

Guillermo J. Valenzuela, M.D., MBA

The relevance of addressing obesity as a major health problem is the projected 147 billion dollars in costs related to health care.

The causes for obesity are multi-factorial. The process begins in utero. We know that if a baby is born whom weighs less or more than he should for the gestational age he is born at, a higher rate of insulin resistance is more likely. Barker in England demonstrated the relationship between birthweight and diabetes, heart disease, insulin resistance and obesity. Later, other investigators have added the metabolic syndrome. If the mother undergoes gastric bypass surgery, children born after the surgery tend to have a lower prevalence of obesity.

Animal studies show that a mother's weight and health influence her child's birthweight and size. Generally, if one of the parents in the household is obese, the child is 2 to 3 times more likely to become so.

Evidence also points to ethnicity as a factor. For example, childhood obesity is more common amongst American Indians, non-Hispanic blacks and Mexican Americans than in non-Hispanic whites. Clearly, there are socio-economic factors as obesity is more common amongst low-income populations.

Public perception of criminality, drugs, urban violence, etc. in residential areas are a factor. They have made neighborhoods unsafe for children to play and traverse (walking, running, bicycle); therefore, decreasing considerable "public space" and limiting outdoor physical activities.

Gender also affects obesity. 80% of teenage girls that were obese as children, remain obese, versus only 30% of males under the same circumstances. Furthermore, in recent years there is a decrease in physical activities both at home and at school, increase in usage of video games, increase in time spend watching TV (up to 7 hours/day), high-caloric snacks (very popular with younger teen); all of these factors are associated with increase incidence in obesity.

Complicating the solution, is that choices confronting care-givers, schools, etc. are defined also by cost-effectiveness in the food selection. The cost of food with good nutritional value is higher, while food with high-calorie and fat content is subsidized and thus cheaper and very abundant.

Many studies examine obesity in adults and children and evaluate the treatments of diet, exercise and use of medication and surgery. This research shows that

treatment of obesity successes are very limited in the long-term (2 years), except for surgery. As for the last option, even though the risks of surgery have been decreasing significantly with time, there are still major obstacles. These include financial cost and the risk of morbidity/mortality to treat a significant portion of the society.

Any solution will require an integrated system, utilizing portions of prenatal care, to be sure that women gain a healthy amount of weight during pregnancy. It will require a community effort to address multiple causes such as awareness of the impact of a mother's weight on her child's, opportunity and encouragement for exercise for children and adults and access to adequate nutrition at schools. The bottom line is to positively influence a change in obesity trends and work together on multiple levels to address the problem.

Guillermo J. Valenzuela, M.D., MBA

MEDICAL EDUCATION:

M.D., Universidad Católica de Chile, March 1967-March 1974.

POSTGRADUATE TRAINING:

Rockefeller Postdoctoral Fellow In Reproductive Biology; Department of Obstetrics and Gynecology, University of Texas Health Sciences Center at San Antonio, January 1975-June 1977.

Residency in Obstetrics and Gynecology, University of Texas Health Science Center at San Antonio; July 1977- June 1981

Fellowship in Maternal-Fetal Medicine

University of Texas Health Science Center at San Antonio; July 1981-June 1982

Loma Linda University; laboratory of Dr. Lawrence D. Longo; July 1982-June 1983

Executive MBA for the Health Care, University of California at Irvine; December 1997 to December 1999

BOARD CERTIFICATION:

American Board of Obstetrics and Gynecology 1986

Maternal-Fetal Medicine 1987

SUMMARY OF SKILLS:

Twenty-six years of a wide range of clinical experience in a county medical center.

Administrative experience as Director of Obstetrics (1983-1985) and as Chair of the Department of Obstetrics and Gynecology (January 1985 to present) at Arrowhead Regional Medical Center (formerly known as San Bernardino Medical Center)

Chairman Department of Obstetrics and Gynecology, Riverside County Regional Medical Center, from September 1998 to 2004

Director of Ob-Gyn Resident Research Rotation at Loma Linda University. From 1987 to 1993

Associate Medical Director Arrowhead Regional Medical Center, from November 2000 to present

President IFMG, local Inland Empire IPA from March 2004 to present

COMMUNITY ACTIVITIES

Commissioner in the Proposition 10 Initiative, as the representative of the San Bernardino County Medical Society. April 1999 to January 2005

Commissioner First Five, January 2007 to present, representative of Supervisor Paul Biane

Board of Directors Catholic Charities. January 2,000 to October 2006

Board of San Bernardino County Medical Society, 2002 until present

President-Elect, San Bernardino Medical Society, July 2007- June 2008

President, San Bernardino Medical Society, June 29, 2008 until present
June 2009

Founder, The Dream Project, a partnership with local high-school to increase graduation rate in a mostly Hispanic school. August 2007

Medical Board : Lay midwife Committee from 2007 until present

WORK EXPERIENCE:

Chairman, Department of Obstetrics and Gynecology, San Bernardino County Medical Center (1985-present).

Chairman Department of Obstetrics and Gynecology, Western University of Health Sciences, Pomona, California. (1995-1999)

Clinical Professor, Department of Obstetrics and Gynecology, University of California at Irvine. From September 1998 until present

Associate Professor, 1992-1994, Assistant Professor, 1986, Instructor 1983-1985, Department of Obstetrics and Gynecology, Loma Linda University. I spent 50% of my time performing clinical and administrative duties at the San Bernardino County Medical Center as Director of Obstetrics (1983-1984) and later as Department Chair (Jan 1985 to present) and 50% of my time in research activities at the Division of Perinatal Biology.

