

CURRICULUM VITAE

NAME: Richard L. Berkowitz, M.D.

Birth Date: July 28, 1940

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Birth Place: New York, N.Y.

CITIZENSHIP: American

BUSINESS PHONE: (212) 241-5681

BUSINESS ADDRESS: Department of Obstetrics, Gynecology
and Reproductive Science
The Mount Sinai Medical Center
One Gustave L. Levy Place
New York, N.Y. 10029

EDUCATION AND TRAINING

UNDERGRADUATE

1957-1961 Cornell University B.A., 1961 Philosophy Major
Ithaca, N.Y.

GRADUATE

1961-1965 New York University M.D., 1965
School of Medicine,
New York, N.Y.

1971-1972 Johns Hopkins University M.P.H., 1972 Population Dynamics
School of Hygiene and and International Health
Public Health,
Baltimore, M.D.

POSTGRADUATE

1965-1966 Kings County Medical Center Ludwig Eichna, M.D., Chairman
Brooklyn, N.Y. Department of Medicine
Straight Medical Internship

1968-1971 New York Hospital- Fritz Fuchs, M.D., Chairman
Cornell University Medical Center Department of Obstetrics and
New York, N.Y. Gynecology
Residency in Obstetrics and
Gynecology

APPOINTMENTS AND POSITIONS

ACADEMIC

1974-1979	Yale University School of Medicine New Haven, CT	Assistant Professor of Obstetrics, Gynecology and Public Health
1979-1982	Yale University School of Medicine New Haven, CT	Associate Professor of Obstetrics, Gynecology and Public Health
1982-Pres	Mount Sinai School of Medicine New York, N.Y.	Professor of Obstetrics and Gynecology

NON-ACADEMIC

1966-1968	U.S. Public Health Service Mauritania and Nigeria, West Africa	Peace Corps Physician
1972-1974	Family Planning International Assistance - Kenya and Ethiopia	Field Survey and Program Development
	Oxfam - Tanzania	MCH Program Evaluation
	Chogoria Hospital - Kenya	Obstetrician/Gynecologist and General Surgeon
1974-1982	New Haven Chapter of Planned Parenthood League New Haven, CT	Medical Director
1979-1982	Yale-New Haven Hospital New Haven, CT	Director, High Risk Obstetrical Service
1982-1994 1996-2000	Mount Sinai Medical Center New York, N.Y.	Director, Obstetrics and Division of Maternal-Fetal Medicine
1983-1991	Mount Sinai Medical Center New York, N.Y.	Director, Maternal-Fetal Medicine Fellowship
1985-1993	Mount Sinai Medical Center New York, N.Y.	Director, Obstetrics and Gynecology Residency Program
1985-Pres	Mount Sinai Medical Center New York, N.Y.	Chairman, Department of Obstetrics, Gynecology and Reproductive Science

SPECIALTY AND SUBSPECIALTY CERTIFICATION:

1974 Diplomat, American Board of Obstetrics and Gynecology
1979 Diplomat, American Board of Obstetrics and Gynecology
Division of Maternal-Fetal Medicine
1989 Recertified, American Board of Obstetrics and Gynecology
1999 Recertified, American Board of Obstetrics and Gynecology
and In the Division of Maternal-Fetal Medicine

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

Fellow, American College of Obstetricians and Gynecologists
Technical Bulletin Committee (1987-1990)
Society for Gynecological Investigation
Sigma Xi
Society of Perinatal Obstetricians:
Board of Directors (1980-1983)
American Institute of Ultrasound in Medicine:
Member (1979-1984)
Senior Member (1984-1987)
Fellow (1987-Present)
Bioeffects Committee (1981-1984)
Central Program Committee (1984-1986)
New York Obstetrical Society
Assistant Secretary (1995-1996)
Secretary (1996-1998)
Second Vice President (1998-1999)
President Elect (1999-2000)
President (2000-2001)
American Board of Obstetrics and Gynecology
General Board Examiner (1985 - Present)
MFM Board Examiner (1995 - Present)
American Society of Human Genetics
American Gynecological and Obstetrical Society
Council Member (1993 - 1995)
International Society of Ultrasound in Obstetrics and Gynecology - Founder, Member
The Harvey Society

