

RASHMI RAO, MD, MA

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APPOINTMENT

8/28/2017-present **Health Sciences Assistant Clinical Professor**
 Department of Obstetrics & Gynecology
 Division of Maternal Fetal Medicine
 David Geffen School of Medicine, University of California, Los Angeles

7/1-8/27 2017 **Assistant Clinical Professor – Voluntary**
 Department of Obstetrics & Gynecology
 Division of Maternal Fetal Medicine
 David Geffen School of Medicine, University of California, Los Angeles

EDUCATION

2014-2017 **University of California at Los Angeles, Los Angeles, CA**
 Department of Obstetrics & Gynecology
Maternal-Fetal Medicine, Fellow & Clinical Instructor

2010-2014 **University of California at Los Angeles, Los Angeles, CA**
 Department of Obstetrics & Gynecology
Obstetrics and Gynecology, Resident

2005-2010 **Boston University, School of Medicine. Boston, MA**
Doctor in Medicine

2002-2004 **Boston University, School of Medicine. Boston, MA**
Master of Arts, Medical Science

1998-2002 **University of California at Los Angeles, Los Angeles, CA**
Bachelor of Sciences, Psychobiology

LICENSE AND CERTIFICATIONS

2016 Board Certified, American Board of Obstetrics and Gynecology
 2012 Medical Board of California, Physician and Surgeon: License and DEA certified

PROFESSIONAL ORGANIZATIONS

2005- American Congress of Obstetricians and Gynecologists
 2014- Society for Maternal-Fetal Medicine
 2015- International Society of Ultrasound in Obstetrics and Gynecology
 2015- American Institute of Ultrasound in Medicine
 2002- American Medical Association
 2002-2010 Massachusetts Medical Society

AWARDS

2014	2 nd place Poster Presentation Obstetrics and Gynecology Assembly of Southern California, Los Angeles, California
2013	New Investigator Poster Presentation Award/Prize 60 th Annual Society for Gynecologic Investigation (SGI), Orlando Florida
2013	Resident Research Award, Department of Obstetrics and Gynecology
2013-2014	Administrative Chief Resident, University of California, Los Angeles. Department of Obstetrics and Gynecology. Elected by Obstetrics and Gynecology residents
2010	Benjamin Tenney Award for leadership in Ob/Gyn Boston University School of Medicine
2007	'Leadership Award for Minority Recruitment' National Marrow Donor Program
1998-1999	National Honors Society. 1998-1999, University of California, Los Angeles

GRANTS

2015-2016	Rare Disease Clinical Research Training Program: NIH (R25HD078229)
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PEER REVIEWED PUBLICATIONS

Scibetta, EW. Valderramos, SG. **Rao, R.** Silverman NS. Han, CS. Platt, LD. Clinical accuracy of abnormal cell-free fetal DNA (cfDNA) results for the sex chromosomes. *Prenatal Diagnosis*, 2017 PMID: 28837243

Rao, R. Gaw SL. Han, CS. Platt, LD. Silverman, NS. Zika risk and pregnancy in clinical practice: Ongoing experience as the outbreak evolves. *Obstetrics and Gynecology*, 2017 PMID: 2848639

Han, M. Afshar, Y. Chon, AH. Scibetta E. **Rao, R.** Chmait, RH. Pseudoamniotic band syndrome post fetal thoracoamniotic shunting for bilateral hydrothorax. *Fetal and Pediatric Pathology*, 2017 PMID: 28453379

Rao, R. Valderramos, SG. Silverman, NS. Han, CS. Platt, LD. The value of first trimester in the era of cell free DNA screening. *Prenatal Diagnosis*, 2016 PMID: 27813114

Valderramos, SG. **Rao, R.** Scibetta, EW. Silverman, NS. Han, CS. Platt, LD. Cell-free DNA screening in clinical practice: abnormal autosomal aneuploidy and microdeletion results. *American Journal of Obstetrics and Gynecology*, 2016 PMID: 27371353

