe M, Kaplan CR, Conway SC, Tucker MJ. Intravenous anesthesia dosing and recovery characteristics associated with outpatient oocyte retrieval. 61<sup>st</sup> Conjoint Annual Meeting—American Society for Reproductive Medicine/Canadian Fertility and Andrology Society; Montréal (October 2005).
11. **Sills ES**, Conway SC, Kaplan CR, Perloe M, Tucker MJ. First successful case of in vitro fertilization-embryo transfer with venom immunotherapy for hymenoptera sting allergy. 12<sup>th</sup> World Congress on Human Reproduction; Venice (March 2005).
12. Wehbe SA, Latif RC, **Sills ES**. Modified FASIAR technique in assisted human reproduction: delay of intrauterine insemination by 24h after follicular reduction can safely result in singleton pregnancy outcome. XVII FIGO World Congress; Santiago (November 2003).

13. Fryman JT, Free DA, Michels KB, Tucker MJ, **Sills ES**. Chromatin fluorescence patterns and sperm parameters measured from semen analysis. Royal Society of Medicine, Section of Obstetrics & Gynaecology—Registrar's prize papers meeting; London (February 2003).
14. **Sills ES**, Drews CD, Perloe M, Tucker MJ, Kaplan CR, Palermo GD. Subtle PAI-1 elevations persist in PCOS irrespective of hyperinsulinism. 18<sup>th</sup> Annual Meeting, European Society for Human Reproduction and Embryology; Vienna (July 2002).
15. Han T, Tucker MJ, Greenhouse S, Levy MJ, **Sills ES**. Analysis of blastocyst development, utilization rate and reproductive outcome in IVF patients with polycystic ovary syndrome. 3<sup>rd</sup> Biennial Conference, Alpha Embryologists Group; New York (11 September 2001).
16. **Sills ES**, Porter R, Tucker MJ, Morton PC, Widra EA. Impact of fertilization technique on human blastocyst development: comparisons of conventional insemination and intracytoplasmic sperm injection in IVF. Royal Society of Medicine, Section of Obstetrics & Gynaecology—Registrar's prize papers meeting; London (February 2001).
17. **Sills ES**, Perloe M, Levy DP, Genton MG, Schattman GL, Tucker MJ. Patient perception and awareness regarding diagnosis and treatment of polycystic ovary syndrome (PCOS) as measured by confidential self-reports. 56<sup>th</sup> Annual Meeting, American Society For Reproductive Medicine; San Diego (October 2000).
18. Perloe M, Wittkowski KM, **Sills ES**, Tucker MJ, Palermo GD. Separation of motile human spermatozoa in assisted reproduction: evaluation of centrifugation and non-centrifugation based techniques. 48<sup>th</sup> Annual Meeting, Pacific Coast Reproductive Society; Rancho Mirage (April 2000).
19. **Sills ES**, Levy DP, Wittkowski KM, Perloe M. Preliminary experience with metformin treatment of polycystic ovary syndrome: reproductive outcomes among 20 consecutive patients. 53<sup>rd</sup> Annual Meeting [conjoint], American Society for Reproductive Medicine/Canadian Fertility and Andrology Society; Toronto (September 1999).
20. Levy DP, Kump LM, Goldschlag D, **Sills ES**, Liu H-C, Rosenwaks Z. Early follicular inhibin-B measurements and in vitro fertilization outcome. 81<sup>st</sup> Annual Meeting, The Endocrine Society; San Diego (June 1999).
21. **Sills ES**, Levy DP, Liu H-C, Rosenwaks Z. Effect of mid-luteal leuprolide pituitary desensitization on 24h urinary luteinizing hormone concentrations. 80<sup>th</sup> Annual Meeting, The Endocrine Society; New Orleans (June 1998).
22. **Sills ES**, Strider W, Hyde HJ, Anker D, Rees GJ, Davis OK. Forced sterilization, political asylum, and gynecology: new considerations for modern practice. International Conference on Reproductive Health/UNDP/UNFPA/WHO/World Bank Special Programme of Research, Development & Training in Human Reproduction; Bombay (March 1998).
23. Saini J, **Sills ES**, Kuczynski E, Gretz HF. Supracervical hysterectomy vs. total abdominal hysterectomy: perceived effects on sexual function. 24<sup>th</sup> Annual Meeting, Society of Gynecologic Surgeons; Orlando (March 1998).

24. **Sills ES**, Barmat LI, Harper MM, Liu H-C, Schattman GL, Rosenwaks Z. Effect of periovulatory 17-beta estradiol fluctuations on conception in controlled ovarian hyperstimulation and in vitro fertilization with GnRH-agonist suppression. *Acta Obstet Gynecol Scand* 1997;76(167 Suppl 1):32.
25. Barmat LI, **Sills ES**, Kowalik AI, Zaninovic N, Menendez S, Schlegel PN, Veeck LL. Testicular sperm from nonobstructed azoospermic males does not appear to alter preembryo morphology or IVF pregnancy outcome. 53<sup>rd</sup> Annual Meeting, American Society for Reproductive Medicine; Cincinnati (October 1997).
26. Spandorfer SD, **Sills ES**, Chung PH, Davis OK, Kligman I, Liu H-C, Rosenwaks Z. Periovulatory hormonal patterns are not predictive of IVF outcome. 53<sup>rd</sup> Annual Meeting, American Society for Reproductive Medicine; Cincinnati (October 1997).
27. **Sills ES**, Levy DP, Schattman GL, Liu H-C, Rosenwaks Z. Characteristics of ovarian response and reproductive outcome following rapid, sequential follicular stimulations in *in vitro* fertilization. 2<sup>nd</sup> World Conference on Ovulation Induction; Bologna (September 1997).
28. **Sills ES**, Breslow J, Harper MM, Zaninovic N, Veeck LL, Rosenwaks Z. Day 3 preembryo morphology as a predictor of *in vitro* fertilization pregnancy outcome. *J Soc Gynecol Invest* 1997;4(1 Suppl):174A.
29. Barmat LI, Rauch E, Kowalik AI, **Sills ES**, Spandorfer SD, Schattman GL, Liu H-C, Rosenwaks Z. The effect of hydrosalpinges on IVF/ET outcome. *J Assist Reprod Genet* 1997;14(5 Suppl):205S.

