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**CURRICULUM VITAE
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EDUCATION

Undergraduate: Middlebury College, Middlebury, Vermont; BA, Biology, 1975

Medical School: John A. Burns School of Medicine, University of Hawaii, Honolulu, Hawaii; MD, 1982

POSTGRADUATE TRAINING

Residency: Obstetrics and Gynecology, University of Illinois at Chicago, 1982-1986

Fellowship: Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, Brown University/Women & Infants Hospital of Rhode Island, 1986-1988

POSTGRADUATE HONORS AND AWARDS

- 1985 Resident Teacher of the Year; University of Illinois at Chicago
- 1993 Excellence in Teaching; Brown University/Women and Infants Hospital
- 1994 Excellence in Teaching/Teacher of the Year; Brown University/Women and Infants Hospital
- 1995 Excellence in Teaching; Brown University/Women and Infants Hospital
- 1996 Excellence in Teaching; Brown University/Women and Infants Hospital
- 1997 Excellence in Teaching/Faculty Preceptor of the Year; Brown University/Women and Infants Hospital
- 1998 Excellence in Teaching/Full Time Faculty Teacher of the Year; Brown University / Women and Infants Hospital
- 1999 Excellence in Teaching/Full Time Faculty Teacher of the Year; Brown University / Women and Infants Hospital
- 2000 Excellence in Teaching/Full Time Faculty Teacher of the Year; Brown University / Women and Infants Hospital
- 2001 Excellence in Teaching/Full Time Faculty Teacher of the Year; Brown University / Women and Infants Hospital
- 2001 Dean's Teaching Excellence Award, Brown Medical School
- 2002 Excellence in Teaching/Full Time Faculty Teacher of the Year; Brown University / Women and Infants Hospital
- 2002 Dean's Teaching Excellence Award, Brown Medical School
- 2002 APGO Excellence-in-Teaching Award

- 2003 Excellence in Teaching/Full Time Faculty Teacher of the Year; Brown University / Women and Infants Hospital
- 2003 Dean's Teaching Excellence Award, Brown Medical School
- 2004 Excellence in Teaching / Full Time Faculty Teacher of the Year; Brown University / Women & Infants' Hospital
- 2004 APGO Excellence-in-Teaching Award
- 2004 Dean's Teaching Excellence Award, Brown Medical School
- 2005 Excellence in Teaching / Full Time Faculty Teacher of the Year; Brown University / Women & Infants' Hospital
- 2005 Dean's Teaching Excellence Award, Brown Medical School

MILITARY SERVICE:

Lieutenant Colonel, Medical Corps, USAFR (currently inactive)

PROFESSIONAL LICENSES AND BOARD CERTIFICATION:

Illinois License, Number 003-036-068544-1, 1984 (inactive)

Rhode Island License, Number CMD6865, 1986

Massachusetts License, Number 154386, 1998

Board Certification by ABOG in OB/GYN, 1989

Certificate of Special Competency from ABOG in Maternal-Fetal Medicine, 1990

Recertification in OB/GYN and Maternal-Fetal Medicine, February 1998

ACADEMIC APPOINTMENTS

Instructor in OB/GYN, University of Illinois at Chicago, 1985-1986

Assistant Instructor in OB/GYN, Brown University Program in Biology and Medicine, 1986-1988

Assistant Professor of OB/GYN, Brown University School of Medicine, 1988-1996

Associate Professor of OB/GYN, Brown University School of Medicine, 1996-present

HOSPITAL APPOINTMENTS

Fellow in Maternal-Fetal Medicine, Women and Infants Hospital of Rhode Island, 1986-1988

Specialist in Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, Brown

University/Women & Infants Hospital of Rhode Island Hospital, 1988-present

Director, Diabetes in Pregnancy Program, Women & Infants Hospital of Rhode Island, 1988-1995

Interim Director, Prenatal Diagnosis Center of Women and Infants Hospital, 1996-2001

Director, Prenatal Diagnosis Center and Fetal Diagnostic Imaging, 2001-present

OTHER APPOINTMENTS

Affiliated Faculty, Brown University Center for Alcohol and Addiction Studies

Birth Defects Surveillance Advisory Committee, State of Rhode Island Department of Health, 2001-present

Co-Director, Program in Fetal Medicine, Brown University

HOSPITAL COMMITTEES:

Obstetrical Review Committee (ex officio) 1987-1988

Institutional Review Board, Women & Infants Hospital of Rhode Island, 1990-present.
Chair 1990-1999; ViceChair 2005-present

Graduate Medical Education Committee, Women and Infants Hospital of Rhode Island, 1997-present

UNIVERSITY COMMITTEES

none

MEMBERSHIP IN SOCIETIES:

Fellow of American College of Obstetrics and Gynecology

Society of Maternal Fetal Medicine

International Fetal Medicine and Surgery Society

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS:

1. Carr SR, Coustan DR, Martelly P, Brosco F, Rotondo L: Precision of Reflectance Meters in Screening for Gestational Diabetes. Obstetrics and Gynecology 73:727, 1989