Assistant Professor, Department of Obstetrics and Gynecology, University of Texas Health Science Center at San Antonio (July 1981-June 1982)

AWARDS:

William Cook Prize of the Texas Obstetrics and Gynecological Society for: Endotoxin shock in pregnant rabbits: reversal by indomethacin. 1978

Outstanding Fellow Award, given by Perinatal Resources, Inc., for: Baseline lymph flow rate- in the near-term pregnant sheep and effect of terbutaline. 1984

Riverside PTA: Business of the Year Award, July 2009

Ethnic Physician Leadership Award of CMA, 2009

COMMITTEES:

Medical Staff Executive Committee, San Bernardino County Medical Center (1985 to present)

Executive Committee, Inland Faculty Medical Group (1995- present)

Education Committee, San Bernardino County Medical Center (1985 to present)

Executive Committee, Department of Obstetrics and Gynecology, Loma Linda University (1985 to 1993)

Search Committee for Surgery Department Chair, San Bernardino County Medical Center (1988)

Search Committee for Orthopedics Department Chair, San Bernardino County Medical Center (1988)

Search Committee for Internal Medicine Chair, Arrowhead Regional Medical Center (2000)

SOCIETY

MEMBERSHIPS:

Fellow, American College Obstetrics & Gynecology
Society of Perinatal Obstetricians
Society for Gynecologic Investigation
American Society for the Study of Hypertension in Pregnancy
Latin-American Society for the Study of Reproduction
Association of Professors of Gynecology and Obstetrics
American Medical Association
California Medical Association
San Bernardino County Medical Society
Riverside-San Bernardino County Ob-Gyn Society
Pacific Coast OB&Gyn Society

JOURNAL PEER

REVIEWER:

American Journal of Obstetrics and Gynecology
Obstetrics and Gynecology
JAMA
Canadian Medical Association Journal
Journal of Maternal-Fetal Medicine

PUBLICATIONS

1. *Valenzuela, G*, Harper, MJK: INFLUENCE OF pH ON EXTRACTION OF PGE2 AND PGF2 FROM RABBIT PLASMA. **Prostaglandins** 1976; 12:377.
2. *Valenzuela, G*, Antonini, R: INFLUENCE OF DIFFERENT BATCHES OF SILICIC ACID ON THE CHROMATOGRAPHY OF PGE. **Prostaglandins** 1976; 11:769.
3. *Valenzuela, G*, Harper, MJK: EFFECT OF ESTROGEN ON ACTIVITY OF PROSTAGLANDIN SYNTHETASE IN RABBIT OVIDUCT. **Prostaglandins** 1976; 12:535.
4. *Valenzuela, G*, Chatkoff, M: SEPARATION OF PGE1 AND PGE2 USING LH-20 COLUMNS. **Prostaglandins** 1976; 11:421.
5. *Valenzuela, G*, Antonini, R, Hodgson, B, Jones, D, Harper, MJK: CYCLIC NUCLEOTIDES AND PROSTAGLANDINS (GPS) PRODUCED BY THE RABBIT OVIDUCT: EFFECTS OF ESTROGEN TREATMENT. **Res. Commun. Chem. Pathol. Pharmacol.** 1977; 17:367.
6. *Valenzuela, G*, Ross, H, Hodgson, B, Harper, MJK, Pauerstein, C: EFFECT OF INHIBITORS OF PROSTAGLANDIN SYNTHESIS AND METABOLISM ON OVUM TRANSPORT IN THE RABBIT. **Fertility and Sterility** 1977; 28:992.
7. Heesch, C, *Valenzuela, G*, Hodgson, B: COMPARISON OF THE EFFECTS OF PROSTAGLANDINS ON D2, F2, AND E1, ON SPONTANEOUS CONTRACTIONS OF RABBIT OVIDUCT. **Prostaglandins** 1977; 14:279.
8. *Valenzuela, G*, Hodgson, B, Harper, MJK: ENDOTOXIN INDUCED ACCELERATION OF OVUM TRANSPORT IN RABBITS. **Experientia** 1978; 34:388.
9. Harper, MJK, *Valenzuela, G*, Hodgson, B: ACCELERATED OVUM TRANSPORT IN RABBITS INDUCED BY ENDOTOXIN. I. CHANGES IN PROSTAGLANDIN LEVELS AND REVERSAL OF ENDOTOXIN EFFECT. **Prostaglandins** 1978; 15:43.
10. Hodgson, BJ, Harper, MJK, *Valenzuela, GJ*: ACCELERATED OVUM TRANSPORT IN RABBITS INDUCED BY ENDOTOXIN. II. CHANGES IN OVIDUCTAL SMOOTH MUSCLE ACTIVITY. **Prostaglandins** 1978; 15:65.
11. Antonini, R, *Valenzuela, GJ*, Harper, MJK: UTERINE BLOOD FLOW AND PROSTAGLANDIN LEVELS IN OVARIECTOMIZED RABBITS. **J of Reprod Fert.** 1978; 54:349-56.

12. **Valenzuela, GJ**, Harper, MJK, Magnesco, L: ENDOTOXIN INDUCED INTERRUPTION OF EARLY PREGNANCY IN THE RABBIT. **J of Reprod Fert.** 1978; 54:205.
13. Harper, M., **Valenzuela, GJ**, Hodgson, BJ, Siler-Kodr, T.: CONTRACEPTIVE PROPERTIES OF ENDOTOXIN IN RABBITS. **Fertility and Sterility**. 1979; 31:441.
14. Balmaceda, J, Asch, R, Fernandez, E, **Valenzuela, GJ**, Eddy, C, Pauerstein, C.: PROSTAGLANDIN PRODUCTION BY RHESUS MONKEY CORPORA LUTEA IN VITRO. **Fertility and Sterility**. 1979; 31:214.
15. Harper, MJK, Coons, LW, Radicke, DA, Hodgson, BJ, **Valenzuela, GJ**: ROLE OF PROSTAGLANDINS IN SPONTANEOUS CONTRACTION ACTIVITY OF THE AMPULLA OF THE RABBIT OVIDUCT. **Am J Physiol**. 1980; 238:E157:66.
16. **Valenzuela, GJ**, Bodkhe, R: EFFECT OF PREGNANCY INDUCED HYPERTENSION UPON PLACENTAL PROSTAGLANDIN METABOLISM: DECREASED PGF2 CATABOLISM. **Am J Obstet Gynecol** 1980; 136:255.
17. Schenken, RS, Hayashi, RJ, **Valenzuela, GJ**, Castillo, RH: TREATMENT OF PREMATURE LABOR WITH BETA SYMPATHOMIMETICS: RESULTS WITH ISOXUPRINE. **Am J Obstet Gynecol** 1980; 137:773.
18. Balmaceda, J, **Valenzuela, GJ**, Eddy, C, Asch, R: PROSTAGLANDIN PRODUCTION BY RHESUS CORPORA LUTEA IN VITRO. II. EFFECTS OF ESTROGEN ADMINISTRATION. **Intern. J of Gynecol Obstet** 1980; 18:15.
19. **Valenzuela, GJ**, Hayashi, RH, Lackritz, R, Soriero, O: UTERINE RUPTURE AT TERM WITH VAGINAL PROSTAGLANDIN E2. **Am J Obstet Gynecol** 1980; 138:1223.
20. Balmaceda, J, **Valenzuela, GJ**, Eddy, C, Asch, R: EFFECTS OF HCG ON PROSTAGLANDIN SYNTHESIS AND FUNCTION OF CORPUS LUTEUM. **Am J Obstet Gynecol** 1981; 57:505.
21. **Valenzuela, GJ**, Cline, S: USE OF MAGNESIUM SULFATE IN PREMATURE LABOR THAT FAILS TO RESPOND TO BETAMIMETIC DRUGS. **Am J Obstet Gynecol** 1982; 143:718 .
22. **Valenzuela, GJ**, Harper, MJK, Hayashi, R.: UTERINE VENOUS, PERIPHERAL VENOUS AND RADIAL ARTERIAL LEVELS OF PROSTAGLANDINS E AND F IN WOMEN WITH PREGNANCY-INDUCED HYPERTENSION (PIH). **Am J Obstet Gynecol** 1983; 145:11, .