EDITORIAL BOARDS

Prenatal Diagnosis (1984-Present)
Fetal Therapy (1985-Present)
Obstetrics and Gynecology (1988-1991)
Israel Journal of Obstetrics and Gynecology (1989-present)
Prenatal and Neonatal Medicine (1995-2000)

HONORS

- 1980 Nathan G. Kase Award, Department of Obstetrics and Gynecology,
Yale University School of Medicine
- 1984 James Platt White Memorial Award,
Buffalo Gynecologic and Obstetric Society
Buffalo, N.Y.
- 1985 First Annual Memorial Chief Pro Tempore Lecturer
Women and Infants Hospital of Rhode Island
Brown University School of Medicine
- 1988 Alumni Society Visiting Professor
University of Iowa
- 1988 Annual Liley Lecturer
Perinatal Research Society
San Diego, California
- 1989 March of Dimes Visiting Professor
Southern California Chapter
- 1990 Third Annual Harry Fields Memorial Visiting Professor
University of Pennsylvania
- 1991 Thirteenth Annual Rose and Wilford Cohen Visiting Professor
North Shore University Hospital
- 1992 Seventh Annual Visiting Professor, New England Obstetrical and Gynecological
Society, Dublin Ireland
- 1993 Annual Silas Starr Lecturer
University of Louisville
- 1994 Resident Research Day Visiting Professor
University of South Florida
- 1995 Invited Faculty, Fiftieth Annual Meeting of Obstetrics and Gynecology Assembly
of Southern California
- 1995 First Annual Edith Potter Memorial Lecturer, Annual Clinical Meeting,
American College of Obstetricians and Gynecologists, San Francisco,
California
- 1998 Feld Memorial Lecturer. Sinai Hospital. Detroit Medical Center. Detroit,
Michigan

PUBLICATIONS

REFEREED ARTICLES

1. Steinberg CR, Berkowitz RL, Roberts RB, Merkatz IR: Fever and bacteremia associated with hypertonic saline abortion - a retrospective and prospective study. *Obstet Gynecol* 39:673, 1972.
2. Berkowitz RL, Bonta BW, Warshaw JB: The relationship between premature rupture of the membrane and the respiratory distress syndrome. *Am J Obstet Gynecol* 124:712, 1976.
3. Elias S, Berkowitz RL: The Marfan syndrome and pregnancy. *Obstet Gynecol* 47:358, 1976.
4. Berkowitz RL: Massive ovarian enlargement in an obese patient. *Obstet Gynecol* 48:483, 1976.
5. Gohari P, Berkowitz RL, Hobbins JC: Prediction of intrauterine growth retardation by determination of total intrauterine volume. *Am J Obstet Gynecol* 127:255, 1977.
6. Berkowitz RL, Hobbins JC: A reevaluation of the value of hCS determination in the management of prolonged pregnancy. *Obstet Gynecol* 49:156, 1977.
7. Warsof SL, Gohari P, Berkowitz RL, Hobbins JC: Estimation of fetal weight by computer assisted analysis of fetal dimensions. *Am J Obstet Gynecol* 128:881, 1977.
8. Hobbins JC, Berkowitz RL: Hypertension in pregnancy: The use of ultrasound. *Yale J Biol Med* 50:327, 1977.
9. Berkowitz RL, Kantor RD, Beck GKJ, Warshaw JB: The relationship between premature rupture of the membranes and the respiratory distress syndrome - an updated plan of management. *Am J Obstet Gynecol* 131:503, 1978.
10. Gohari P, Hobbins JC, Berkowitz RL: Use of hPL in the diagnosis of intrauterine growth retardation. *Obstet Gynecol* 52:127, 1978.
11. Hobbins JC, Berkowitz RL, Grannum PAT: Diagnosis and antepartum management of intrauterine growth retardation. *J Reprod Med* 21:319, 1978.
12. Hobbins JC, Grannum PAT, Berkowitz RL, Silverman R, Mahoney MJ: Use of ultrasound in diagnosing congenital anomalies. *Am J Obstet Gynecol* 134:331, 1979.
13. Grannum PAT, Berkowitz RL, Hobbins JC: The ultrasonic changes in the maturing placenta and their relation to fetal pulmonic maturity. *Am J Obstet Gynecol* 133:915, 1979.

