

# Stanford

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## Usha Chitkara

Professor of Obstetrics and Gynecology at the Stanford University Medical Center,  
Emerita

Obstetrics & Gynecology

### Bio

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#### ACADEMIC APPOINTMENTS

- Emeritus Faculty - University Medical Line, Obstetrics & Gynecology

#### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Rh disease, other red cell isoimmunization, e.g. Kell, etc.

I.T.P. and alloimmune thrombocytopenia

Multiple pregnancy (twins, triplets, etc.) and associated problems and procedures

Ultrasound referrals -- complicated and routine

Procedures -- cordocentesis, intrauterine transfusion; selective termination or reduction in multiple pregnancy.

### Publications

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#### PUBLICATIONS

- **Analysis of the Size Distributions of Fetal and Maternal Cell-Free DNA by Paired-End Sequencing** *CLINICAL CHEMISTRY*  
Fan, H. C., Blumenfeld, Y. J., Chitkara, U., Hudgins, L., Quake, S. R.  
2010; 56 (8): 1279-1286
- **Maintenance Nifedipine Tocolysis Compared With Placebo A Randomized Controlled Trial** *28th Annual Meeting of the Society-for-Maternal-Fetal-Medicine*  
Lyell, D. J., Pullen, K. M., Mannan, J., Chitkara, U., Druzin, M. L., Caughey, A. B., El-Sayed, Y. Y.  
LIPPINCOTT WILLIAMS & WILKINS.2008: 1221-26
- **Noninvasive diagnosis of fetal aneuploidy by shotgun sequencing DNA from maternal blood** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Fan, H. C., Blumenfeld, Y. J., Chitkara, U., Hudgins, L., Quake, S. R.  
2008; 105 (42): 16266-16271
- **Prenatal diagnosis of placenta accreta - Sonography or magnetic resonance imaging?** *JOURNAL OF ULTRASOUND IN MEDICINE*  
Dwyer, B. K., Belogolovkin, V., Tran, L., Rao, A., Carroll, I., Barth, R., Chitkara, U.  
2008; 27 (9): 1275-1281

- **Magnesium sulfate compared with nifedipine for acute tocolysis of preterm labor - A randomized controlled trial** *26th Annual Meeting of the Society-for-Maternal-Fetal-Medicine*  
Lyell, D. J., Pullen, K., Campbell, L., Ching, S., Druzin, M. L., Chitkara, U., Burrs, D., Caughey, A. B., El-Sayed, Y. Y.  
LIPPINCOTT WILLIAMS & WILKINS.2007: 61–67
- **Subclavian vein thrombosis following IVF and ovarian hyperstimulation: a case report** *HUMAN REPRODUCTION*  
Rao, A. K., Chitkara, U., Milki, A. A.  
2005; 20 (12): 3307-3312
- **A randomized trial of amnioreduction versus septostomy in the treatment of twin-twin transfusion syndrome** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*  
Moise, K. J., Dorman, K., Lamvu, G., Saade, G. R., Fisk, N. M., Dickinson, J. E., Wilson, R. D., Gagnon, A., Belfort, M. A., O'Shaughnessy, R. O., Chitkara, U., Hassan, S. S., Johnson, et al  
2005; 193 (3): 701-707
- **Detection of sonographic markers of fetal aneuploidy depends on maternal and fetal characteristics** *10th Congress of the World-Federation-for-Ultrasound-in-Medicine-and-Biology*  
Taslimi, M. M., Acosta, R., Chueh, J., Hudgins, L., Hunter, K., Druzin, M. L., Chitkara, U.  
AMER INST ULTRASOUND MEDICINE.2005: 811–15
- **Randomized comparison of intravenous nitroglycerin and subcutaneous terbutaline for external cephalic version under tocolysis** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*  
El-Sayed, Y. Y., Pullen, K., Riley, E. T., Lyell, D., Druzin, M. L., Cohen, S. E., Chitkara, U.  
2004; 191 (6): 2051-2055
- **Fetal renal growth as assessed through renal parenchymal area derived from prenatal and perinatal ultrasonography** *JOURNAL OF UROLOGY*  
Kennedy, W. A., Chitkara, U., Abidari, J. M., Shortliffe, L. M.  
2003; 169 (1): 298-302
- **Central nervous system lupus and pregnancy: 11-year experience at a single center.** *journal of maternal-fetal & neonatal medicine*  
El-Sayed, Y. Y., Lu, E. J., Genovese, M. C., Lambert, R. E., Chitkara, U., Druzin, M. L.  
2002; 12 (2): 99-103
- **Pregnancy complicated by severe osteogenesis imperfecta: A report of two cases** *ANESTHESIA AND ANALGESIA*  
Vogel, T. M., Ratner, E. F., Thomas, R. C., Chitkara, U.  
2002; 94 (5): 1315-1317
- **Fetal ear length measurement: a useful predictor of aneuploidy?** *ULTRASOUND IN OBSTETRICS & GYNECOLOGY*  
Chitkara, U., Lee, L., Oehlert, J. W., Bloch, D. A., Holbrook, R. H., El-Sayed, Y. Y., Druzin, M. L.  
2002; 19 (2): 131-135
- **Concurrent IVF and spontaneous conception resulting in a quadruplet pregnancy** *HUMAN REPRODUCTION*  
Milki, A. A., Hinckley, M. D., GRUMET, F. C., Chitkara, U.  
2001; 16 (11): 2324-2326
- **Decreased amniotic fluid index in low-risk pregnancy** *JOURNAL OF REPRODUCTIVE MEDICINE*  
Kreiser, D., El-Sayed, Y. Y., Sorem, K. A., Chitkara, U., Holbrook, R. H., Druzin, M. L.  
2001; 46 (8): 743-746
- **Ultrasonographic ear length measurement in normal second-and third-trimester fetuses** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*  
Chitkara, U., Lee, L., El-Sayed, Y. Y., Holbrook, R. H., Bloch, D. K., Oehlert, J. W., Druzin, M. L.  
2000; 183 (1): 230-234
- **Pelvic arterial embolization for control of obstetric hemorrhage: A five-year experience** *66th Annual Meeting of the Central-Association-of-Obstetricians-and-Gynecologists*  
Hansch, E., Chitkara, U., McAlpine, J., El-Sayed, Y., Dake, M. D., Razavi, M. K.  
MOSBY-ELSEVIER.1999: 1454–60
- **Randomized comparison of intravenous nitroglycerin and magnesium sulfate for treatment of preterm labor** *OBSTETRICS AND GYNECOLOGY*  
El-Sayed, Y. Y., Riley, E. T., Holbrook, R. H., Cohen, S. E., Chitkara, U., Druzin, M. L.