23. **Valenzuela, GJ**, Balmaceda, J, Harper, MJK, Asch, and R.: PLATELETS BIND TO RHESUS MONKEY CORPORA LUTEA AND STIMULATE ITS PROSTAGLANDIN SYNTHESIS. **Fertility and Sterility** 1983; 39:370 .
24. **Valenzuela, GJ**, Cline, S, Hayashi, RH: FOLLOW-UP HYDRATION AND SEDATION IN THE PRE-THERAPY OF PREMATURE LABOR. **Am J Obstet Gynecol** 1983; 147:396 .
25. Harper, M, Khodr, G, **Valenzuela, GJ**: PROSTAGLANDIN PRODUCTION BY HUMAN TERM PLACENTAS IN VITRO. **Prostaglandin Leukotienes un Med** 11:1:121, 1983.
26. **Valenzuela, GJ**, Hayashi, RH, Johns, A: EFFECT OF MAGNESIUM SULFATE UPON UTERINE CONTRACTILITY IN HUMANS. **Magnesium** 1983; 2:120 .
27. **Valenzuela, GJ**. FERTILITY FOLLOWING POST CESAREAN SECTION ENDOPARAMETRITIS. **Am J Obstet Gynecol** 1984; 149:231-2.
28. Siler-Khodr, TM, Khodr, GS, **Valenzuela, GJ**: IMMUNOREACTIVE GONADOTROPIN-RELEASING HORMONE LEVEL IN MATERNAL CIRCULATION THROUGHOUT PREGNANCY. **Am J Obstet Gynecol** 1984; 150:376-9 .
29. **Valenzuela, GJ**, Munson, L.A., Graham, A., Koos, BJ: IS THERE A NEED FOR DIGITAL EXAM IN SPONTANEOUS RUPTURE OF MEMBRANES? **Am J Obstet Gynecol** 1985; 153:562-3 .
30. **Valenzuela, GJ**, Koos, BJ, Mejia, A: AN UNUSUAL PRESENTATION OF A CASE OF STAPHYLOCOCCI PERICARDITIS DURING PREGNANCY. **Am J Obstet Gynecol** 1985; 151:752-3.
31. **Valenzuela, GJ**, Longo, L.D.: THE RELATION OF MATERNAL BLOOD VOLUME TO PLASMA RENIN ACTIVITY IN THE PREGNANT RABBIT. **J of Dev Physiol.** 1985; 7:99-104, .
32. Siler-Khodr, TM, Khodr, GS, **Valenzuela, GJ**, Rhode, J (1985b). GNRH STIMULATED RELEASE OF PLACENTAL HORMONES DURING GESTATION. I. hCG, hCG, AND HCS. **Biol. Reprod.** 1986; 34:245-54 .
33. **Valenzuela, GJ**, Johns, A, Hayashi, RH: RELATIONSHIP OF ENDOGENOUS MAGNESIUM AND CALCIUM LEVELS TO OXYTOCIN AUGMENTATION. **Magnesium** 1986; 5:24-6 .