14. Berkowitz RL: Ultrasound in the antenatal management of multiple gestations. Clin Diag Ultrasound 3:69, 1979.
15. Friedman A, Haseltine F, Berkowitz RL: Pregnancy in a patient with cystic fibrosis and idiopathic thrombocytopenic purpura. Obstet Gynecol 55:511, 1980.
16. DeVore GR, Berkowitz RL: The amylase/creatinine clearance ratio in normal pregnancy and pregnancies complicated by pancreatitis, hyperemesis gravidarum and toxemia. Am J Obstet Gynecol 136:747, 1980.
17. Berkowitz RL, Rafferty TD: Pulmonary artery flow-directed catheter use in the obstetrical patient. Obstet Gynecol 55:507, 1980.
18. Fine EA, Braken M, Berkowitz RL: An evaluation of the usefulness of x-ray pelvimetry: Comparison of the Thoms and modified Ball methods with manual pelvimetry. Am J Obstet Gynecol 137:15, 1980.
19. Berkowitz RL, Rafferty TD: Invasive hemodynamic monitoring in critically ill pregnant patients: Role of Swan-Ganz catheterization. Am J Obstet Gynecol 137:127, 1980.
20. Coustan DR, Berkowitz RL, Hobbins JC: Tight metabolic control of overt diabetes in pregnancy. Am J Med 68:845, 1980.
21. Rafferty TD, Berkowitz RL: Complications of pulmonary artery catheterization in obstetrical patients: An analysis of twenty-one cases. IJGO 18:2, 1980.
22. Pais SO, Glickman M, Schwartz P, Pingoud E, Berkowitz RL: Embolization of pelvic arteries for control of postpartum hemorrhage. Am J Obstet Gynecol 55:754, 1980.
23. Rafferty TD, Berkowitz RL: Hemodynamics in patients with severe toxemia during labor and delivery. Am J Obstet Gynecol 138:263, 1980.
24. Berkowitz RL, Hobbins JC: Intrauterine transfusion utilizing ultrasound - a 3 1/2 year experience. Obstet Gynecol 57:33, 1981.
25. Wender DF, Kandal C, Leppert PC, Berkowitz RL: Hyaline membrane disease in twin B following premature prolonged rupture of membrane in twin A. Connecticut Med 45:2, 1981.
26. DeVore GR, Mayden K, Tortora M, Berkowitz RL, Hobbins JC: Dilation of the fetal umbilical vein in Rhesus hemolytic anemia - a predictor of severe disease. Am J Obstet Gynecol 141:464, 1981.
27. Shepard MJ, Richards VM, Berkowitz RL, Warsof S, Hobbins JC: An evaluation of two equations for predicting fetal weight by ultrasound. Am J Obstet Gynecol 142:47, 1982.