2. Coustan DR, Nelson C, Carpenter MW, **Carr SR**, Rotondo L, Widness J: Maternal age and screening for gestational diabetes: a population-based study. Obstetrics and Gynecology, 73:557, 1989.
3. **Carr SR**, Aaronson M, Coustan DR: Survival Rates of Monoamniotic twins do not decrease after 30 weeks gestational age. American Journal of Obstetrics and Gynecology, 163:719-722, 1990.
4. Zeanah CH, **Carr SR**, Wolk S: Fetal movement and the imagined baby of pregnancy: Are they related? J Reproductive and Infant Psychology, 8:23-36, 1990
5. **Carr SR**, Gilchrist J, Abuelo D, Clark D: Treatment of Antenatal Myasthenia Gravis. Obstetrics & Gynecology, 78:485-489, 1991
6. Wolk S, Zeanah CH, Garcia-Coll CT, **Carr SR**: Factors Affecting Parents' Perception of Temperament in Early Infancy. American Journal of Orthopsychiatry. 62:71-82, January 1992
7. Cowett RM, **Carr SR**, Ogburn PL: Lipid tolerance testing in pregnancy. Diabetes Care 16:52-56, January 1993
8. Saller DN, Dailey JV, Doyle DL, **Carr SR**, Canick JA, Rogers BB. Turner Syndrome associated with an omphalocele. Prenatal Diagnosis. 13:424-6, 1993
9. Coustan DR, Carpenter MW, O'Sullivan PS, **Carr SR**. Gestational diabetes: predictors of subsequent disordered glucose metabolism. American Journal of Obstetrics and Gynecology 168:1139-44, 1993
10. **Carr SR**, Rubin L, Dixon D, Star J, Dailey J: In Utero Therapy for Homozygous Alpha-Thalassemia. Obstetrics and Gynecology 85:876-9, 1995
11. **Carr SR**, Slocum J, Tefft L, Haydon B, Carpenter MW. Precision of Office Based Blood Glucose Meters in Screening for gestational diabetes. American Journal of Obstetrics and Gynecology; 173:1267-72, 1995.
12. Carpenter MW, Canick J, Star J, **Carr SR**, Shahinian K, Tumber M, Burke ME: Fetal hyperinsulinism at 14-20 weeks predicts gestational diabetes. Obstetrics and Gynecology; 87:89-93, 1996.
13. Cowett RM, Carpenter MW, **Carr SR**, Kalhan S, Maguire C, Sady M, Haydon B, Sady S, Dorcus B. Glucose and lactate kinetics during a short exercise bout in pregnancy. Metabolism Clinical and Experimental; 45:753-8, 1996

14. Malee MP, **Carr SR**, Rubin LP, Johal J, Feit L. Prenatal ultrasound diagnosis of abdominal aortic aneurysm with fibrotic occlusion in aortic branch vessels. Prenatal Diagnosis; 17:479-82, 1997
15. **Carr SR**. Screening for Gestational Diabetes; A Perspective in 1998. Diabetes Care; 21(suppl 2):B14-B18, 1998
16. Kitzmiller JL, Elixhauser A, **Carr SR**, Major CA, de Veciana M, Dang-Kilduff L, Weschler JM. Assessment of Costs and Benefits of Management of Gestational Diabetes. Diabetes Care; 21(suppl 2): B123-B130, 1998
17. Allister L, Masakowski Y, **Carr S**, Andreozzi L, Lester B. The effects of maternal depression on fetal heart rate response to vibroacoustic stimulation. Infant Behavior and Development; 21(ICIS issue):262, 1999
18. Roggin KK, Breuer CK, **Carr SR**, Hansen K, Kurkchubasche K, Wesselhoeft CW, Tracy T, Luks F. The unpredictable character of congenital cystic lung lesions. Journal of Pediatric Surgery; 35:801-5, 2000
19. Luks FI, **Carr SR**, Ponte B, Rogg JM, Tracy TF Jr. Preoperative planning with magnetic resonance imaging and computerized rendering in twin-to-twin transfusion syndrome. Am J Obstet Gynecol. 185:216-9, 2001
20. Luks FI, **Carr SR**, Tracy TF Jr. Intestinal atresia associated with twin-twin transfusion syndrome (letter). J Pediatr Surg 36:1105-6, 2001.
21. Allister L, Lester B, **Carr SR**, Liu J. The Effects of Maternal Depression on Fetal Heart Rate Response to Vibroacoustic Stimulation. Developmental Neuropsychology 20:639-51, 2001.
22. Huang J, Kurkchubasche AG, **Carr SR**, Wesselhoeft CW, Tracy TF Jr. Benefits of term delivery in infants with antenatally diagnosed gastroschisis. Obstet Gynecol 100:695-9, 2002.
23. De Paepe ME, **Carr SR**, Cassese JA. Postmortem validation of imaging-derived formulas for prediction of fetal lung volume. Fetal Diagn Ther. 18:353-9, 2003.
24. Luks FI, **Carr SR**, Feit LR, Rubin LP. Experience with a multidisciplinary antenatal diagnosis and management model in fetal medicine. J Matern Fetal Neonatal Med. 2003 Nov;14(5):333-7.
25. Bussey JG, Luks F, **Carr SR**, Plevyak M, Tracy TF. Minimal-access fetal surgery for twin-to-twin transfusion syndrome. Surg Endosc 18:83-6, 2004.