34. Siler-Khodr, TM, Khodr, GS, **Valenzuela, GJ**, Rhode, J (1985c). GNRH-STIMULATED RELEASE OF PLACENTAL HORMONES DURING GESTATION. II. PROGESTERONE, ESTRONE, ESTRADIOL AND ESTRIOI. **Biol. Reprod.** 1986; 34:255-64.
35. **Valenzuela, GJ**, Woods, LL, Brace, RA. THORACIC DUCT LYMPH FLOW IN PREGNANT SHEEP AND RESPONSE TO BLOOD VOLUME EXPANSION. **Am J Physiol** 1986; 250 (Regulatory Integrative Comp. Physiol 19):R1095-98.
36. Ueda, S, Fortune, V, Bull, BS, **Valenzuela, GJ**, Longo, LD: ESTROGEN EFFECTS ON PLASMA VOLUME, ARTERIAL BLOOD PRESSURE, INTERSTITIAL SPACE, PLASMA PROTEINS, AND BLOOD VISCOSITY IN SHEEP. **Am J Obstet Gynecol** 1986 155:195-201.
37. Brar, HS, Yung, D, Tam, TB, **Valenzuela, GJ**, Murray, RD, Longo, LD, Yonekura, ML, Hsueh, WA: UTEROPLACENTAL UNIT AS A SOURCE OF ELEVATED CIRCULATING "PRORENIN" LEVELS IN NORMAL PREGNANCY. **Am J Obstet Gynecol** 1986; 155:1223-6.
38. **Valenzuela, G**, Munson, L: MAGNESIUM AND PREGNANCY. **Magnesium** 1987; 6: 128-35.
39. Siler-Khodr, TM, Khodr, GS, **Valenzuela, GJ**, Harper, MJK, Rhode, J: GNRH EFFECTS ON PLACENTAL HORMONES DURING GESTATION. III. PROSTAGLANDIN E, PROSTAGLANDIN F, AND 13, 14-DIHYDRO- 15 KETO- PROSTAGLANDIN F. **Biology of Reproduction** 1986; 35:312-9.
40. **Valenzuela, GJ**, Brace, RA, Longo, LD. LYMPHATIC, INTERSTITIAL AND VASCULAR VOLUME RESPONSES TO FLUID ADMINISTRATION IN CASTRATED AND NONCASTRATED SHEEP. **Am J of Physiol.** 1987; 252: R114-8.
41. Davidson, BJ, Murray, RD, Challis, JRC, **Valenzuela, GJ**: ESTROGEN, PROGESTERONE, PROLACTIN, PGE2, PGF2A, PGFM AND 6-KETO-PGF1A GRADIENTS ACROSS THE UTERUS IN WOMEN IN LABOR AND NOT IN LABOR. **Am J Obstet Gynecol** 1987; 157:54-8.
42. **Valenzuela, GJ**, Hewitt, C, Graham, A. ANGIOTENSIN II INFUSION INCREASES THORACIC DUCT LYMPH FLOW IN THE SHEEP. **Am J of Physiol** 1987; 252:R853-58.
43. **Valenzuela, GJ**, Munson, LA, Tarbaux, NM, Farley, JR. TIME-DEPENDENT CHANGES IN BONE, PLACENTAL, INTESTINAL, AND HEPATIC ALKALINE PHOSPHATASE ACTIVITIES IN SERUM DURING HUMAN PREGNANCY. **Clinical Chemistry** 1987; 33, 10:1801-6.

44. Foster, T, Jacobson, JD, *Valenzuela, GJ*: COMPARISON OF 15 VERSUS 30 MINUTE OXYTOCIN AUGMENTATION. **Obstet & Gynecol** 1988; 71:147-9.
45. *Valenzuela, GJ*, Comunale, FL, Davidson, B, Doodley, RR, Foster, TC-S.: CLINICAL MANAGEMENT OF PATIENTS WITH CYSTIC FIBROSIS AND PULMONARY INSUFFICIENCY. **Am. J. Obstet. Gynecol** 1988; 159:1181-3.
46. Davidson, B, Rea CD, *Valenzuela, GJ*: ATRIAL NATRIURETIC PEPTIDE, PLASMA RENIN ACTIVITY, AND ALDOSTERONE IN WOMEN ON ESTROGEN THERAPY AND WITH PREMENSTRUAL SYNDROME. **Fertility and Sterility** 1988; 50:743-6.
47. *Valenzuela, GJ*, Hewitt, C W, Kramer, G, Do, Y, Hseuh, WA: EFFECTS OF SUSTAINED LYMPH DRAINAGE ON CARDIOVASCULAR FUNCTION AND THORACIC DUCT LYMPH IN SHEEP. **Am J Physiol.** 1989; 256:R867-74.
48. *Valenzuela, GJ*. IS THE PLASMA ONCOTIC PRESSURE DECREASE ENOUGH TO EXPLAIN THE EDEMA OF PREGNANCY. **Am J Obstet Gynecol** 1989; 161: 1624-7.
49. Castro, LC, Arora, C, Parvez, S, Parvez, H, *Valenzuela, GJ*, Hobel, CJ. PLASMA ATRIAL NATRIURETIC PEPTIDE LEVELS DURING THE RAT ESTRUS CYCLE, PREGNANCY AND PUERPERIUM. **Am J Obstet Gynecol** 1989; 160:15-9.
50. *Valenzuela, GJ*, Longo, LD. LYMPH FLOW RATE RESPONSE TO ANGIOTENSIN II IS DECREASED IN PREGNANT SHEEP. **Am J Obstet Gynecol** 1989; 161: 1615-9.
51. Kurata, JH, Werblun, MN, *Valenzuela, GJ*, Ziffer, M, Kantor-Fish, S, Richards, E. PERINATAL OUTCOMES IN OBSTETRIC AND FAMILY MEDICINE SERVICES IN A COUNTY HOSPITAL. **The J American Board of Family Practice** 1989; 2:2, 82-6.
52. *Valenzuela, GJ*, Forbes HW, Alonso, JG. EFFECT OF pH CHANGES IN THORACIC DUCT LYMPH FLOW IN SHEEP. **Am J Obstet Gynecol** 1989; 161:1566-70.
53. Brace, RA, *Valenzuela, GJ*. EFFECTS OF OUTFLOW PRESSURE AND VASCULAR VOLUME LOADING ON THORACIC DUCT LYMPH FLOW IN ADULT SHEEP. **Am J Physiol.** 1990; 258::R240-4.
54. *Valenzuela, GJ*, Kim, S. ESTROGEN EFFECTS ON THORACIC DUCT LYMPH FLOW AS A FUNCTION OF OUTFLOW PRESSURE IN EWES. **Am J. Physiol.** 1990; 258: H1317-20.
55. *Valenzuela, GJ*, Foster TC-S. USE OF MAGNESIUM SULFATE TO TREAT ABNORMAL UTERINE ACTIVITY IN TERM LABOR. **Obstet Gynecol** 1990; 75:762-4.