Rao, R. Platt, L.D. Ultrasound screening: status of markers and efficacy of screening for structural abnormalities. *Seminars in Perinatology*, 2016 PMID: 26777687

Sheibani L, Fong A, Henry DE, Norton ME, Truong YN, Anyikam A, **Rao R,** Wing DA. Maternal and neonatal outcomes after antenatal corticosteroid administration for PPROM at 32 to 33 6/7 weeks gestational age. *J Matern Fetal Neonatal Med*, 2016 PMID: 27578238

Abuhamad, A., Zhao, Y., Abuhamad, S., Sinkovskaya, E., **Rao, R.,** Kanaan, C., Platt, L. Standardized Six-Step Approach to the Performance of the Focused Basic Obstetric Ultrasound Examination. *Am J Perinatol*, 2015 PMID: 26238329

Sen S, **Rao R,** Chaudhuri G. Endothelial cell function in utero-placental circulation physiology and pathophysiology. *Curr Vasc Pharmacol*, 2013 PMID: 24063384

OTHER PUBLICATIONS

Non Peer Reviewed Publication:

Rao R, Sen S, Han B, Ramadoss S, Chaudhuri G. Gestational diabetes, preeclampsia and cytokine release: similarities and differences in endothelial cell function. *Adv Exp Med Biol*, 2014. PMID: 25015801

MANUSCRIPTS SUBMITTED AND IN PREPARATION

Blumenthal, EA. **Rao, R.** Hong, R. Moriarty, J. Lee, EW. Kahn, DA. Tabsh, KM. Janzen, C. Placenta percreta: A proposed multidisciplinary management protocol [Submitted]

SELECTED ABSTRACTS AND PRESENTATIONS

- 2017 **Rao, R.** Krakow, D “A novel approach to diagnosing disorders of the skeleton: The fetal metacarpal to phalange ratio” Poster at the Society for Maternal-Fetal Medicine 37th Annual Meeting, Las Vegas, NV
- 2016 **Rao, R.** Krakow, D. “Development of a pregnancy survey for osteogenesis imperfect” Poster at the Rare Disease Clinical Research Network Conference on Clinical Research for Rare Diseases. 4th Annual Meeting, Washington D.C.
- 2016 Valderramos, SG. Scibetta, EW. **Rao, R.** K Carson, D Krakow, NS Silverman, CS Han, and LD Platt. “Clinical accuracy of abnormal autosomal cell-free DNA screening.” Poster at the Society for Maternal-Fetal Medicine 36th Annual Meeting, Atlanta, GA
- 2016 Valderramos, SG. Scibetta, EW. **Rao, R.** K Carson, D Krakow, NS Silverman, CS Han, and LD Platt. “Clinical accuracy of abnormal cell-free DNA screening results for the sex chromosomes”. Poster at the Society for Maternal-Fetal Medicine 36th Annual Meeting, Atlanta, GA
- 2015 **Rao, R.** Han,C. Platt, L. Silverman, N. Utility of first trimester ultrasound in the setting of NIPT incorporation into practice: A retrospective interim review. Oral Presentation at 25th World Congress on Ultrasound in Obstetrics and Gynecology. Montreal, Canada
- 2015 **Rao, R.** Han,C. Platt, L. Silverman, N. Utility of first trimester ultrasound in the setting of NIPT incorporation into practice. Poster at 35th Annual Meeting of the Society for Fetal Medicine, San Diego
- 2014 **Rao, R.** Sen, S. Chaudhuri, G. Sivakumar, R, Bing, H. Inflammation and Hyperglycemia In pregnancy: Using HUVEC to demonstrate functional changes of metabolism in endothelial cells. Poster at 34th Annual Meeting of the Society for Maternal Fetal Medicine, New Orleans Louisiana.
- 2013 **Rao, R.,** Sen, S, Chaudhuri, G. Glucose Metabolic Pathway and ROS Production in Endothelial Dysfunction Induced by TNF-Alpha. Poster at 60th Annual Meeting of the Society of Gynecologic Investigation, Orlando Florida.
- 2013 **Rao, R.** Sen, S. Potential Inflammatory Changes in Endothelial Cells. HUVEC as a model for studying preeclampsia. Oral Presentation. Distinguished Lectures Series. Department of Obstetrics and Gynecology; University of California, Los Angeles.
- 2010 **Rao, R.,** Pudney, J, Ayehounie, S, Anderson, D. Interferon Type I Expression in Response to HSV Infection in an Organotypic Model of Human Vaginal Epithelium. Poster at 57th Annual Meeting of the Society for Gynecologic Investigation, Orlando Florida.

