

May-Tal Sauerbrun-Cutler, MD

Women and Infants Hospital of Rhode Island
Division of Reproductive Endocrinology and Infertility
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EDUCATION

1999-2003 University of California, Berkeley, CA
Bachelor of Science Molecular Biology, 2003
Honors List 1999-2003
Graduation with Honors May 2003

2006-2010 Sackler School of Medicine-New York State/American Program, Tel Aviv University, Israel
Doctor of Medicine, 2010
Dean's Award for Top Student on Clinical Rotations

POSTGRADUATE TRAINING

2010-2014 Residency in Obstetrics and Gynecology
Mount Sinai St. Luke's-Roosevelt Hospitals
Icahn School of Medicine at Mount Sinai
1000 Tenth Avenue New York, NY 10019
Program Director: Lois Brustman, MD

2017 –2020 Fellowship in Reproductive Endocrinology and Infertility
Women & Infants Hospital of Rhode Island and the Alpert Medical School of Brown University
101 Dudley Street, Providence, Rhode Island 02905
Program Director: Carol Wheeler, MD

HONORS AND AWARDS

2019 ASRM In-Training Award for research-selected by ASRM Scientific Program Committee
American Society for Reproductive Medicine (ASRM)

2019 SREI Fellow Education Day Award to attend the Oncofertility Conference
Oncofertility Consortium, Northwestern University

2018 Fellow Excellence in Teaching Award for resident medical education
Warren Alpert Medical School of Brown University/Women & Infants Hospital of Rhode Island

2010 Dean's Award for Top 3rd Year Student on Clinical Rotations
Sackler School of Medicine

2007 DELE Certification/Award for excellence in Spanish language
Spanish Embassy, Tel Aviv

2003 Departmental Honors for senior thesis, "Interferon-Responsive Genes are Induced by 3,3'-Diindolylmethane(DIM) in MDA-231 Human Breast Cancer Cells."

UC Berkeley, California

1999-2003 Honors List, UC Berkeley, California

PROFESSIONAL LICENSURE AND CERTIFICATION

2019 - present Fellow, The American Congress of Obstetricians and Gynecologists

2018 - present American Board of Obstetrics and Gynecology, Board Certified
Obstetrics and Gynecology, November 2018

2017 - present Rhode Island Board of Medical Licensure and Discipline, Physician License (MD 15665)

2015 - present Commonwealth of Massachusetts Board of Registration in Medicine, Physician License (261318)

2010 - present Basic Life Support (BLS)/ Advanced Care Life Support (ACLS)

ACADEMIC APPOINTMENTS

2020 – current Assistant Professor
Department of Obstetrics and Gynecology
Women & Infants Hospital of Rhode Island
Warren Alpert Medical School of Brown University

2017 - 2020 Clinical Instructor
Department of Obstetrics and Gynecology
Women & Infants Hospital of Rhode Island
Warren Alpert Medical School of Brown University

2013 – 2014 Administrative Chief Resident
Department of Obstetrics and Gynecology
Mount Sinai St. Luke's-Roosevelt Hospitals
Icahn School of Medicine at Mount Sinai

MEMBERSHIP IN PROFESSIONAL SOCIETIES

2017 – present New England Fertility Society

2017 – present AAGL (American Association of Gynecologic Laparoscopists)

2013 – present American Society for Reproductive Medicine

2010 – present American Congress of Obstetricians and Gynecologists

EDITORIAL BOARD

2018 - present Journal of Minimally Invasive Gynecology (JMIG)

EDITORIAL REVIEWER

2019 – present Fertility and Sterility
August 2020

2018 - present	Journal of the American Medical Association (JAMA)
2018 - present	American Journal of Reproductive Immunology
2013 - present	Journal of Assisted Reproduction and Genetics