56. **Valenzuela, GJ**, Kim, S, Rauld, HF. CARDIOVASCULAR CHANGES AFTER CLOSURE OF THE UTERINE CIRCULATION DURING PREGNANCY. **Am J Physiol.** 1990; 258: R1431-35.
57. Jacobson JD, Gregerson, GN, Dale, PS, **Valenzuela, GJ**. REAL-TIME MICROCOMPUTER ANALYSIS OF SPONTANEOUS AND AUGMENTED LABOR. **Obstet Gynecol.** 1990; 76: 755-8.
58. Matsumoto T, Hess DL, Kaushal KM, **Valenzuela GJ**, Yellon SM, Ducsay CA. CIRCADIAN MYOMETRIAL AND ENDOCRINE RHYTHMS IN THE PREGNANT RHESUS MACAQUE: EFFECTS OF CONSTANT LIGHT AND TIMED MELATONIN INFUSIONS. **Am J Obstet Gynecol** 1991; 165:1777-84.
59. **Valenzuela GJ**. LONG-TERM VASCULAR VOLUME EXPANSION MAINTAINS ELEVATED THORACIC DUCT LYMPH FLOW. **Am J Obstet Gynecol** 1992; 167:1453-8.
60. **Valenzuela GJ**, Norburg M, Ducsay CA. ACUTE UTERINE ISCHEMIA INCREASES AMNIOTIC FLUID PROSTAGLANDINS IN THE PREGNANT SHEEP. **Am J Obstet Gynecol** 1992; 167: 1459-64.
61. **Valenzuela GJ**, Chesier S, Hunt G, Hunt R. INCREASED PUMPING ABILITY IN PREGNANT EWES. **Am J Obstet Gynecol** 1992; 167: 1756-9.
62. Vergara M, Parraguez VH, Recabarren S, Riquelme R, Garay F, **Valenzuela GJ**, Serón-Ferré M. THE RETINO-HYPOTHALAMIC TRACT IS INVOLVED IN PROLACTIN REGULATION IN THE FETAL SHEEP. **J Dev Physiol**, 1992; 18:19-23.
63. Germain AM, **Valenzuela GJ**, Ivankovic M, Ducsay CA, Gabella C, Seron-Ferre M. RELATIONSHIP OF CIRCADIAN RHYTHMS OF UTERINE ACTIVITY WITH TERM AND PRETERM DELIVERY. **Am J Obstet Gynecol**, 1993; 168:1271-7.
64. Seron-Ferre M, Ducsay CA, **Valenzuela GJ**. ONTOGENY OF CIRCADIAN RHYTHMS. **Endocrine Reviews.** 1993; 14:594-609.
65. Goodwin TM, Paul R, Silver H, Spellacy W, Hayahsi R, **Valenzuela GJ**, Creasy GW, Merriman R. THE EFFECT OF OXYTOCIN ANTAGONIST ATOSIBAN ON PRETERM UTERINE ACITIVITY IN THE HUMAN. **Am J Obstet Gynecol**, 1994; 170:474-8.
66. Whitney E, Ducsay CA, **Valenzuela GJ**. IS UTERINE BLOOD FLOW CONTROLLED LOCALLY OR SYSTEMICALLY IN THE PREGNANT RABBIT. **Am J Obstet**

67. Torrealba F, Parraguez VH, Reyes T, **Valenzuela GJ**, Serón-Ferré M. PRENATAL DEVELOPMENT OF THE RETINOHYPOTHALAMIC PATHWAY AND THE SUPRACHIASMATIC NUCLEUS IN THE SHEEP. **J Comparative Neurology**. 1993 338 (2):304-16.
68. **Valenzuela, GJ**, Germain AM, Foster, TC-S. PHYSIOLOGY OF LABOR. **Current Reviews in Obstetrics and Gynecology** 1993; 5:640-6.
69. Umezaki H, **Valenzuela GJ**, Hess DI, Ducsay CA. FETECTOMY ALTERS MATERNAL ENDOCRINE AND UTERINE ACTIVITY RHYTHMS IN RHESUS MACAQUES DURING LATE GESTATION. **Am J Obstet Gynecol**. 1993; 169:1435-41.
70. **Valenzuela GJ**, Hewitt CW. ESTRADIOL EFFECTS ON PLASMA RENIN ACTIVITY AND ALDOSTERONE IN CHRONICALLY CATHETERIZED CASTRATED SHEEP. **J Dev Physiol** 1993; 19:213-5.
71. Ducsay CA, Serón-Ferré M, Germain AM, **Valenzuela GJ**. ENDOCRINE AND UTERINE ACTIVITY RHYTHMS IN THE PERINATAL PERIOD. **Sem. In Reproductive Endocrinology**. 1993; 11:285-94.
72. **Valenzuela GJ**, Craig J, Bernhardt MD, Holland ML. TRANSPLACENTAL PASSAGE OF AN OXYTOCIN ANTAGONIST IN HUMAN. **Am J Obstet Gynecol**, 1995; 172: 1304-6.
73. Andersen FH, **Valenzuela GJ**. RISK OF PRETERM DELIVERY IN PATIENTS WITH PRETERM LABOR ACCORDING TO CERVICAL EXAM. **Proceeding of the First World Congress in Labor and Delivery**. D. Weinstein and S. Gabbe, eds. Monduzzi Editore, 1994:247-250.
74. **Valenzuela GJ**, Hewitt CW, Ducsay CA. ENDOTHELIN-1 POTENTIATES THE IN VITRO CONTRACTILE RESPONSE OF PREGNANT HUMAN MYOMETRIUM TO OXYTOCIN. **Am J Obstet Gynecol**., 1995; 172 (5) :1573-6
75. Foster, T C-S, Flake B, Morton G, **Valenzuela GJ**. UMBILICAL ARTERY pH AND APGAR ON FETUSES THAT HAD ABNORMAL FETAL HEART RATE TRACINGS AND RESPONDED TO MEDICAL THERAPY. **Proceeding of the First World Congress in Labor and Delivery**. D. Weinstein and S. Gabbe, eds. Monduzzi Editore, 1994:257-259.
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- ADMINISTRATION TO PREGNANT SHEEP FAILS TO INDUCE INCREASES IN AMNIOTIC FLUID PROSTAGLANDINS OR LABOR. **Proceeding of the First World Congress in Labor and Delivery**. D. Weinstein and S. Gabbe, eds. Monduzzi Editore, 1994:471-474.
77. **Valenzuela GJ**, Roisenvitz B, Morton G, Comunale F, Missanelli J, Ducsay CA. NORMAL AMNIOTIC FLUID PH IN PATIENTS WITH PREMATURE LABOR. **Proceeding of the First World Congress in Labor and Delivery**. D. Weinstein and S. Gabbe, eds. Monduzzi Editore, 1994:261-264.
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ABSTRACTS PRESENTED