1999; 93 (1): 79-83

● **Diltiazem for maintenance tocolysis of preterm labor: comparison to nifedipine in a randomized trial.** *The Journal of maternal-fetal medicine*

El-Sayed, Y. Y., Holbrook, R. H., Gibson, R., Chitkara, U., Druzin, M. L., Baba, D.  
1998; 7 (5): 217-221

● **Medical management of interstitial ectopic pregnancy: a case report and literature review** *HUMAN REPRODUCTION*

Fisch, J. D., Ortiz, B. H., Tazuke, S. I., Chitkara, U., Giudice, L. C.  
1998; 13 (7): 1981-1986

● **Gestational age-dependent expression of insulin-like growth factor-binding protein-1 (IGFBP-1) phosphoisoforms in human extraembryonic cavities, maternal serum, and decidua suggests decidua as the primary source of IGFBP-1 in these fluids during early pregnancy** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*

Martina, N. A., Kim, E., Chitkara, U., Wathen, N. C., Chard, T., Giudice, L. C.  
1997; 82 (6): 1894-1898

● **The OOPS procedure (operation on placental support): In utero airway management of the fetus with prenatally diagnosed tracheal obstruction** *27th Annual Meeting of the Canadian Association of Paediatric Surgeons*

Skarsgard, E. D., Chitkara, U., Krane, E. J., Riley, E. T., Halamek, L. P., Dedo, H. H.  
W B SAUNDERS CO. 1996: 826-28

● **MATERNAL RENAL-ARTERY DOPPLER VELOCIMETRY IN NORMOTENSIVE PREGNANCIES AND PREGNANCIES COMPLICATED BY HYPERTENSIVE DISORDERS** *OBSTetrics AND GYNECOLOGY*

Levine, A. B., Lockwood, C. J., Chitkara, U., Berkowitz, R. L.  
1992; 79 (2): 264-267

● **Antenatal treatment of alloimmune thrombocytopenia** *Obstet Gynecol*

Chitkara U, Lynch L, Bussel JB, McFarland JG, Berkowitz RL  
1992

● **EVALUATION OF EARLY 3RD-TRIMESTER ULTRASOUND SCREENING FOR INTRAUTERINE GROWTH-RETARDATION** *JOURNAL OF ULTRASOUND IN MEDICINE*

Skovron, M. L., Berkowitz, G. S., Lapinski, R. H., Kim, J. M., Chitkara, U.  
1991; 10 (3): 153-159

● **INTRAUTERINE INTRAVASCULAR TRANSFUSION FOR SEVERE ERYTHROBLASTOSIS-FETALIS - HOW MUCH TO TRANSFUSE** *OBSTetrics AND GYNECOLOGY*

PLECAS, D. V., Chitkara, U., Berkowitz, G. S., Lapinski, R. H., Alvarez, M., Berkowitz, R. L.  
1990; 75 (6): 965-969

● **1ST-TRIMESTER TRANSABDOMINAL MULTIFETAL PREGNANCY REDUCTION - A REPORT OF 85 CASES** *OBSTetrics AND GYNECOLOGY*

Lynch, L., Berkowitz, R. L., Chitkara, U., Alvarez, M.  
1990; 75 (5): 735-738

● **High dose intravenous gamma globulin: Does it have a role in the treatment of severe erythroblastosis fetalis?** *Obstet Gynecol*

Chitkara U, Bussel J, Alvarez M, Lynch L, Meisel RL, Berkowitz RL  
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