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ALBERT L. HSU, M.D., M.S.

Reproductive Endocrinology and Infertility

Education:

- 7/2011 – 6/2014 Fellowship in Reproductive Endocrinology and Infertility
Jones Institute for Reproductive Medicine
Eastern Virginia Medical School; Norfolk, VA
- 7/2009 – 6/2011 Postdoctoral Research Fellowship
Program in Reproductive and Adult Endocrinology
NIH/NICHD; Bethesda, MD
- 6/2005 – 6/2009 Residency in Obstetrics and Gynecology
Tufts-Baystate Medical Center; Springfield, MA
- 6/1996 – 6/2005 M.D., M.S. in Biology (was in combined MD/PhD program)
Albert Einstein College of Medicine; Bronx, NY
- 8/1992 – 7/1996 B.S. in Materials Science and Engineering
Massachusetts Institute of Technology; Cambridge, MA

Employment:

- 12/2017-present Assistant Professor, Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, University of Missouri – Columbia; Columbia, MO
- 7/2014-5/2017 Assistant Professor, Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, Dartmouth-Hitchcock Medical Center (DHMC) and Geisel School of Medicine at Dartmouth; Lebanon, NH
- 10/09-6/2011 Attending Staff, George Washington University Medical Center; Department of Obstetrics and Gynecology; Washington, DC

Certification:

- Board-certified (Ob/Gyn)
Board-certified (Reproductive Endocrinology and Infertility)
Missouri medical license #2017035181

Honors and Awards:

- 2017 “Top Doc” in Reproductive Endocrinology and Infertility, New Hampshire Magazine
- 2013 First Prize, poster session, Eastern Virginia Medical School Research Symposium
- 2009 Endometriosis Association Young Investigator Travel Grant
- 2008 Ronald Burkman Departmental Research Award
- 2007 & 2008 Accomplished Teaching Citation, Tufts University
- 2007 Berlex-Resident Teaching Award, Tufts-Baystate Medical Center, Dept of Ob/Gyn
- 1996 Medical Scientist Training Program, Albert Einstein College of Medicine
- 1996 William Stewart Jr Award for Community Service, MIT
- 1994 Howard Hughes Undergraduate Summer Research Scholarship

Advocacy: Campaigns

- **COVID-19** (2020): I have been working closely with the Boone County Medical Society and Missouri State Medical Association to host weekly Zoom webinars on COVID-19 for our community physicians (with 26 webinars to date): <https://www.boonecountymedicalsociety.org/covid-19-resources.html>
 - o advising a local med student / MPH student volunteer response (lobbying for our state “shelter-in-place” order in Mar, now currently lobbying local county commissioners to deploy CARES Act funding to their local public health agencies)
- **Personhood** (2012): worked with ASRM, RESOLVE (the National Infertility Association), Dr. Howard Jones and others to successfully oppose H.B.1, a “Personhood” bill which would have criminalized in-vitro fertilization, contraception, and ectopic pregnancy management in the Commonwealth of Virginia
- **New York City Coalition for a Smoke-free City** (2002-2004): served on Executive Council of the NYC Coalition for a Smoke-free City, working with the American Cancer Society and the Medical Society of the State of New York

- to pass Intro 256-A (Smokefree Workplaces Act of 2002), banning smoking in all bars, restaurants, nightclubs, billiard halls, and bingo parlors in New York City (passed December 2002) and New York State (passed March 2003)
- **SUNY Medical Student Executive Council** (2001-2003): organized medical students to lobby against mid-year and retroactive tuition increases at the SUNY public medical schools in New York
- **Asian American and Pacific Islander (AAPI) Health Initiative** (1999): led national effort by the American Pacific American Medical Student Association (APAMSA) to help successfully lobby for a White House Executive Order to establish the AAPI Health Initiative
- **CDC National Task Force on Hepatitis B Immunizations, Focus on Asians and Pacific Islanders** (1997-1999): organized medical students to establish programs to vaccinate middle-school children against Hepatitis B in New York, Boston and Chicago

Advocacy: Selected / notable resolutions, forwarded to the AMA House of Delegates (HOD)