26. Luks FI, **Carr SR**, Plevyak M, Craigo SD, Athannasiou A, Ralston SJ, Tracy, TF, Jr. Limited prognostic value of a staging system for twin-to-twin transfusion syndrome. Fetal Diagn Ther 19:301-4, 2004.
27. De Paepe ME, Friedman RM, Poch M, Hansen K, **Carr SR**, Luks FI. Placental Findings after Laser Ablation of Communicating Vessels in Twin-to-Twin Transfusion Syndrome. Pediatr Dev Pathol. 2004 Mar 17
28. **Carr SR**, Luks FI, Tracy T, Plevyak MP. Antenatal Necrotic Injury in Severe Twin-to-Twin Transfusion Syndrome. A Case and Review. Fetal Diagn Ther 2004;19:370-372.
29. Poch M, Luks FI, **Carr SR**, De Paepe ME. Intratwin Arteriovenous Fistula of the Placenta in a Case of Twin-to-Twin Transfusion Syndrome. Am J Perinatol. 2005 Jan;22(1):3-6.
30. Luks FI, **Carr SR**, De Paepe ME, Tracy TF, Jr. What - and why - the pediatric surgeon should know about Twin-to-twin Transfusion Syndrome. J Ped Surg 2005;40:1063-1069.

OTHER PEER-REVIEWED PUBLICATIONS:

OTHER NON-PEER-REVIEWED PUBLICATIONS

Coustan DR, **Carr SR**: Cocaine use during pregnancy. Rhode Island Medical Journal. 73:6, 1990.

Carr SR: "Ultrasound in the diagnosis and prenatal care of multiple gestations". Obstetrics & Gynecology Forum. 4:4, 3, 1990.

Carr SR, Coustan DR: What's the latest in glucose monitors. Contemporary Ob/Gyn 36:9-22, April 1992

Carr SR, Stoval TG, Beckmann CRBB: Abortion. In: Clinical Manual of Gynecology, 2nd ed., Editors: Stovall TG, Summitt RL, Beckmann CRBB, Ling FW, McGraw-Hill, 1992.

Carr SR: Genetics in Obstetrics and Gynecology 2d ed. Simpson JL, Globus MS (eds)(book review) JAMA 270:1479-80, 1993

Carr SR: High Risk Pregnancy: Management Options, James DK, Steer PJ, Weiner CP, Gonik B.(eds) (book review) JAMA 273:259-60, 1995.

Carr SR: Medical Complications During Pregnancy, Burrow GN, Ferris TF. (eds) (book

review) JAMA: 274:1247-8, 1995

Feit LR, **Carr SR**. Fetal cardiac arrhythmias: diagnosis and management. Current Obstetric Medicine, Lee RV, Garner PR, Barron WM, Coustan DR (eds) volume 4, 1996.

Carr SR, Coustan DR. Nonprescription Drugs and Alcohol: Abuse and Effects in Pregnancy. Reece EA, Hobbins J, Mahoney MJ, Petrie RH (eds) Medicine of the Fetus and Mother, 2nd edition, Lippincott, Philadelphia, 1999.

Canick JA, **Carr SR**. Screening for Birth Defects: Integrating Laboratory Evaluation, Genetic Counseling and Clinical Intervention. Medicine and Health Rhode Island 81:122-6, 1998.

Carr SR. Detection and Management of the Intrauterine Growth Restricted Fetus. Medicine and Health Rhode Island 81:133-6, 1998

Carr SR, Plevyak MP. Contemporary evaluation and management of twin-twin transfusion syndrome. Medicine and Health Rhode Island 84:165-8, 2001

Plevyak MP, **Carr SR**. Rhesus immunization. Medicine and Health Rhode Island 84:148-51, 2001.

CORPORATE AUTHORSHIP OR MULTICENTER TRIALS

1. Weiss JL, Malone FD, Emig D, Ball RH, Nyberg DA, Comstock CH, Saade G, Eddleman K, Carter SM, Craigo SD, **Carr SR**, D'Alton ME; FASTER Research Consortium. Obesity, obstetric complications and cesarean delivery rate--a population-based screening study. Am J Obstet Gynecol. 2004 Apr;190(4):1091-7.

2. Malone FD, Ball RH, Nyberg DA, Comstock CH, Saade G, Berkowitz RL, Dugoff L, Craigo SD, **Carr SR**, Wolfe HM, Tripp T, D'Alton ME; FASTER Research Consortium. First-trimester nasal bone evaluation for aneuploidy in the general population. Obstet Gynecol. 2004 Dec;104(6):1222-8.

3. Dugoff L, Hobbins JC, Malone FD, Porter TF, Luthy D, Comstock CH, Hankins G, Berkowitz RL, Merkatz I, Craigo SD, Timor-Tritsch IE, **Carr SR**, Wolfe HM, Vidaver J, D'Alton ME. First-trimester maternal serum PAPP-A and free-beta subunit human chorionic gonadotropin concentrations and nuchal translucency are associated with obstetric complications: a population-based screening study (the FASTER Trial). Am J Obstet Gynecol. 2004 Oct;191(4):1446-51.