BIBLIOGRAPHY

MANUSCRIPTS IN PEER REVIEWED JOURNALS

1. **Sauerbrun-Cutler M**, Huber III W, Krueger, Sung J, Sharma S. (2020), Do Endometrial Natural Killer and Regulatory T Cells Differ in Infertile and Clinical Pregnancy Patients? An Analysis in Patients Undergoing Frozen Embryo Transfer Cycles. Accepted for publication in American Journal of Reproductive Immunology.
2. Huber III W and **Sauerbrun-Cutler M**, Krueger P, Sharma S. (2020), Novel predictive and therapeutic options for better pregnancy outcome in frozen embryo transfer cycles. Accepted for publication in American Journal of Reproductive Immunology.
3. Huber, W.J., III, **Sauerbrun-Cutler, M-T.**, Krueger, P.M., Lambert-Messerlian, G. and Sharma, S. (2020), Human chorionic gonadotropin-mediated modulation of pregnancy compatible peripheral blood natural killer cells in frozen embryo transfer cycles. Accepted for publication in American Journal of Reproductive Immunology.
4. **Sauerbrun-Cutler M**, Brown E, Frishman GN. SART advertising guidelines: How are member clinics doing? Accepted for publication in Fertility and Sterility.
5. **Sauerbrun-Cutler MT**, Huber WJ 3rd, Has P, et al. Is intracytoplasmic sperm (ICSI) better than traditional in vitro fertilization (IVF): confirmation of higher blastocyst rates per oocyte using a split insemination design. Journal of Assisted Reproduction and Genetics. 2020 Jul;37(7):1661-1667.
6. **Sauerbrun-Cutler M**, Alvero R. Short- and long-term impact of gonadotropin-releasing hormone analogue treatment on bone loss and fracture. Fertility and Sterility. 2019 Nov;112(5):799-803.
7. Vega M, Breborowicz A, **Sauerbrun MT**, Stein D, McGovern PG and Keltz MD. Day three biopsy and blastulation rates. J Reprod Med. 2016 Aug; 61(4):336-340.
8. Zalmanovici Trestioreanu A, Lador A, **Sauerbrun-Cutler MT**, Leibovici L. Antibiotics for asymptomatic bacteriuria. Cochrane Database Syst Rev. 2015 Apr 8;4.
9. **Sauerbrun-Cutler MT**, Vega M, Breborowicz A, Gonzales E, Stein D, Lederman M, Keltz M. Oocyte zona pellucida dysmorphology is associated with diminished in-vitro fertilization success. J Ovarian Res. 2015 Feb 27;8(1):5.
10. **Sauerbrun-Cutler MT**, Vega M, Keltz M, McGovern PG. In Vitro Maturation (IVM) and its role in ART. Obstet Gynecol Surv. 2015 Jan;70(1):45-57.
11. **Sauerbrun-Cutler M**, Segars J. Do In utero events contribute to current health disparities in reproductive medicine? Semin Reprod Med 2013 Sep;31(5):325-32.
12. Keltz M, **Sauerbrun-Cutler M**, Durante M, Moshier E, Stein D, Gonzales E. Positive chlamydia trachomatis serology in infertility is a negative prognosticator for intrauterine pregnancy. Sexually Transmitted Diseases. 2013 Nov;40(11):842-5.

13. Keltz M, **Sauerbrun-Cutler M**, Breborowicz AK. Managing poor responders in IVF. *Expert Rev Obstet Gynecol*. 2013 Mar;8(2):121-134.
14. **Sauerbrun-Cutler M**, Kanos J, Friedman A, Bernstein S. Pseudoaneurysm after abdominal myomectomy: a rare but catastrophic complication. *Open J Obstet Gynecol*. 2013 Jan;3(1):123-5.
15. Keltz M, **Sauerbrun-Cutler M**. Chlamydia trachomatis serology screening in reproductive medicine: a comprehensive review. *Expert Rev Obstet Gynecol*. 2012 May;7(3):205-11.

PUBLISHED ABSTRACTS AND SCIENTIFIC PRESENTATIONS

1. **Sauerbrun-Cutler M**, Brown E, Frishman GN, Keltz M. Fluoroscopic-guided Hysteroscopic Tubal Cannulation Results in High Technical Success, High Spontaneous Pregnancy Rates, and Similar Time to Pregnancy When Compared to Laparoscopic-Guided Hysteroscopic Tubal Cannulation. Accepted for **oral presentation** at the ASRM Annual Virtual Scientific Congress and Expo, October 2020; virtual conference.
2. **Sauerbrun-Cutler M**, Huber III W, Krueger, Sung J, Sharma S. Do Endometrial Natural Killer and Regulatory T Cells Differ in Infertile and Clinical Pregnancy Patients? An Analysis in Patients Undergoing Frozen Embryo Transfer Cycles. Accepted for **oral presentation** at the ASRM Annual Virtual Scientific Congress and Expo, October 2020; virtual conference.
3. **Sauerbrun-Cutler M**, Brown E, Frishman GN, Keltz M. Fluoroscopically Guided Hysteroscopic Tubal Cannulation: A Novel Procedure for Unilateral or Bilateral Proximal Tubal Obstruction Promptly Resolves Tubal Infertility. Accepted for scientific paper presentation at Minimally Invasive Surgery(MIS) Week 2020, August 2020; virtual conference.
4. **Sauerbrun-Cutler M**, Brown E, Has P, Frishman GN. IVF clinic websites: Buyer Beware the System is Broken. **Oral presentation** at the Annual Meeting of American Society of Human Reproduction Medicine, October 2019; **Philadelphia**.
5. Huber III W, Krueger P, **Sauerbrun-Cutler M**, Lambert-Messerlian G, Sharma S. Natural Killer Cell-Based Predictive Assay for Pregnancy Outcome in Frozen Embryo Transfer Cycles. Poster presentation at the Annual Meeting of American Society of Human Reproduction Medicine, October 2019; Philadelphia.
6. **Sauerbrun-Cutler M**, Ghidei L, Huber III W, Wu X, Wang S, Alvero R. 3-D Ultrasound is Accurate for Follicular Monitoring but Does Not Reduce Time to Perform. Poster presentation at ACOG clinical and scientific meeting, May 2019; Nashville.
7. **Sauerbrun-Cutler M**, Huber III W, Has P, Shen C, Wang S, Hackett R, Alvero R. IVF insemination provides higher blastulation rates compared to ICSI-a sibling oocyte study. Poster presentation at the Annual Meeting of American Society of Human Reproduction Medicine, October 2018; Denver.
8. Huber III W, Mensah V, **Sauerbrun-Cutler M**, Zhang Y, Huang Y, Alvero R, Wang S. Polycystic Ovary Syndrome (PCOS) protects against the natural decline in Fertility with advancing reproductive age: findings of a large retrospective cohort analysis. Poster presentation at the Annual Meeting of American Society of Human Reproduction Medicine, October 2018; Denver.
9. **Sauerbrun-Cutler M**, Ozensoy S, Vega M, Keltz M. Does PICSi offer an advantage over ICSI in ART for patients with male factor. Poster presentation at the Conjoint Meeting of the International Federation of Fertility Societies and the American Society for Reproduction Medicine, October 2013; Boston.