- **YPS** late resolution co-author (I-19): *Preserving Childcare at AMA Meetings*. Adopted by AMA-YPS at I-19, Adopted by AMA-HOD as AMA Policy G-600.115, I-19.
- **YPS** resolution author (A-19): *Public Health Impacts and Unintended Consequences of Legalization and Decriminalization of Cannabis for Medicinal and Recreational Use*. Adopted by AMA-YPS at A-19, Adopted by AMA-HOD as AMA Policy D-405.980, A-19
- **YPS** resolution author (I-18): *Peer Support Groups for Second Victims*. Adopted by AMA-YPS at I-18, Adopted by AMA-HOD as AMA Policy D-405.980, A-19
- **YPS** resolution author (I-18): *White House Initiative on Asian Americans and Pacific Islanders*. Adopted by AMA-YPS at I-18; Adopted by AMA-HOD as AMA Policy H-350.954 “Disaggregation of Demographic Data Within Ethnic Groups”
- **YPS** late resolution co-author (I-17): *Giving Rights to Ectopic Pregnancies*. Adopted by AMA-YPS at I-17, Adopted as AMA Policy H-140.835 “Political Interference in the Patient-Physician Relationship,” I-17
- **YPS** resolution co-author (I-15): *Parity in Reproductive Health Insurance Coverage for Same-Sex Couples*. Passed by YPS at I-15; adopted as AMA policy H-185.926 “Reproductive Health Insurance Coverage,” I-16.
- **YPS** Resolution author (I-15): *Transgenerational Effects of Environmental Toxins on Reproductive Health*. Adopted by AMA-YPS at I-15, Adopted by AMA-HOD as AMA Policy H-135.926, A-16.
- **YPS** Resolution co-author (A-15): *Infertility Benefits for Veterans*. Adopted by AMA-YPS at A-15, Addressed in CMS Report 01 and passed as AMA Policy H-510.984, I-16.
- RFS Resolution author (A-14): *Infertility and Fertility Preservation Insurance Coverage*. Adopted by AMA-RFS at A-14, Adopted by AMA-HOD as AMA Policy H-185.990, I-14.
- RFS Resolution author (A-12): *Opposition to Criminalization of Reproductive Decision-Making*. Adopted by AMA-RFS at A-12, Reaffirmed by the House of Delegates, I-12.
- RFS Resolution co-author (A-07): *Opposition to Criminalization of Medical Care Provided to Undocumented Immigrant Patients*. Adopted by AMA-HOD as AMA Policy H-440.876, A-07.
- MAC/RFS Resolution co-author (A-07): *Reauthorization of the Indian Health Care Improvement Act*. Adopted by AMA-HOD as AMA Policy H-350.962, A-07.
- RFS Resolution co-author (A-07): *Assessing the Health Care Proposals of the US Presidential Candidates*. Referred to the AMA Board of Trustees for Decision, A-07; and subsequently featured on the AMA website.
- MSS Resolution co-author (A-03): *State-Based Demonstration Projects of our AMA Plan for Reform to Expand Health Care Coverage to the Uninsured*. Adopted by HOD as AMA Policy D-165.968, I-03.
- MSS Resolution co-author (A-03): *Injunctive Relief Against Mid-Year and Retroactive Medical School Tuition Increases*. Adopted by HOD as AMA policy D-305.985, A-03.
- MSS Resolution co-author (A-03): *Building AMA-MSS Membership through Promotion of AMPAC and State Medical PACs*. Adopted by HOD as AMA policy D-640.995, A-03.
- MSS Resolution co-author (I-02): *Launching a Multi-State Smokefree Workplaces Campaign in 2003*. Adopted by HOD as AMA policy H-505.966 and D-505.966, I-02.
- MSS Resolution co-author (A-02): *Recognizing Spouse and Dependent Care Expenses in Determining Medical Education Financial Aid*. Adopted as policy D-305.986, I-02.
- MSS Resolution co-author (A-02): *Reauthorization and Reversal of Proposed Funding Cuts to Title VII, Title VIII, and the Children’s Hospital’s GME Programs*. Adopted by HOD as AMA policy D-305.989, A-02.
- MSS Emergency Resolution co-author (I-01): *Mid-Year and Retroactive Medical School Tuition Increases*. Adopted by HOD as AMA policy D-295.978, I-01.
- MSS Resolution co-author (A-01): *Removal of the Income Threshold for the Interest Deductibility of Educational Loans*. Reaffirmed by the House of Delegates, I-01.

- MSS Resolution co-author (I-99): **Support of the White House Initiative on Asian Americans and Pacific Islanders**. Adopted by HOD as AMA policy H-350.966, A-00.