4. Cleary-Goldman J, Malone FD, Vidaver J, Bal RHI, Nyberg DA, Comstock CH, Saade GR, Eddleman KA, Gross SJ, Dugoff L, Timor-Tritsch IE, Craigo SD, **Carr SR**, Wolfe HM, and D'Alton M. Impact of maternal age on obstetric outcome. Obstet Gynecol 2005

May; 105 (5) 983-990.

5. Dugoff L, Hobbins JC, Malone FD, Vidaver J, Sullivan L, Canick JA, Lambert-Merserlian GM, Porter TF, Luthy DA, Constock CH, Saade G, Eddleman K, Merkatz IR, Craigo SD, Timor-Tritsch IE, **Carr SR**, Wolfe HM, D'Alton ME. Quad Screen as a Predictor of Adverse Pregnancy Outcome. *Obstet Gynecol* 2005 Aug;106(2):260-267.

6. Malone FD, Ball RH, Nyberg DA, Comstock CH, Saade GR, Berkowitz RL, Gross SJ, Dugoff L, Craigo SD, Timor-Tritsch IE, **Carr SR**, Wolfe HM, Dukes K, Canick JA, Bianchi DW, D'Alton ME. First Trimester Spontaneous Hygroma: Prevalence, Natural History, and Pediatric Outcome. *Obstet Gynecol* 2005 Aug; 106(2):288-294.

PUBLICATIONS SUBMITTED OR IN PREPARATION

Malone FD, Canick JA, Ball RH, Nyberg DA, Comstock CH, Bukowski R, Berkowitz RL, Gross SJ, Dugoff L, Craigo SD, Timor-Tritsch IE, **Carr SR**, Wolfe HM, Dukes K, Bianchi DW, Rudnick AR, Hackshaw AK, Lambert-Messerlian G, Wald NJ, D'Alton ME, for the FASTER Research Consortium. First and Second Trimester Evaluation of Risk for Fetal Aneuploidy (FASTER): Principal Results of the NICHD Multicenter Down Syndrome Screening Study. *N Engl J Med*, submitted, 2004.

ABSTRACTS:

Carr SR, Eden R: Accuracy of Gestational Age Assignment in Urban, Public-Aid Postdates Patients. In: Program of Society of Perinatal Obstetricians, 1987; A-373.

Carr SR, Coustan DR, Martelly P, Brosco F, Rotondo L: Reliability of Capillary Blood Glucose Determination by Reflectance Meter in Screening for Gestational Diabetes. Abstract presented at the New England Conference of Perinatal research, Chatham Mass, October 4-6, 1987.

Carr SR: Reflectance Meter in Screening for Gestational Diabetes. Abstract presented at the New England Conference of Perinatal research, Chatham Mass, October 4-6, 1987.

Carr SR, Coustan DR, Martelly P, Brosco F, Rotondo L: Reliability of Capillary Glucose Reflectance Meters in Screening for Gestational Diabetes. Abstract presented at Annual Meeting, Society of Perinatal Obstetricians, February 4-6, 1988.

Coustan DR, Nelson C, Carpenter MW, **Carr SR**, Rotondo L: Population Based Study of Relationship Between Maternal Age and Screening for Gestational Diabetes. Abstract presented at Annual Meeting of the Society of Perinatal Obstetricians, February, 1988.

Carr SR, Aaronson M, Coustan DR: Survival Rates of Monoamniotic Twins Do Not Decrease After 30 Weeks Gestational Age. Oral Presentation at the Society of Perinatal Obstetricians, Houston, Texas, January, 1990.

Carr SR, Terry RT, Haydon B, Carpenter MW. Obstetrical Outcome in Aerobically Trained Women, Society of Perinatal Obstetricians, Orlando, Florida, February, 1992.

Carr SR, Slocum L, Tefft L, Haydon B, Carpenter MW. Precision of Office Based Glucose Meters in Screening for Gestational Diabetes. Society of Perinatal Obstetricians, Atlanta, GA, January, 1995.

Rubin L, **Carr SR**, Feit LR. Implementation of hospice concepts for terminally ill newborns and infants: ethical and methodologic considerations. *Pediatr Res* 37:40A, 1995

Carr SR, Carpenter MW, Slocum J, Donley K, Long R. Source of Care and Outcome in Gestational Diabetic Pregnancy. Presented at the 21st Annual New England Conference on Perinatal Research; Chatham MA, October 1995

Nores J, Roberts A, **Carr SR**. Prenatal diagnosis and management of fetuses with intracranial hemorrhage. Society of Perinatal Obstetricians, Kamuela, Hawaii, February 1996.

Nores J, **Carr SR**. Ultrasound accuracy in the prenatal diagnosis of skeletal disorders. Society of Perinatal Obstetricians, Kamuela, Hawaii, February 1996.

Carpenter MW, **Carr SR**, Hogan J, Haydon B, Somers M, Robbins L, Cowett R. Insulin resistance in gestational diabetes: effect of obesity. Society of Perinatal Obstetricians, Anaheim, California, January 1997.

Papadakis K, Luks F, **Carr SR**, Lessin MS, Wesselhoeft C, Tracy TF, DeLuca FG. Effect of Gestational Age in Gastroschisis: Benefit of Term Delivery. International Fetal Medicine and Surgery Society, Alaska, June 1997.