28. Berkowitz RL, Beyth Y, Sadowsky E: Death in utero due to Kell-sensitization without excessive elevation of ΔOD_{450} value in amniotic fluid. *Obstet Gynecol* 60:746, 1982.
29. Kleinman CS, Talner NS, Jaffe CC, Berkowitz RL, Lynch DC, Hobbins JC: Fetal echocardiographic evaluation of nonimmune hydrops. *N Engl J Med* 306:568, 1982.
30. Chervenak FA, Romero R, Berkowitz RL, Mahoney MJ, Tortora M, Mayden K, Hobbins JC: Antenatal sonographic findings of osteogenesis imperfecta. *Am J Obstet Gynecol* 143:228, 1982.
31. Romero R, Chervenak FA, Coustan D, Berkowitz RL, Hobbins JC: Antenatal sonographic diagnosis of umbilical cord laceration. *Am J Obstet Gynecol* 143:719, 1982.
32. Romero R, Chervenak FA, Kotzen J, Berkowitz RL, Hobbins JC: Antenatal sonographic findings of extralobar pulmonary sequestration. *J Ultrasound Med* 1:131, 1982.
33. Berkowitz RL, Hoder EL, Freedman RM, Scott DT, Maltzer MC: Results of a management protocol for premature rupture of the membranes. *Obstet Gynecol* 60:271, 1982.
34. Berkowitz RL, Glickman MG, Smith GJW, Siegel NJ, Weiss RM, Mahoney MJ, Hobbins J: Fetal urinary tract obstruction: What is the role of surgical intervention in utero? *Am J Obstet Gynecol* 144:367, 1982.
35. Romero R, Chervenak FA, Berkowitz RL, Hobbins JC: Intrauterine fetal tachypnea. *Am J Obstet Gynecol* 144:356, 1982.
36. Mayden KL, Tortora M, Berkowitz RL, Braken M, Hobbins JC: Orbital diameters: A new parameter for prenatal diagnosis and dating. *Am J Obstet Gynecol* 144:289, 1982.
37. Berkowitz GS, Holford TR, Berkowitz RL: Effects of cigarette smoking, alcohol, coffee and tea consumption on preterm delivery. *Early Human Dev.* 7:239, 1982
38. Berkowitz GS, Kelsey JL, Holford TR, Berkowitz RL: Physical activity and the risk of spontaneous preterm delivery. *J of Reprod Med.* 28:581, 1983.
39. Chervenak FA, Johnson RE, Berkowitz RL, Hobbins JC: Intrapartum external version of the second twin. *Obstet Gynecol* 62:160, 1983.
40. Chervenak FA, Berkowitz RL: Successful external cephalic version in a massively obese patient. *Obstet Gynecol* 62:85, 1983.

41. Chervenak FA, Berkowitz RL, Romero R, Tortora M, Mayden K, Duncan C, Mahoney MJ, Hobbins JC: The diagnosis of fetal hydrocephalus. *Am J Obstet Gynecol* 147:703, 1983.
42. Chervenak FA, Johnson RE, Berkowitz RL, Grannum P, Hobbins JC: Is routine cesarean section necessary for vertex-breech and vertex-transverse twin gestations? *Am J Obstet Gynecol* 148:1, 1984.
43. Chervenak FA, Isaacson G, Blakemore KJ, Breg WR, Hobbins JC, Berkowitz RL, Tortora M, Mayden K, Mahoney MJ: Fetal cystic hygroma: etiology and natural history. *N Engl J Med* 309:822, 1983.
44. Romero R, Duffy TP, Berkowitz RL, Chang E, Hobbins JC: Prolongation of a preterm pregnancy complicated by death of a single twin in utero and disseminated intravascular coagulation: Effects of treatment with heparin. *N Engl J Med* 310:772, 1984.
45. Hobbins JC, Romero R, Grannum P, Berkowitz RL, Cullen M, Mahoney M: Antenatal diagnosis of renal anomalies with ultrasound. I. Obstructive uropathy. *Am J Obstet Gynecol* 148:868, 1984.
46. Chervenak FA, Isaacson G, Mahoney MJ, Berkowitz RL, Tortora M, Hobbins JC: The diagnosis and management of fetal cephalocele. *Obstet Gynecol* 64:86, 1984.
47. Chervenak FA, Youcha S, Johnson RE, Berkowitz RL, Hobbins JC: Antenatal diagnosis and perinatal outcome in a series of 385 consecutive twin pregnancies. *J Reprod Med* 29:727, 1984.
48. Chervenak FA, Duncan C, Ment L, Hobbins JC, McClure M, Scott D, Berkowitz RL: Outcome of fetal ventriculomegaly. *Lancet* ii:179, 1984.
49. Kourides IA, Berkowitz RL, Pang S, Van Natta FC, Barone CM, Ginsberg-Fellner F: Antepartum diagnosis of goitrous hypothyroidism by fetal ultrasonography and amniotic fluid thyrotropin concentration. *J. Clin Endocrinol Metab* 59:1016, 1984.
50. Chervenak FA, Jeanty P, Cantraine F, Chitkara U, Venus I, Berkowitz RL, Hobbins JC: The diagnosis of fetal microcephaly. *Am J Obstet Gynecol* 149:512, 1984.
51. Chervenak FA, Lee Y, Hendler MA, Monoson RF, Berkowitz RL: The role of attempted vaginal delivery in the management of placenta previa. *Obstet Gynecol* 64:798, 1984.
52. Chervenak FA, Romero R, Berkowitz RL, Scott D, Tortora M, Hobbins JC: The use of sonographic estimated fetal weight in the prediction of intrauterine growth retardation. *Am J Perinatol* 1:298, 1984.
53. Chervenak FA, Berkowitz RL, Tortora M, Chitkara U, Hobbins JC: The diagnosis of ventriculomegaly before fetal viability. *Obstet Gynecol* 64:652, 1984.