- I. Society for Gynecologic Investigation, 28th Annual Meeting St. Louis, Missouri, March 18-21, 1981
 1. **G.J. Valenzuela**, M.J.K. Harper, and G. S. Khodr. PROSTAGLANDIN (PG) E AND F PRODUCTION BY HUMAN VILLI, SEPTA AND DECIDUA IN CELL CULTURE.
- II. Society for Gynecologic Investigation, 30th Annual Meeting, Washington, D.C., March 17-20, 1983
 2. **G.J. Valenzuela**, T.M. Siler-Khodr, C.S. Khodr, LEVELS OF GNRH IN MATERNAL CIRCULATION DURING PREGNANCY.
 3. **G.J. Valenzuela**, T.M. Siler-Khodr, G.S. Khodr, M.J.K. Harper, B.H. Vickery & J.J. Nestor, DIFFERENTIAL INHIBITION OF \square HCG, HCG, PROGESTERONE, ESTROGENS AND PROSTAGLANDINS FROM EARLY AND MIDGESTATIONAL HUMAN PLACENTAL CULTURES BY A GNRH ANTAGONIST.
 4. T.M. Siler-Khodr, **G.J. Valenzuela**, G.S. Khodr, and M.J.K. Harper, HORMONAL RESPONSE TO GNRH IN VITRO FOR HUMAN PLACENTAS OF DIFFERENT GESTATIONAL AGES.
 5. **G.J. Valenzuela**, C.Y. Cheung, and L.D. Longo. CATECHOLAMINE RELEASE FROM FETAL ADRENAL MEDULLARY CELLS IN CULTURE: REGULATION BY HORMONES.
 6. **G.J. Valenzuela**, A. Johns, and R. Hayashi, RELATIONSHIP OF ENDOGENOUS MAGNESIUM AND CALCIUM LEVELS AND REQUIRED OXYTOCIN AUGMENTATION OF LABOR.
- III. Society of Perinatal Obstetricians, 4th Annual Meeting San Antonio, Texas, February 2-4, 1984
 7. **G.J. Valenzuela**, L.L. Woods, and R.A. Brace, BASELINE LYMPH FLOW RATE IN THE NEAR TERM PREGNANT SHEEP AND EFFECT OF TERBUTALINE.
- IV. Society for Gynecologic Investigation, 31st Annual Meeting, San Francisco, California, March 21-24, 1984
 8. **G.J. Valenzuela**, and L. D. Longo. BLOOD VOLUME AND CIRCULATING ESTROGENS IN THE PREGNANT RABBIT.
 9. **G.J. Valenzuela**, and B.J. Davidson. ESTROGEN TO PROGESTERONE RATIO IN UTERINE VS. PERIPHERAL VEIN IN WOMEN IN LABOR VS. NOT IN LABOR.
 10. **G.J. Valenzuela**, T.M. Siler-Khodr, G.S. Khodr, and M. Harper. PROSTAGLANDIN PRODUCTION BY THE HUMAN PLACENTA THROUGHOUT GESTATION.
 11. **G.J. Valenzuela**, L. Woods, and R.A. Brace. LYMPH FLOW RESPONSE TO FLUID

- V. Society of Perinatal Obstetricians, 5th Annual Meeting, Las Vegas, Nevada, January 31-February 2, 1985
12. **G.J. Valenzuela**, P.S. Dale, I. Hope, R.H. Hayashi. IS A CRITICAL FETAL MASS THE SIGNAL FOR LABOR?
- VI. Society of Perinatal Obstetricians, 6th Annual Meeting, San Antonio, Texas, January 30-February 1, 1986
13. **G.J. Valenzuela**, C. Hewitt, L. Munson, DECREASE OF MAGNESIUM IN WHITE BLOOD CELL OF WOMEN IN PREMATURE LABOR.
- VII. Society for Gynecologic Investigation, 33rd Annual Meeting, Toronto, Ontario, Canada, March 19-22, 1986
14. **G.J. Valenzuela**, B.J. Davidson, R.D. Murray, J.R.C. Challis, ESTROGEN, PROGESTERONE, PROLACTIN, PGE₂, PGF₂, PGFM AND 6-KETO-PGF₁ GRADIENTS ACROSS THE UTERUS IN WOMEN IN LABOR AND NOT IN LABOR.
15. **G.J. Valenzuela**, L. Munson and J.R. Farley. BONE ALKALINE PHOSPHATASE ACTIVITY DURING HUMAN PREGNANCY.
16. **G.J. Valenzuela**, H. Brar, Y. Do, H. Tam, R. Murray, L. Longo, M.L. Yonekura, W.A. Hsueh, ACTIVE AND INACTIVE RENIN (PRORENIN) IN NORMAL PREGNANCY: EVIDENCE OF THE UTERO-FETO-PLACENTAL UNIT AS THE MAJOR SOURCE OF ELEVATED CIRCULATING "PRORENIN" LEVELS.
17. **G.J. Valenzuela**, R.A. Brace. SYSTEMIC VASCULAR AND INTERSTITIAL SPACE RESPONSES TO FLUID ADMINISTRATION IN CASTRATED SHEEP.
- VIII. The Society of Perinatal Obstetricians, 7th Annual Meeting, The Hilton at Walt Disney World Village, February 5-7, 1987
18. M. H. Ascarelli, **G.J. Valenzuela**. IS TERM BREECH PRESENTATION ASSOCIATED WITH FETAL ACIDOSIS?
- IX. Society for Gynecologic Investigation, 34th Annual Meeting, Atlanta Georgia, March 18-21, 1987
19. **G.J. Valenzuela**, C. W. Hewitt, and L. D. Longo, ESTRADIOL (E₂) EFFECTS ON PLASMA RENIN ACTIVITY (PRA), ALDOSTERONE (ALDO), AND CARDIAC OUTPUT (CO) IN CHRONICALLY CATHETERIZED CASTRATED SHEEP.
20. **G.J. Valenzuela** and R.D. Gilbert. SYSTEMIC AND INTERSTITIAL VASCULAR RESPONSES TO ACUTE HEMORRHAGE IN NON-PREGNANT SHEEP.
21. **G.J. Valenzuela** and C.W. Hewitt. EFFECT OF PROTEIN MASS DEPLETION ON PLASMA VOLUME (PV), ARTERIAL PRESSURE (AP), LYMPH (LP), AND PLASMA (PP) PROTEIN.
22. H.S. Brar **G.J. Valenzuela**, B.J. Davidson, , Y. Do, W.A. Hsueh. CORRELATIONS OF INCREASES IN ATRIAL NATRIURETIC FACTOR (ANF), PLASMA RENIN ACTIVITY (PRA) AND ALDOSTERONE (ALDO) IN PREGNANCY.