Papadakis K, Luks F, **Carr SR**, Lessin MS, Wesselhoeft C, Tracy TF, DeLuca FG. Effect of Gestational Age in Gastroschisis: Benefit of Term Delivery. Society of Perinatal Obstetricians, Miami Beach Florida, February 1998.

Malone FD, Ball, RH, Nyberg DA, Gross SJ, Constock, CH. 5. Saade GR, Eddleman KA, Craigo SD, Timor IE, **Carr SR**, Hobbins JC, Dukes KA, De La Cruz F, D'Alton ME. First Trimester Cystic Hygroma - A Population Based Screening Study (The FASTER trial). *American Journal of Obstetrics & Gynecology*. 185 Supplement 6:S99, December 2001.

D'Alton M, Malone F, Shevell T, Welch K, Tripp T, Ball R, Nyberg D, Comstock C, Bukowski R, Berkowitz R, Gross S, Dugoff L, Timor-Tritsch I, Craigo S, **Carr S**, Wolfe H, Hanson J. Decision to accept genetic amniocentesis: A population based screening study (the faster trial). American Journal of Obstetrics & Gynecology. 187(6, part 2) Supplement: S159, December 2002.

Weiss J, Malone F, Tsouderos D, Ball R, Nyberg D, Comstock C, Saade G, Eddleman K, Gross S, Dugoff L, Timor-Trisch I, Craigo S, **Carr S**, Wolfe H, Canick J, Hanson J, D'Alton M, Obesity, obstetrical complications and cesarean delivery rate - a population based screening study (the faster trial). American Journal of Obstetrics & Gynecology. 187(6, part 2) Supplement: S141, December 2002.

Cleary-Goldman J, Malone F, Hackshaw A, Robinson J, Ball R, Nyberg D, Comstock C, Bukowski R, Eddleman K, Gross S, Dugoff L, Timor-Tritsch I, Craigo S, **Carr S**, Wolf H, Hanson J, D'Alton M. Impact of maternal age on obstetric outcome- a population based screening study (the faster trial). American Journal of Obstetrics & Gynecology. 187(6, part 2) Supplement: S141, December 2002.

Bukowski R, Saade G, Malone F, Hankins G, Ball R, Nyberg D, Comstock C, Eddleman K, Gross S, Dugoff L, Timor I, Craigo S, **Carr S**, Wolfe H, Dukes K, Hanson J, D'Alton M. Slowing of fetal growth at the end of pregnancy: A dating artifact. American Journal of Obstetrics & Gynecology. 187(6, part 2) Supplement: S97, December 2002.

Weiss J, Malone F, Vidaver J, Ball R, Nyberg D, Comstock C, Hakins G, Berkowitz R, Gross S, Dugoff L, Timor-Tritsch I, Craigo S, **Carr S**, Wolfe H, Canick J, Hanson J, D'Alton M. Threatened abortion: A risk factor for poor pregnancy outcome - a population based screening study (the faster trial). American Journal of Obstetrics & Gynecology. 187(6, part 2) Supplement :S70, December 2002.

Bukowski R, Saade G, Malone F, Hankins G, Ball R, Nyberg D, Comstock C, Eddleman K, Gross S, Dugoff L, Timor I, Craigo S, **Carr S**, Wolfe H, Hanson J, Tibbets N, D'Alton M. Association between impaired fetal growth potential and adverse pregnancy outcome. American Journal of Obstetrics & Gynecology. 187(6, part 2) Supplement :S57, December 2002.

Malone F, Wald N, Canick J, Ball R, Nyberg D, Comstock C, Bukowski R, Berkowitz R, Gross S, Dugoff L, Craigo S, Timor I, **Carr S**, Wolfe H, Dukes K, Bianchi D, Rudnicka A, Hackshaw A, Lambert-Messerlian G, D'Alton M. First- and second-trimester evaluation of risk (Faster) trial: principal results of the NICHD Multicenter Down Syndrome Screening Study. American Journal of Obstetrics & Gynecology. 189(6) Supplement S56, December 2003.

Bukowski R, Saade G, Malone F, Porter T, Nyberg D, Comstock C, Hankins G,

Berkowitz R, Reingold P, Dugoff L, Craigo S, Timor I, **Carr S**, Wolfe H, Tibbetts N, D'Alton M. First-trimester origins of fetal growth impairment and its consequences – results from the Faster Trial. *American Journal of Obstetrics & Gynecology*. 189(6) Supplement S76, December 2003.

Dugoff L, Hobbins J, Malone F, Porter T, Luthy D, Comstock C, Hankins G, Berkowitz R, Merkatz I, Craigo S, Timor I, **Carr S**, Wolfe H, Tibbetts N, D'Alton M. The association between first-trimester maternal serum PAPP-A and free beta-hCG concentrations and obstetric complications—a population-based screening study (The Faster Trial). *American Journal of Obstetrics & Gynecology*. 189(6) Supplement S78, December 2003.

Dugoff L, Hobbins J, Malone F, Porter T, Luthy D, Comstock C, Saade G, Eddleman K, Merkatz I, Craigo S, Timor I, **Carr S**, Wolfe H, Tibbetts N, D'Alton M. The quad screen as a predictor of adverse pregnancy outcome: A population-based screening study (The Faster Trial). *American Journal of Obstetrics & Gynecology*. 189(6) Supplement S79, December 2003.