54. Furlong RM, Berkowitz RL: Intrauterine treatment: Meeting the psychosocial needs of the family. *Health and Soc. Work* 10:55, 1985.
55. Chervenak FA, Johnson RE, Youcha S, Hobbins JC, Berkowitz RL: Intrapartum management of twin gestation. *Obstet Gynecol* 65:119, 1985.
56. Chitkara U, Berkowitz GS, Levine R, Riden DJ, Fagerstrom RM, Chervenak FA, Berkowitz RL: Twin pregnancy: Routine use of ultrasound examinations in the prenatal diagnosis of intrauterine growth retardation and discordant growth. *Am J Perinatol* 2:49, 1985.
57. Chervenak FA, Berkowitz GS, Thornton J, Kreiss C, Youcha S, Ehrenkranz RA, Hobbins JC, Berkowitz RL: A comparison of sonographic estimation of fetal weight and obstetrically determined gestational age in prediction of neonatal outcome for the very low-birth weight fetus. *Am J Obstet Gynecol* 152:47, 1985.
58. Chervenak FA, Isaacson G, Hobbins JC, Chitkara U, Tortora M, Berkowitz RL: Diagnosis and management of fetal holoprosencephaly. *Obstet Gynecol* 66:322, 1985.
59. Romero R, Jeanty P, Reece EA, Grannum P, Bracken M, Berkowitz RL, Hobbins JC: Sonographically monitored amniocentesis to decrease intraoperative complications. *Obstet Gynecol* 65:426, 1985.
60. Chervenak FA, Berkowitz RL, Tortora M, Hobbins JC: The management of fetal hydrocephalus. *Am J Obstet Gynecol* 151:933, 1985.
61. Chervenak FA, Isaacson G, Touloukian R, Tortora M, Berkowitz RL, Hobbins J: Diagnosis and management of fetal teratomas. *Obstet Gynecol* 66:666, 1985.
62. Abramson A, Chitkara U, Berkowitz RL: A technique for mid-trimester termination of pregnancies with severe oligohydramnios. *J Ultrasound Med* 4:551, 1985.
63. Barone CM, Van Natta FC, Kourides IA, Berkowitz RL: Sonographic detection of fetal goiter, an unusual cause of hydramnios. *J Ultrasound Med* 4:625, 1985.
64. Chervenak FA, Dorfman SF, Hoder AR, Ehrenkranz RA, Bowers C, Furlong R, Berkowitz RL, Hobbins JC: The need for routine sonography prior to late abortion. *NY State J Med* 85:4, 1985.
65. Berkowitz RL, Chitkara U, Goldberg JD, Wilkins I, Chervenak FA: Intravascular transfusion in utero: the percutaneous approach. *Am J Obstet Gynecol* 154:622, 1986.
66. Goldberg JD, Chervenak FA, Lipman RA, Berkowitz RL: Antenatal sonographic diagnosis of arthrogyposis multiplex congenita. *Prenatal Diag* 6:45, 1986.