23. **G.J. Valenzuela**, C.W. Hewitt and A.D. Graham. ANGIOTENSIN II (AII) INFUSION INCREASES THORACIC DUCT LYMPH FLOW IN THE CHRONICALLY CATHETERIZED SHEEP.
24. **G.J. Valenzuela**, T. Foster, J.D. Jacobson. OXYTOCIN AUGMENTATION OF LABOR: A COMPARISON OF 15 AND 30 MINUTES DOSE INCREMENTS INTERVALS.
- X. The Society of Perinatal Obstetricians, 8th Annual Meeting, Las Vegas, Nevada, February 3-6, 1988
25. **G.J. Valenzuela**, T. Foster, J. D. Jacobson. CHOICE OF TRIAL OF LABOR AFTER CESAREAN SECTION.
- XI. Society for Gynecologic Investigation, 35th Annual Meeting, Baltimore, Maryland, March 17-20, 1988
26. **G.J. Valenzuela**, C. Rea, and B.J. Davidson. ALDOSTERONE (ALDO) SPECIFIC BINDING TO MONOCYTES DURING HUMAN PREGNANCY.
27. **G.J. Valenzuela**. ANGIOTENSIN II INFUSION EFFECT ON THE LYMPH FLOW (LF) IN PREGNANT SHEEP.
28. **G. J. Valenzuela**, NEED FOR CAPILLARY PERMEABILITY ALTERATION TO EXPLAIN THE EDEMA OF PREGNANCY.
29. **G. J. Valenzuela**, R. A. Brace, and L. D. Longo, ACUTE ESTROGEN EFFECT ON FLUID DISTRIBUTION DURING VOLUME EXPANSION IN SHEEP.
30. L. Castro, H. Parvez, S. Parvez, **G.J. Valenzuela** and C. Hobel. PLASMA ATRIAL NATRIURETIC PEPTIDE LEVELS DURING THE RAT ESTROUS CYCLE, PREGNANCY, AND PUERPERIUM.
- XII. Society of Perinatal Obstetricians, 9th Annual Meeting, New Orleans, Louisiana, February 1-4, 1989
31. J. Jacobson, T. C-S Foster, S.S. Dale, and **G.J. Valenzuela**. USE OF REAL-TIME DATA ACQUISITION SYSTEM TO EVALUATE UTERINE ACTIVITY.
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San Diego, California, March 15-18, 1989
32. **G. J. Valenzuela** and S. Kim. ASSESSMENT OF THE UTERINE CIRCULATION AS AN ARTERIO-VEINUS (A-V) SHUNT IN THE PREGNANT RABBIT.
33. **G. J. Valenzuela** and S. Kim. ACUTE EFFECT OF ESTROGEN ADMINISTRATION ON LYMPH VESSEL CONTRACTILITY.
34. **G.J. Valenzuela**, H. W. Forbes, and J.G. Alonso. EFFECT OF WHOLE BODY PH CHANGES ON THORACIC DUCT LYMPH FLOW IN ANESTHETIZED SHEEP.
35. T. C-S Foster, G.J. Valenzuela, , R.H. Hayashi. CESAREAN SECTION RATES IN AN ETHNICALLY HOMOGENEOUS POPULATION WITH DIFFERENT PLACES OF ORIGIN.
- XIV. Society for Gynecologic Investigation, 37th Annual Meeting, St. Louis, Missouri, March 21-24, 1990

36. **G. J. Valenzuela**, H. Rauld, and L. D. Longo. PREGNANCY OR ESTRADIOL AVOIDS ALDOSTERONE "ESCAPE" IN CHRONICALLY CATHETERIZED RABBITS.
37. T.M. Siler-Khodr, G.S. Khodr, **G.J. Valenzuela** and I.S. Kang. ABNORMAL CIRCULATING MATERIAL GNRH CONCENTRATIONS IN PREGNANCIES ASSOCIATED WITH PIH OR DOWN'S SYNDROME.
- XV. Infectious Disease Society for Obstetrics-Gynecology, Annual Meeting, Stouffer Madison Hotel, Seattle, Washington, August 8-11, 1990
38. B. T. Oshiro, **G.J. Valenzuela**, CLINDAMYCIN IS EFFECTIVE AGAINST CHLAMYDIA CERVICITIS IN PREGNANCY.
- XVI. Society of Perinatal Obstetrics, 11th Annual Meeting, San Francisco, California, January 28-February 2, 1991
39. **G.J. Valenzuela**, M. Norburg, and C.A. Ducsay. ACUTE PARTIAL UTERINE BLOOD FLOW OCCLUSION INCREASES PROSTAGLANDIN F METABOLITE BUT NOT UTERINE CONTRACTIONS.
- XVII. Society of Perinatal Obstetrics, 12th Annual Meeting
Orlando, Florida, February 3-8, 1992
40. G.M. Morton, **G.J. Valenzuela**, T.C-S Foster. PROLONGED LABOR (>12 H) IS ASSOCIATED WITH A SIGNIFICANT DECREASE IN UMBILICAL ARTERY pH.
41. G.N. Gregerson, **G.J. Valenzuela**, J.D. Jacobson,. DOES NONCLOSURE OF BLADDER FLAP AT CESAREAN SECTION DECREASE FLUID COLLECTION AND INFECTIOUS MORBIDITY?
42. F. Mardones-Santander, G. Salazar, **G.J. Valenzuela** F. Mardones-Restat, J. Alvear. RELATION OF TOTAL MATERNAL WATER (TMW) ARTERIAL PRESSURE (AP) AND PROGESTERONE (PROG) TO NEWBORN WEIGHT (BW)..
- XVIII. Society for Gynecologic Investigation, 38th Annual Meeting, San Antonio, Texas, March 20-23, 1992
43. T.M. Siler-Khodr, G.S. Khodr, M.K. **G.J. Valenzuela**. Koong, I.S. Kang. ABNORMAL CIRCULATING MATERNAL GNRH CONCENTRATIONS IN PREGNANCIES HAVING POST-TERM PREGNANCY.
44. A. Germain, M. Ivankovic, A. Rioseco, M.F. **G.J. Valenzuela** Albert, M.L. Bustos, M Vergara, and M. Seron-Ferre. A CIRCADIAN RHYTHM IN THE PROGESTERONE/ESTROGEN RATIO PRECEDES THE ONSET OF THE RHYTHM IN THE UTERINE ACTIVITY IN HUMAN PREGNANCY.
45. **G.J. Valenzuela**, M. Norburg, C.W. Hewitt, and C.A. Ducsay. STEP-WISE UTERINE CIRCULATION OCCLUSION INCREASES ARTERIAL PRESSURE IN THE PREGNANT SHEEP.
46. M. Vergara, V.H. Parraquez, J. Fernandez, **G.J. Valenzuela** R. Riquelme, A.J. Llanos, M. Seron-Ferre. SWIFT RESPONSE OF PROLACTIN (PRL) TO CHANGES OF PHOTOPERIOD IN FETAL SHEEP.