Malone F, Ball R, Nyberg D, Comstock C, Saade G, Berkowitz R, Gross S, Dugoff L, Craigo S, Timor I, **Carr S**, Wolfe H, Tripp T, D'Alton M. First-trimester nasal bone evaluation for aneuploidy in an unselected general population: results from The Faster Trial. *American Journal of Obstetrics & Gynecology*. 189(6) Supplement S79, December 2003.

D'Alton M, Malone F, Lambert-Messerlian G, Ball R, Nyberg D, Comstock C, Bukowski R, Berkowitz R, Dar P, Dugoff L, Craigo S, Timor I, **Carr S**, Wolfe H, Tripp T, Canick J. Maintaining quality assurance for nuchal translucency sonography in a prospective multicenter study: Results from The Faster Trial. *American Journal of Obstetrics & Gynecology*. 189(6) Supplement S79, December 2003.

Eddleman K, Berkowitz R, Kharbutli Y, Malone F, Vidaver J, Porter T, Luthy D, Comstock C, Saade G, Klugman S, Dugoff L, Craigo S, Timor I, **Carr S**, Wolfe H, D'Alton M. Pregnancy loss rates after midtrimester amniocentesis: The Faster Trial. *American Journal of Obstetrics & Gynecology*. 189(6) Supplement S111, December 2003.

Canick J, Wald N, Malone F, Porter T, Nyberg D, Comstock C, Saade G, Eddleman K, Klugman S, Dugoff L, Craigo S, Timor I, **Carr S**, Wolfe H, Sullivan L, Lambert-Messerlian G, Rudnicka A, Hackshaw A, D'Alton M. Gestational age-based performance of Down Syndrome screening markers: results from The Faster Trial. *American Journal of Obstetrics & Gynecology*. 189(6) Supplement S116, December 2003.

Bukowski R, Saade G, Malone F, Porter T, Nyberg D, Comstock C, Hankins G,

Eddleman K, Gross S, Dugoff L, Craigo S, Timor I, **Carr S**, Wolfe H, Emig D, D'Alton M. Dating of pregnancy using last menstrual period, crown-rump length, or second-trimester ultrasound biometry: results from The Faster Trial. American Journal of Obstetrics & Gynecology. 189(6) Supplement S134, December 2003.

Shevell T, Malone F, Vidaver J, Porter T, Luthy D, Comstock C, Hankins G, Eddleman K, Dolan S, Dugoff L, Craigo S, Timor I, **Carr S**, Wolfe H, D'Alton M. Assisted reproductive technology and pregnancy outcome-a population based screening study (The Faster Trial). American Journal of Obstetrics & Gynecology. 189(6) Supplement S175, December 2003.

Malone F, Wald N, Canick J, Ball R, Nyberg D, Comstock C, Saade G, Berkowitz R, Gross S, Dugoff L, Craigo S, Timor I, **Carr S**, Wolfe H, Sullivan L, Rudnicka A, Hackshaw A, Lambert-Messerlian G, D'Alton M. Use of overall population, center-specific, and sonographer-specific nuchal translucency medians in Down Syndrome screening: which is best result? (Results from The Faster Trial). American Journal of Obstetrics & Gynecology. 189(6) Supplement S232, December 2003.

Shevell T, Malone F, Vidaver J, Porter T, Luthy D, Comstock C, Bukowski R, Eddleman K, Gross S, Dugoff L, Craigo S, Timor I, **Carr SR**, Wolfe H, D'Alton M. Abnormal first-trimester fetal heart rate and pregnancy outcome: A population-based screening study (The Faster Trial). American Journal of Obstetrics & Gynecology. 189(6) Supplement S238, December 2003.

Healy A, Malone F, Peloso G, Ball R, Luthy D, Comstock CH. 5; Bukowski R, Berkowitz R, Gross S, Dugoff I, Craigo S, Timor I, **Carr SR**, Wolfe H, D'Alton M. Racial Disparity In Perinatal Mortality – Results from the FASTER Trial: 433. American Journal of Obstetrics & Gynecology. 191(6) Supplement:S125, December 2004.

Dolan S, Gross S, Merkatz IR, Faber V, Malone F, Porter F, Nyberg D, Comstock CH, Hankins G, Eddleman K, Dogoff L, Craigo S, Timor-Tritsch I, **Carr SR**, Wolfe HM, D'Alton M, The contribution of birth defects to prematurity and low birthweight in a population-based screening study (The FASTER Trial): 428. American Journal of Obstetrics & Gynecology. 191(6) Supplement:S123, December 2004.

Ball RH, Caughey AB, Malone FD, Nyberg DA, Comstock CH, Saade G, Berkowitz RL, Gross SJ, Dugoff L, Craigo SD, Timor IE, **Carr SR**, Wolfe HM, Emig N, D'Alton ME. First and second trimester evaluation of risk for Down syndrome: A cost utility analysis - results of the FASTER Trial: 199. American Journal of Obstetrics & Gynecology. 191(6) Supplement:S65, December 2004.