67. Wilkins I, Goldberg JD, Phillips R, Bacall C, Chervenak FA, Berkowitz RL: The long term use of magnesium sulfate as a tocolytic agent. *Obstet Gynecol* 67:38s, 1986.
68. Goldberg JD, Mitty H, Dische MR, Berkowitz RL: Prenatal shunting of fetal ascites in nonimmune hydrops fetalis. *Am J Perinatol* 3:92, 1986.
69. Chervenak FA, Goldberg JD, Chiu TS, Gilbert F, Berkowitz RL: The importance of karyotype determination in a fetus with ventriculomegaly and spina bifida discovered during the third trimester. *J Ultrasound Med* 5:405, 1986.
70. Goldberg JD, Franklin B, Lasser D, Jornsay DL, Hausknecht RU, Ginsberg-Fellner F, Berkowitz RL: Gestational diabetes: Impact of home glucose monitoring on neonatal birthweight. *Am J Obstet Gynecol* 154:546, 1986.
71. Rosenberg JC, Chervenak FA, Walker BA, Chitkara U, Berkowitz RL: Antenatal sonographic appearance of omphalomesenteric duct cyst. *J Ultrasound Med* 5:719, 1986.
72. Berkowitz RL, Chitkara U, Goldberg JD, Wilkins I, Chervenak FA, Lynch L: Intrauterine intravascular transfusions for severe red blood cell isoimmunization: Ultrasound guided percutaneous approach. *Am J Obstet Gynecol* 155:574, 1986.
73. Bello GV, Schonholz D, Moshirpur J, Jeng D-Y, Berkowitz RL: Combined pregnancy: The Mount Sinai Experience. *Obstet Gynecol Surv* 41:603, 1986.
74. Shah KD, Chervenak FA, Marchevsky AM, Rosenberg JG, Berkowitz RL: Fetal giant hemangiolymphangioma: Report of a case. *Am J Perinatol* 4:212, 1987.
75. Chitkara U, Rosenberg J, Chervenak FA, Berkowitz GS, Levine R, Fagerstrom RM, Walker B, Berkowitz RL: Prenatal sonographic assessment of the fetal thorax: Normal values. *Am J Obstet Gynecol* 156:1069, 1987.
76. Berkowitz RL, Chitkara U, Wilkins I, Lynch L, Mehalek KE: Technical aspects of intravascular intrauterine transfusions: Lessons learned from 33 procedures. *Am J Obstet Gynecol* 157:4, 1987.
77. Tsiouras P, Schwartz RC, Goldberg JD, Berkowitz RL, Ramirez A: Prenatal prediction of osteogenesis imperfecta (OI type IV): Exclusion of inheritance using a collagen gene probe. *J Med Genetics* 24:406, 1987.
78. Wilkins I, Chitkara U, Lynch L, Goldberg JD, Mehalek KE, Berkowitz RL: The nonpredictive value of fetal urinary electrolytes: Preliminary report of outcomes and correlations with pathologic diagnosis. *Am J Obstet Gynecol* 157:694, 1987.