TALKS

- 2016 Speaker: Maternal mental health and high-risk obstetric complications. LA Health Care Conference on Maternal Mental Health. California, October 15, 2016

RESEARCH EXPERIENCE

- 2014-Present University of California, Los Angeles. Department of Obstetrics and Gynecology.
Mentor: Deborah Krakow, M.D.
- Osteogenesis Imperfecta Longitudinal Study
Brittle Bone Disorders. Rare Diseases Clinical Research Network. [NIH RDCRN Grant]
 - Metacarpal to Phalange Ratio: A marker for brachydactyly
- 2014-Present Center for Fetal Medicine. Mentors: Lawrence D. Platt, Christina Han, Neil Silverman
- Utility of first trimester ultrasound in the setting of cell free DNA incorporation into current clinical practice
 - Clinical accuracy of abnormal autosomal cell free DNA screening
 - Longitudinal study of travel exposure to Zika virus in pregnant women
- 2012-Present University of California, Los Angeles, Department of Obstetrics and Gynecology.
Mentor: Gautam Chaudhuri, M.D., Ph.D.
- Glucose Metabolic Pathway and ROS Production in Endothelial Dysfunction Induced by TNF-Alpha
 - Mitochondrial respiratory changes in endothelial cells and its relationship with preeclampsia
- 2005-2010 Boston University School of Medicine Department of Obstetrics and Gynecology
Primary Investigator: Deborah J. Anderson, Ph.D.
- Interferon Alpha, Beta, and Gamma in ectocervical, endocervical, and vaginal epithelium from both human subjects as well as constructed vaginal (Maytek) epithelium.
- 2002-2004 Boston Medical Center, Women's Research Unit
Mentor: Tracy Battaglia, M.D., MPH.
- 'Comparison of Risk Perception of Breast Cancer Among African-American and Caucasian Women: How Big a Role Does Culture/Ethnicity Play?'
- 1999-2001 University of California, Los Angeles. Department of Obstetrics and Gynecology.
Preceptor: Gautam Chaudhuri M.D., Ph.D.
- The role of estrogen in atherogenesis: evaluation of lipid levels and atheromatous plaques in orchidectomized rabbits
 - Effects of nitric oxide on apoptosis of breast cancer cells.

LEADERSHIP

- 2013-2014 Administrative Chief Resident UCLA, UCLA Department of Ob/Gyn
- 2012-2014 Care Connect Resident Champion, Care Connect. Electronic Medical Record Institution at University of California, Los Angeles
- 2005-2006 Teaching Fellow: Medical Physiology, Boston University School of Medicine
- 2005-2006 Co-Chair American College of Obstetrics & Gynecology, Student Interest Group
- 2006 Volunteer: Tar Wars. Health education for elementary school children, Boston
- 2006-2011 Co-Founder: Team Vinay, Marrow Registry Recruiter. National Marrow Donor Program
- 2002-2004 Volunteer: Outreach Van Project, Medical assistance to the homeless population of Boston, Boston University School of Medicine
- 2000-2002 Co-Founder: Sigma Delta Sigma. Founding mother of a community service sorority at University of California, Los Angeles

LANGUAGES

Conversational Spanish
Fluent in Kanada and Tulu (Indian dialects)