Lambert-Messerlian G, Dugoff L, Vidaver J, Canick J, Malone F, Porter F, Comstock C, Luthy D, Bukowski R, Eddleman K, Gross S, Craigo S, Timor I, **Carr S**, Wolfe H, D'Alton M, First and second trimester Down syndrome screening markers in pregnancies

achieved through assisted reproductive technologies (ART): A FASTER Trial study: 140. American Journal of Obstetrics & Gynecology. 191(6) Supplement:S48, December 2004.

Dugoff L, Sullivan L, Canick J, Hobbins J, Malone F, Porter F, Nyberg D, Comstock C, Saade G, Eddleman K, Gross S, Craigo S, Timor-Trisch I, **Carr S**, Wolfe H, D'Alton M. Multiple marker first and second trimester serum screening for adverse pregnancy outcome: A FASTER Trial study: 136. American Journal of Obstetrics & Gynecology. 191(6) Supplement:S47, December 2004.

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Urato A, Craigo S, Canick J, Traister K, Malone F, Oshiro B, Luthy D, Comstock C, Hankins G, Berkowitz R, Gross S, Dugoff L, Timor I, **Carr SR**, Wolfe HM, D'Alton M. The effect of maternal smoking on maternal serum analyte levels and Down syndrome screen positivity-results from the FASTER Trial: 122. American Journal of Obstetrics & Gynecology. 191(6) Supplement:S44, December 2004.

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Bukowski R, Saade G, Malone F, Porter F, Nyberg D, Comstock C, Eddelman K, Gross S, Dugoff L, Craigo S, Timor I, **Carr SR**, Wolfe H, Traister K, D'Alton M. Determinants of fet growth impairment: 47. American Journal of Obstetrics & Gynecology. 191(6)

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Malone F, Nyberg DA, Vidaver J, Ball R, Comstock CH, Saade G, Berkowitz R, Gross S, Dugoff L, Craigo S, Timor IE, **Carr SR**, Wolfe HM, Canick J, D'Alton ME. First and second trimester evaluation of risk (FASTER) Trial: The role of second trimester genetic sonography: 5. American Journal of Obstetrics & Gynecology. 191(6) Supplement:S3, December 2004.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

PEER REVIEWED

NON-PEER-REVIEWED

INVITED PRESENTATIONS

Carr SR: "Thyroid Disease in Pregnancy" Symposium on Anesthetic and Obstetric Management of the High Risk Mother and Fetus. April 1988. Women & Infants Hospital, Providence, RI.

Carr SR: How to Incorporate a Good Drug History into a Prenatal History: Rite Start Program. Rhode Island Department of Health. Providence, Rhode Island, March, 1990.

Carr SR: Ultrasound in the Management of Multifetal Pregnancy. New England Society of Diagnostic Ultrasonographers, Sturbridge, MA, September 1992.

Carr SR: Antenatal Diagnosis and Treatment of Fetal Cardiac Dysrhythmias. Presented at Perinatal and Neonatal Cardiac Dilemmas, March 1993, Providence, RI. Sponsored by Women and Infants Hospital Department of Nursing Research and Development.

Carr SR: Advanced Interpretation of Fetal Heart Rate Monitor Strips". Grand Rounds at Newport Hospital, Newport, RI, April 5 1993.

Carr SR, Cyr MG, Stein MD, Sweeney PJ: AIDS and Substance Abuse in Pregnancy"; workshop presented at American College of Physicians Postgraduate course: Medical Disorders During Pregnancy". Newport, Rhode Island, October, 1993

Carr SR: Advanced Life Support in Obstetrics. Presented at the Doubletree Hotel,

Newport, RI, April 20-21, 1994. Sponsored by the Brown University Memorial Hospital Family Medicine Residency, The Maternal-Child Health Fellowship & The Rhode Island Academy of Family Physicians.

Carr SR: Lyme Disease in Pregnancy and Fifth Disease in Pregnancy. Presented at Seventeenth Annual Current Concepts in Fetal and Neonatal Care. Sponsored by Women and Infants Hospital and The Rhode Island Medical Society. Newport, Rhode Island, May 1994.

Carr SR: New Developments in Treatment of Diabetes in Pregnancy. Grand Rounds, Division of Endocrinology, Rhode Island Hospital, October 1994.

Carr SR: Percutaneous Umbilical Blood Sampling. Rhode Island Blood Center, Providence, RI. January 1995.

Carr SR: Prenatal Diagnosis: Invasive and Not So Invasive. Rhode Island Society of Diagnostic Medical Sonographers, Women and Infants Hospital, Providence, Rhode Island, March 1995.

Carr SR: Advances in Ultrasound Use in Obstetrics. The National Conference on Obstetrical Nursing. Boston, MA. April 1995.

Carr SR: Current Strategies in the Management of Diabetes During Pregnancy and Birth. The National Conference on Obstetrical Nursing. Boston, MA. April 1995.

Carr SR: Pregnancy and Diabetes. The First Annual Lifespan Diabetes Seminar. Warwick, RI. September 1995.

Carr SR: Doppler Ultrasound in Obstetrics: At Last an Indication. Rhode Island Society of Diagnostic Medical Sonographers, Rhode Island Hospital, Providence, Rhode Island, November 1995.

Carr SR: Early Hospital Discharge Following Delivery; Good for Whom? Brockton Hospital, Brockton, Massachusetts. December 1995.