10. Vega M, Keltz M, Sirota I, **Sauerbrun-Cutler M**. Comparative genomic hybridization (CGH) after day 3 blastomere biopsy results in lower multiple pregnancy and miscarriage rates, as well as improved clinical and ongoing pregnancy rates in fresh IVF. Poster presentation at the SGI 60th Annual Scientific Meeting, March 2013; Orlando.
11. **Sauerbrun-Cutler M**, Keltz M, Lederman M, Vega M, Stein D. Serum anti-mullerian hormone levels decrease after metformin administration in women with polycystic ovary syndrome more in patients with lean PCOS despite their normal levels of Insulin resistance. Poster presentation at the SGI 60th Annual Scientific Meeting, March 2013; Orlando.
12. **Sauerbrun-Cutler M**, Lederman M, Lee M, Stein D, Keltz M. Serum anti-mullerian hormone levels (AMH) decrease after metformin administration in women with both lean and overweight polycystic ovary syndrome (PCOS). Poster presentation at the 68th Annual Meeting of American Society of Human Reproduction Medicine, October 2012; San Diego.
13. Keltz M, Breborowicz A, **Sauerbrun M-T**, Gonzales E. Oocyte dysmorphology is associated with both poor IVF outcome and pelvic endometriosis, yet recent treatment had no effect on subsequent IVF outcome. Poster presentation at the 67th Annual Meeting of the American Society for Reproductive Medicine, October 2011; Orlando.
14. Keltz M, **Sauerbrun M**, Breborowicz A, Gonzales E. Oocyte zona pellucida dysmorphology is associated with both poorer IVF outcomes and laparoscopically confirmed pelvic endometriosis. Poster presentation at the 27th Annual Meeting of the European Society of Human Reproduction and Embryology, July 2011; Stockholm, Sweden.

PUBLICATIONS SUBMITTED OR IN PREPARATION

1. **Sauerbrun-Cutler M**, Brown E, Frishman GN, Keltz M. Fluoroscopic-guided Hysteroscopic Tubal Cannulation is a novel procedure for proximal tubal obstruction resulting in high technical success, high spontaneous pregnancy rates, and similar time to pregnancy when compared to Laparoscopic-guided Hysteroscopic Tubal Cannulation. In preparation.

BOOK CHAPTERS

1. **Sauerbrun-Cutler M**, Cardozo E: Uterine Fibroids, The Health Care Costs of Uterine Fibroids, CRC press, In press.
2. **Sauerbrun-Cutler M**, Mullin C and Hershlag A: Survivors of Childhood Cancer and Cancer Treatments, Abnormal Female Puberty: A Clinical Casebook, Edited by Appelbaum H, Springer International, 241-259, 2016.

ONGOING RESEARCH AND SCHOLARLY ACTIVITY

1. Sauerbrun-Cutler M, Alvero R. Developing a prediction model for oocyte maturity based on follicular size: Medical record review and data abstraction ongoing.
2. Sauerbrun-Cutler M, Huber III W, Sharma S. Developing an assay to predict pregnancy success using Natural killer and T-regulatory cells. Research ongoing.
3. Sauerbrun-Cutler M, Cardozo E, Stuckey A, Robison C. Breast cancer fertility preservation outcomes in a mandated state- A pilot study evaluating a new intervention utilizing telehealth consults. Research ongoing.