47. T. Matsumoto, D.L. Hess, K.M. Kaushal, **G.J. Valenzuela** S.M. Yellon, and C.A. Ducsay. CIRCADIAN MYOMETRIAL AND ENDOCRINE RHYTHMS IN THE PREGNANT RHESUS MACAQUE IN CONSTANT LIGHT.
- XIX. Society for Gynecologic Investigation, 39th Annual Meeting
San Antonio, Texas, March 18-21, 1992
48. T.M. Goodwin, R.H. Paul, L. Miller, H. Silver, **G.J. Valenzuela** R. Chez, W. Spellacy, M. Parsons, R. Havashi, C. Mauck, L. North, R. Merriman EFFECT OF THE OXYTOCIN ANTAGONIST ATOSIBAN ON PRETERM LABOR - INITIAL U.S. TRIAL.
49. **G.J. Valenzuela**, S. Cheshire, G. Hunt, R. Hunt. EWES EXPERIENCE IN INCREASE IN LYMPHATIC PUMPING ABILITY DURING PREGNANCY.
- XX. Society of Perinatal Obstetrics, 13th Annual Meeting, San Francisco, California, February 8-13, 1993
50. A.L. Hardebeck, L.A. Power, I. Kjellin, T. C-S Foster **G.J. Valenzuela**. FETAL WEIGHT CORRELATION TO MATERNAL FRAME, FAT COMPOSITION AND BODY MASS INDEX.
51. **G.J. Valenzuela**, J. Craig, M.L. Holland, R. Weglein. NEWBORN OXYTOCIN ANTAGONIST (ATOSIBAN) LEVELS DURING MATERNAL INFUSION.
- XXI. Society for Gynecologic Investigation, 40th Annual Meeting, Toronto, Canada, March 31-April 3, 1993
52. H. Umezaki, D.L. Hess, **G.J. Valenzuela** and C.A. Ducsay. EFFECT OF FETECTOMY ON MATERNAL ENDOCRINE AND UTERINE ACTIVITY RHYTHMS IN PREGNANT RHESUS MACAQUES.
- XXII. Society for Gynecologic Investigation, 41st Annual Meeting, Chicago, Illinois, March 22-26, 1994
53. C.A. Ducsay, **G.J. Valenzuela** A-R. Fuchs, H. Umezaki. FETECTOMY SUPPRESSES MYOMETRIAL OXYTOCIN RECEPTOR CONCENTRATIONS IN PREGNANT RHESUS MACAQUES.
- XXIII. The First World Congress On Labor And Delivery, Jerusalem, Israel, July 3-7, 1994
54. H.F. Anderson, **G.J. Valenzuela** RISK OF PRETERM DELIVERY IN PATIENTS WITH PRETERM LABOR ACCORDING TO CERVICAL EXAM.
55. G. Morton, **G.J. Valenzuela**, B. Roisenvitz, , F. Comunale, L.D. Longo, and C.A. Ducsay. NORMAL AMNIOTIC FLUID pH IN PATIENTS WITH PREMATURE LABOR.
56. **G.J. Valenzuela**, T. C-S Foster, B. Flake, L. Lupo, CORD BLOOD GASES IN FETUSES WITH ABNORMAL HEART RATE TRACING THAT RESPONDED TO MEDICAL THERAPY.
57. C.A. Ducsay, H. Umezaki, **G.J. Valenzuela** and J. Manson. PHARMACOKINETICS AND EFFECTS OF MATERNAL ENALAPRILAT TREATMENT ON FETAL ADRENAL STEROID LEVELS IN THE THIRD TRIMESTER RHESUS MONKEY.
58. H. Umezaki, **G.J. Valenzuela** C.A. Ducsay. COMPARISON OF OXYTOCIN (OT) AND ENDOTHELIN-1 (ET-1) ON IN VITRO MYOMETRIAL CONTRACTILITY IN THE NEAR

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Committee on Agriculture
U.S. House of Representatives
Information Required From Non-governmental Witnesses

House rules require non-governmental witnesses to provide their resume or biographical sketch prior to testifying. If you do not have a resume or biographical sketch available, please complete this form.

1. Name: Guillermo J Valenzuela
2. Business Address: 400 N Pepper, Module 7
Colton, CA 92324
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4. Organization you represent: Arrowhead Regional Medical Center
5. Please list any occupational, employment, or work-related experience you have which add to your qualification to provide testimony before the Committee:
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6. Please list any special training, education, or professional experience you have which add to your qualifications to provide testimony before the Committee:
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