Carr SR: Organization of Prenatal Care in Providence, Rhode Island. Faculty Hospital First Department of Obstetrics and Gynecology, Kosice, Republic of Slovakia, January 1996

Carr SR: Twin-Twin Transfusion Syndrome and Twin Reverse Arterial Perfusion Sequence. St. Lukes Hospital Departments of Pediatrics and Obstetrics and Gynecology Grand Rounds. New Bedford, Massachusetts. April 1996.

Carr SR: Screening for Gestational Diabetes. 4th International Workshop Conference

on Gestational Diabetes, Chicago, Illinois, March 1997

Carr SR, Slocum J.: Diabetes in Pregnancy. Current Concepts in Fetal and Neonatal Care. Newport, Rhode Island, May 1997.

Carr SR: Gestational Diabetes: Where Have we Been and Where are We Going ? Grand Rounds, Department of Obstetrics and Gynecology, Hackensack University Medical Center, Hackensack, NJ, June 1997

Carr SR: Effects of Maternal Hyperglycemia on Fetal Development. American Dietetic Association Annual Meeting, Boston, MA, October 1997

Carr SR: Current Controversies in Prenatal Diagnosis: Ultrasound and Aneuploidy. Grand Rounds, Department of OB/GYN, Charleton Memorial Hospital, Fall River MA, December 1997.

Carr SR: Developments in Detection of Fetal Asphyxia. Symposium on Anesthetic and Obstetric Management of the High Risk Mother and Fetus. Providence, RI. April 1998

Carr SR: Ultrasound and the Detection of Aneuploidy. Grand Rounds, Department of Obstetrics and Gynecology, Memorial Hospital of Rhode Island, Pawtucket, RI. April 1998

Carr SR: Shoulder Dystocia: The Longest Five Minutes of Your Life. Current Concepts in Fetal & Neonatal Care, 21st Annual Symposium, Newport, RI. May 1998

Carr SR: Appropriate Use of Prenatal Diagnosis and Intervention. National Perinatal Association Annual Conference, Providence, Rhode Island, November 1998

Carr SR: Antenatal Diagnosis and Management: The Multidisciplinary Approach. Current Concepts in Fetal & Neonatal Care, 22nd Annual Symposium, Newport, RI. May 1999

Carr SR: Antenatal Diagnosis and Management: The Multidisciplinary Approach. Department of Pediatrics Grand Rounds, Rhode Island Hospital, Providence, Rhode Island. May 1999

Carr SR: New Developments in Ultrasound for the Detection of Aneuploidy. Grand Rounds, Department of Obstetrics and Gynecology, Women & Infants Hospital of Rhode Island, Providence, RI. July 1999

Carr SR: Prenatal Management of the Fetus. Society of Pediatric Pathology Fall Meeting. Providence, Rhode Island, September 1999

- Carr SR:** Current and Future Directions in Prenatal Diagnosis: Coming Attractions. National Birth Defects Prevention Network Annual Meeting. New Orleans, LA, February 2000
- Carr SR:** First Trimester Screening for Trisomy 21. Grand Rounds, Charlton Memorial Hospital, Fall River MA. April 2000
- Carr SR:** First Trimester Screening for Trisomy 21. Grand Rounds, Memorial Hospital of Rhode Island, Pawtucket, RI, April 2000
- Carr SR:** Fetal Heart Rate Monitor Interpretation: The Search for Fetal Hypoxia. Grand Rounds, Department of Obstetrics and Gynecology, Charlton Memorial Hospital, Fall River, Massachusetts, March 2001
- Carr SR:** Twin-Twin Transfusion Syndrome. The Smallest Patient: Foundations in Fetal Medicine. Brown University School of Medicine, May 2001
- Carr SR:** Contemporary Management of Rh-isoimmunization in Pregnancy. Rhode Island Blood Bankers Society, Providence, Rhode Island, September 2003.
- Carr SR:** Experience with a Multidisciplinary Antenatal Diagnosis and Management model in fetal Medicine – the M.A.D.A.M model. American Gynecological Club, Providence, Rhode Island, October 2003
- Carr SR:** Ultrasound Markers of Chromosomal Abnormalities. Diagnostic Ultrasound and Diagnostic Radiology Seminars. Southcoast Hospital System, November 2003
- Carr SR:** Screening for Aneuploidy Using Nuchal Translucency. Grand Rounds, Department of OB/GYN, Women & Infants' Hospital, December 2004.

GRANTS

UNIVERSITY TEACHING ROLES

Course Leader for University Course BI/C339B, Maternal-Fetal Medicine, 1994-1997, 2004-present

Lecturer in the Required Third Year Clerkship in Obstetrics and Gynecology, Brown University School of Medicine, 1988-present

Advisor to Undergraduate Students in the Program for Liberal Medical Education, 1991-1998.

Lecturer in the Core Curriculum for Residents in Obstetrics and Gynecology, 1991-

present

Lecturer to Fellows in Neonatology at Brown University/Women and Infants Hospital,
1992-present

Lecturer to Fellows in Maternal-Fetal Medicine at Brown University/Women and Infants
Hospital, 1992-present

Lecturer in BioMed 352: Introduction to Fetal Medicine