INVITED PRESENTATIONS

January, 2020	Updates in Fertility Preservation Grand Rounds Women & Infants Hospital of Rhode Island, Division of Reproductive Endocrinology. Providence, RI
October, 2019	Reproductive Endocrinology and Infertility: An Overview Reproductive Epidemiology Course Brown School of Public Health. Providence, RI.
February, 2018	Infertility Evaluation and Treatment Medical Student Review lecture Women & Infants Hospital of Rhode Island, Division of Reproductive Endocrinology. Providence, RI.
June, 2014	Does HBA Selection “picsi” Improve IVF Outcome in Male Factor Infertility St-Luke’s-Roosevelt Research Day St. Luke’s-Roosevelt Hospital Center. New York, NY.
April, 2013	Chlamydia Infection, Chlamydia Serology and Reproduction Continuum Health Partners Obstetrics & Gynecology Postgraduate Course Beth Israel Hospital Center. New York, NY.
June, 2012	Chlamydia Serology and Infertility St-Luke’s-Roosevelt Research Day St. Luke’s-Roosevelt Hospital Center. New York, NY.
June, 2011	Oocyte Dysmorphology is Associated with Both Poor IVF Outcome and Pelvic Endometriosis St-Luke’s Roosevelt Research Day St. Luke’s-Roosevelt Hospital Center. New York, NY.
May 2003	Interferon- γ Responsive Genes are Induced by 3,3'-diindolylmethane(DIM) in MDA-231 Human Breast cancer cells Honors Research Symposium University California Berkeley. Berkeley, CA.
April, 2002	Microenvironment and the role in tumor development of lung cancer Cancer Cell Biology Symposium University California Berkeley. Berkeley, CA.

INVITED ABSTRACT REVIEWER

October 2019, 2020	American Society for Reproduction Medicine (ASRM) Annual Meeting.
November 2019, 2020	American Association of Gynecologic Laparoscopists (AAGL) Annual Meeting.

GRANTS

2020	Seed Funding Care New England: Breast cancer fertility preservation outcomes in a mandated state- A pilot study evaluating a new intervention utilizing telehealth consults. (Value \$30,000).
2013	Small Grants Program St. Lukes Roosevelt Hospital: The value of Hyaluronic binding Selection (PICSi) in improving IVF outcome. (Value: \$10,000).

2011 Small Grants Program St. Lukes Roosevelt Hospital: The Value of Hyaluronic Binding Assays (HBA) in the Evaluation of Idiopathic Infertility. (Value: \$1200).

UNIVERSITY TEACHING ROLES

UNDERGRADUATE MEDICAL EDUCATION

2018-present Lecturer: Menstrual Cycle
ObG-490 Core Clerkship in Obstetrics and Gynecology
Warren Alpert Medical School of Brown University
5 seminars: 12-18 students per seminar

2018 -present Small Group Facilitator: Problem Based Cases in Human Reproduction
Biomed 351/Biomed 3674 Human Reproduction, Growth and Development
Warren Alpert Medical School of Brown University
6 sessions per year: 9 students per session

2018 - present Student Preceptor: General Topics in Obstetrics and Gynecology
ObG-409 Core Clerkship in Obstetrics and Gynecology
Warren Alpert Medical School of Brown University
1 student per 6-week block (2 students per year)

2017 - present Student Instructor: Ultrasound workshop
Course in Obstetrics and Gynecology
Warren Alpert Medical School of Brown University
2 sessions: 12 students per session

2017- 2019 Lecturer: Infertility Evaluation and Treatment
ObG-490 Core Clerkship in Obstetrics and Gynecology
Warren Alpert Medical School of Brown University
5 seminars: 12-18 students per seminar

GRADUATE MEDICAL EDUCATION

2018 - present Lecturer
Resident Core Curriculum
Department of Obstetrics and Gynecology, Women & Infants Hospital

2018 Instructor/Simulation Leader: Hysteroscopy training
Residency in Obstetrics and Gynecology Simulation Program
Warren Alpert Medical School of Brown University/Women & Infants Hospital of Rhode Island
32 residents - PGY-1 to PGY-4

2017 Lecturer: Review of ART
Noon conference Lecture - Residency Program in Obstetrics and Gynecology
Warren Alpert Medical Scho(Col of Brown University/Women & Infants Hospital of Rhode Island

EMPLOYMENT

2015 - 2017 OBGYN Physician at Hallmark Health Systems

August 2020

Melrose, Massachusetts

2014 – 2015

Physician Scientist, The Feinstein Institute for Medical Research, Division of Reproductive Endocrinology and Infertility, Northwell Health system
Long Island, New York

2003 – 2006

HealthCare Consultant, MercerHR Consulting
San Francisco, California