79. Berkowitz RL, Chitkara U, Wilkins IA, Lynch L, Plosker H, Bernstein HH: Intravascular Monitoring and Management of Erythroblastosis Fetalis. *Am J Obstet Gynecol* 158:783, 1988.
80. Lynch L, Bussel J, Goldberg JD, Chitkara U, Wilkins IA, MacFarland J, and Berkowitz RL: The In-Utero Diagnosis and Management of Alloimmune Thrombocytopenia. *Prenatal Diagnosis* 8:329, 1988.
81. Chitkara U, Cogswell C, Norton K, Wilkins IA, Mehalek KE, and Berkowitz RL: Choroid Plexus Cysts in the Fetus. A Benign Anatomic Variant or Pathologic Entity. Report of 41 cases and review of the literature. *Obstet Gynecol* 72:185,, 1988.
82. Chitkara U, Wilkins IA, Lynch L, Mehalek KE, Berkowitz RL: The Role of Sonography in Assessing Severity of Fetal Anemia in Rh - Kell Isoimmunized Pregnancies. *Obstet Gynecol* 71:393, 1988.
83. Berkowitz RL, Lynch L, Chitkara U, Wilkins IA, Mehalek KE, Alvarez M: Selective Reduction of Multifetal Pregnancies in the First Trimester. *N Engl J Med* 318:1043, 1988.
84. Wilkins IA, Lynch L, Mehalek KE, Berkowitz GS, Berkowitz RL: Efficacy and side effects of magnesium sulfate and ritodrine as tocolytic agents. *Am J Obstet Gynecol* 159:685, 1988.
85. Mehalek KE, Berkowitz GS, Chitkara U, Rosenberg J, Berkowitz RL: Comparison of continuous-wave and pulsed Doppler S/D ratios of umbilical and uterine arteries. *Obstet Gynecol* 72:603, 1988.
86. Berkowitz GS, Chitkara U, Rosenberg J, Cogswell C, Walker B, Lahman EA, Mehalek KE, Berkowitz RL: Sonographic estimation of fetal weight and doppler analysis of umbilical artery velocimetry in the prediction of intrauterine growth retardation: A prospective study. *Am J Obstet Gynecol* 158:1149, 1988.
87. Berkowitz GS, Mehalek KE, Chitkara U, Rosenberg J, Cogswell C, Berkowitz RL: Doppler umbilical velocimetry in the prediction of adverse outcome in pregnancies at risk for intrauterine growth retardation. *Obstet Gynecol* 71:743, 1988.
88. Bernstein HH, Chitkara U, Plosker H, Gettes M, Berkowitz RL: Use of atracurium besylate to arrest fetal activity during intrauterine procedures. *Obstet Gynecol* 72:813, 1988.
89. Bussel JB, Berkowitz RL, McFarland JG, Lynch L, Chitkara U: Antenatal Treatment of Neonatal Alloimmune Thrombocytopenia. *N Engl J Med* 319:1374, 1988.
90. Alter BP, Goldberg J, Berkowitz RL: Red Cell Size Heterogeneity during Ontogeny. *Am J Ped Hematol Oncol* 10(4):279, 1988.