Selected Publications:

- Hsu AL, Finlinson A, Warncke K. "Mechanisms by Which SARS-CoV-2 May Impact Male Fertility." *Reproductive Sciences*. 2020 Oct 6; doi: 10.1007/s43032-020-00304-5. PubMed PMID: 33025529;
- Rodriguez C, Morris C, Hsu AL. "Pediatric Care in the Age of COVID-19." *Pediatr Ann*. 2020; 49(9):e403-e404. PMID 32929516)
- Hsu AL, Guan M, Johannesen E, et al. Placental SARS-CoV-2 in a Pregnant Woman with Mild COVID-19 Disease. *J Med Virol*. 2020;10.1002/jmv.26386. doi:10.1002/jmv.26386 (PMID 32749712)
- Sampson C, Zguta A, Hsu AL. "COVID-19 response in mid-Missouri." *Mo Med*. 2020 May-Jun; 117(3):180-183, at: <https://www.omagdigital.com/publication/?m=11307&i=662366&p=18> (PMID 32636541)
- Zagadailov P, Seifer DB, Shan H, Zarek SM, Hsu AL. Do state insurance mandates alter ICSI utilization? *Reprod Biol Endocrinol*. 18 (1): 33, 2020 (PMID 32334609)
- Hsu A, Kohli N. "Young Physician Leaders Represent MSMA at AMA." *Mo Med*. 2018 Nov-Dec; 115(6): 505. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6312151/>
- Hsu A, Kohli N. "YPS Report: The Role of Private Equity in Medicine." *Mo Med*. 2018 Jul-Aug; 115(4): 333. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6140252/>
- Hsu A. "The Case for Organized Medicine." *Mo Med*. 2018 May-Jun; 115(3): 201. <https://www.ncbi.nlm.nih.gov/pubmed/30228720>
- Hsu AL, Caverzagie K. "Educational Debt and Specialty Choice." *Virtual Mentor*. 15:615-619, 2013. <http://virtualmentor.ama-assn.org/2013/07/oped1-1307.html> Accessed July 1, 2013
- Hsu, AL. Asian Pacific American Medical Student Association's Work in Hepatitis B Vaccinations. *Asian American Pacific Islander Journal of Health*. 6 (2): 225, 1998
- Zagadailov P, Hsu AL, Stern JE, Seifer DB. Temporal differences in utilization of intracytoplasmic sperm injection among U.S. Regions. *Obstet Gynecol*. 132 (2): 310-320, 2018
- Hsu AL, Townsend PM, Castora FJ, Oehninger S. Endometriosis may be associated with mitochondrial dysfunction in cumulus cells from subjects undergoing IVF-ICSI, as reflected by decreased ATP production. *Fertility and Sterility*. 103 (2): 347-352, 2015
- Hsu AL, Sinaii N, Segars J, Nieman L, Stratton P. Relating Pelvic Pain Location to Surgical Findings of Endometriosis. *Obstetrics and Gynecology*. 118 (2 Pt 1): 223-30, 2011
- Hsu AL, Army M, Knee A, Bell C, Cook E, Novak A, Grow D. Antral Follicle Count (AFC) in Clinical Practice: Analyzing Clinical Relevance. *Fertility and Sterility*. 95 (2): 474-479, 2011
- Hsu AL, Khachikyan I, Stratton P. Invasive and non-invasive methods for the diagnosis of endometriosis. *Clinical Obstetrics and Gynecology*. 53 (2): 413-419, 2010
- Lafaille JJ, Keere FV, Hsu AL, Baron JL, Haas W, Raine CS, and Tonegawa S. "Myelin basic protein-specific T helper 2 (Th2) cells cause experimental autoimmune encephalomyelitis in immunodeficient hosts rather than protect them from the disease." *Journal of Experimental Medicine*. 186 (2): 307-312, 1997
- => Complete List of Published Work in MyBibliography: <https://www.ncbi.nlm.nih.gov/myncbi/albert.hsu.1/bibliography/public/>

Research Grants

- 2016 ASRM Research Grant:** "Mitochondrial Dysfunction in Women with Endometriosis – Novel Possibilities for Etiology and Treatment"
- 2016 New England Fertility Society (NEFS)/Practice Highway Research Grant:** "Fertilization, implantation, pregnancy and live birth rates in women with and without endometriosis."

Leadership Positions:

- 2020 **President-elect**, Boone County Medical Society (BCMS)
- 2019-present **Delegate** to the AMA House of Delegates, for the American Society for Reproductive Medicine (ASRM)
- 2019-present Executive Committee, AMA Forum for Medical Affairs
- 2018-2019 YPS Chair, Missouri State Medical Association
- 2012-2013 Resident and Fellow Sectional **Delegate** to AMA House of Delegates, for ASRM
- 2007 Resident and Fellow Sectional **Delegate** to AMA House of Delegates, for ACOG
- 2004 MSS Chair, Medical Society of the State of New York
- 2003 Medical Student Regional **Delegate** to AMA House of Delegates, Region 7
- 2001-2002 Medical student member, AMA Council on Constitution and Bylaws

Biographical Data:

- Wife: Tracy L. Martino-Hsu, Family Nurse Practitioner
- Children: ages 17, 15, 8 and 5.5 years old
- Hobbies: playing and coaching ultimate frisbee; history & current events; reading; piano