**Audit / Participation in Recent Professional Development Conferences** *(for AMA-category I credits)*

American Board of Obstetrics & Gynecology, Maintenance of Certification [December 2013]; Dallas (35 CME credits)

American Board of Obstetrics & Gynecology, Maintenance of Certification [December 2012]; Dallas (35 CME credits)

American Board of Obstetrics & Gynecology, Maintenance of Certification [December 2011]; Dallas (35 CME credits)

American Board of Obstetrics & Gynecology, Maintenance of Certification [November 2010]; Dallas (25 CME credits)

American Society for Reproductive Medicine, 2009 Annual Meeting [October 2009]; Atlanta (22 CME credits)

XIX FIGO World Congress of Obstetrics & Gynecology [October 2009]; Capetown

Royal College of Surgeons in Ireland IVF Meeting [May 2009]; Dublin (6 CME credits)

Mediterranean Society for Reproductive Medicine, 2009 Annual Meeting; Florence (24 CME credits)

European Society for Human Reproduction & Embryology, 2008 Annual Meeting; Barcelona (21 CME credits)

American Society for Reproductive Medicine, 2007 Annual Meeting; Washington, DC (22 CME credits)

World Congress on Human Reproduction-AMA Sponsored meeting, March 10-13, 2005; Venice, Italy (27.5 CME credits)

## Dr. Eric Scott Sills

### *Biographical summary*

Eric Scott Sills is an American physician-scientist, lecturer, administrator, and editor with a background in reproductive endocrinology, biotechnology, and medical regulation. Currently, Dr Sills is based near Los Angeles at HRC-Fertility, California's largest fertility clinic. He received his undergraduate degree from Vanderbilt University and holds a PhD in applied biotechnology from London's University of Westminster. His MD was awarded by the University of Tennessee in 1992. Dr Sills' clinical training in gynecology was obtained at NYU Downtown Hospital. He completed his sub-specialty fellowship in reproductive endocrinology & infertility at The New York Hospital-Cornell University Medical Center, working under fertility pioneers Gianpiero Palermo and Zev Rosenwaks. Dr Sills is Board Certified by the American Board of Obstetrics & Gynecology, and is a Fellow of the American College of Obstetricians & Gynecologists, American College of Surgeons, Royal College of Physicians (Ireland), and Society of Biology (UK). He is registered and/or licensed for medicine in California, New York, and the United Kingdom.

Before returning to the United States, Dr Sills supervised the research portfolio at one of Europe's most successful reproductive biology units, Sims IVF/The Sims Institute (2008-2011). In Dublin, he led the Institute's subspecialty academic output to a level exceeding all five of Ireland's medical schools combined. Having directed investigative teams in Europe and the United States, Dr. Sills has discovered three human gene mutations since 2001. In the arena of E.U. public health policy, Dr. Sills' 2009 analysis of the status of non-transferred embryos correctly anticipated a Supreme Court decision with major implications for clinical fertility practice in Ireland. In addition, Dr. Sills was the first to publish successful outcomes from surrogacy and IVF in Ireland (2008), the first to describe Irish births from dual anonymous gamete donation (2010), the first to report IVF births in premature ovarian failure using oocytes donated from a twin sister (2010), and the first to report Irish deliveries after frozen surgically-retrieved sperm (2011).

His research on the advanced reproductive technologies has been presented before expert audiences on six continents. Dr Sills' research interests include bioethics, reproductive biology, minimal access fertility surgery, and the interface between government and medical practice. His work has appeared in *The Lancet*, *JAMA*, and *The New England Journal of Medicine*. In 2007, Dr Sills chaired a research initiative among Arab and Israeli fertility centres in 13 countries—the first collaboration of its kind in the Middle East. The following year he accepted a Board of Regents nomination to the New York State Board for Medicine, one of the busiest state medical licensure bodies in the United States.

Having authored more than 100 peer-reviewed publications, Dr Sills has refereed articles for numerous scholarly journals of worldwide scope. He edited *Gonadotropin Releasing Hormone (GnRH): Production, Structure & Function*, a textbook published by Nova Science Press (2013). Dr Sills has served as editor-in-chief for the *Journal of Experimental & Clinical Assisted Reproduction* since 2004, and is among a very limited group of individuals who have co-authored papers with both a Member of Congress (USA) and Member of Parliament (UK). Uniquely, Dr Sills has given scientific lectures to audiences at both the U.S. Military Academy (West Point) and in Tehran, Iran.