91. Lynch L, Berkowitz RL: First trimester growth delay in trisomy 18. *Am J Perinatol* 6:234, 1989.
92. Mehalek KE, Rosenberg J, Berkowitz GS, Chitkara U, Berkowitz RL: Umbilical and uterine artery flow velocity waveforms: Effects of the sampling site on Doppler ratios. *J Ultrasound Med.* 8:171, 1989.
93. Lynch L, Berkowitz GS, Chitkara U, Wilkins IA, Mehalek KE, Berkowitz RL: Ultrasound detection of Down syndrome: Is it really possible? *Obstet Gynecol* 73:267, 1989.
94. Wilkins I, Mezrow G, Lynch L, Bottone EJ, Berkowitz RL: Amnionitis and life-threatening respiratory distress after percutaneous umbilical blood sampling. *Am J Obstet Gynecol* 160:427, 1989.
95. Sperling RS, Sacks HS, Joyner M, Berkowitz RL: Umbilical Cord Blood Serosurvey for Human Immunodeficiency Virus in Parturient Women in a Voluntary Hospital in New York City. *Obstet Gynecol* 73:179, 1989.
96. Chitkara U, Berkowitz RL, Wilkins IA, Lynch L, Mehalek KE, Alvarez M: Selective midtrimester termination of the anomalous fetus in twin pregnancies. *Obstet Gynecol* 73:690, 1989.
97. Bussel JB, McFarland JG, Berkowitz R: Antenatal treatment of fetal alloimmune-cytopenias. *Blut* 59:136, 1989.
98. Meisel RL, Alvarez M, Lynch L, Chitkara U, Emanuel D, Berkowitz RL: Fetal cytomegalovirus infection: A case report. *Am J Obstet Gynecol* 162:663, 1990.
99. Placas DV, Chitkara U, Berkowitz GS, Lapinski RH, Alvarez M, Berkowitz RL: Intrauterine intravascular transfusion for severe erythroblastosis fetalis: How much to transfuse? *Obstet Gynecol* 75:965, 1990.
100. Lynch L, Berkowitz RL, Chitkara U, Alvarez M: First trimester transabdominal multifetal pregnancy reduction: A report of 85 cases. *Obstet Gynecol* 75:735, 1990.
101. Berkowitz RL, Lynch L: Selective reduction: An unfortunate misnomer. *Obstet Gynecol* 75:873, 1990.
102. Berkowitz GS, Skovron ML, Lapinski RH, Berkowitz RL: Delayed childbearing and the outcome of pregnancy. *N Engl J Med.* 322:659, 1990.
103. Chitkara U, Bussel J, Alvarez M, Lynch L, Meisel RL, Berkowitz RL: High dose intravenous gammaglobulin: Does it have a role in the treatment of severe erythroblastosis fetalis? *Obstet Gynecol* 76:703, 1990.

104. Levine AB, Alvarez M, Wedgwood J, Berkowitz RL, Holzman I: Contemporary management of a potentially lethal fetal anomaly: A successful perinatal approach to epignathus. *Obstet Gynecol* 76:962, 1990.
105. Levine AB, Eddleman KA, Chitkara U, Wilner JP, Vosatka RJ, Berkowitz RL: Congenital myotonic dystrophy: An often unsuspected cause of severe polyhydramnios. *Prenat Diagn* 11:111, 1991.
106. Alvarez M, Lasker MR, Friedman F, Chitkara U, Berkowitz RL, Holzman IR: Sonographic findings in a twin with congenital fetal volvulus. *J Clin Ultrasound* 19:98, 1991.
107. Eddleman KA, Levine AB, Chitkara U, Berkowitz RL. Reliability of pleural fluid lymphocyte counts in the antenatal diagnosis of congenital chylothorax. *Obstet Gynecol* 78:530, 1991.
108. Lockwood CJ, Lynch L, Berkowitz RL.: Ultrasonographic screening for the the Down syndrome fetus. *Am J Obstet Gynecol* 165:349, 1991.
109. Lynch L, Daffos F, Emanuel D, Giovangrandi Y, Meisel R, Forestier F, Cathomas G, Berkowitz RL: Prenatal diagnosis of fetal cytomegalovirus infection. *Am J Obstet Gynecol* 165:714, 1991.
110. Berkowitz RL, Berkowitz GS: Invasive studies during normal pregnancy. *Obstet Gynecol* (Editorial) 75:1041, 1991.
111. Levine AB, Lockwood CJ, Brown B, Lapinski R, Berkowitz RL: Sonographic diagnosis of the large for gestational age fetus at term: Does it make a difference. *Obstet Gynecol* 79:55, 1992.
112. Eddleman KA, Lockwood CJ, Berkowitz GS, Lapinski RH, Berkowitz RL: The clinical significance and sonographic diagnosis of velamentous umbilical cord insertion. *Am J Perinatol* 9:123, 1992.
113. Radunovic N, Lockwood CJ, Alvarez M, Plecas D, Chitkara U, Berkowitz RL: The severely anemic and hydropic isoimmune fetus: Changes in fetal hematocrit associated with death in utero. *Obstet Gynecol* 79:390, 1992.
114. Lynch L, Bussel JB, McFarland JG, Chitkara U, Berkowitz RL. Antenatal treatment of alloimmune thrombocytopenia. *Obstet Gynecol* 80:67, 1992.
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