

CURRICULUM VITAE

Carlos Augusto Risco, DVM., Dipl. ACT
University of Florida
College of Veterinary Medicine
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PERSONAL

Birthdate: April 15, 1954, Camaguey, Cuba

Citizenship: USA

Marital status: Married (Otmara), three children: Carlos, Cristina and Jacqueline

EDUCATION

- **Academic Degree**

Doctor of Veterinary Medicine, University of Florida, College of Veterinary Medicine. 1980 (charter class).

Bachelor of Science in Dairy Science, University of Florida, College of Agriculture. 1976.

- **Specialty Board**

American College of Theriogenologists 1990.

PROFESSIONAL EXPERIENCE:

- **Chair and Professor**, Department of Large Animal Clinical Sciences, College of Veterinary Medicine, University of Florida, Gainesville, Florida. September 2012-present.
- **Professor**, Food Animal Reproduction and Medicine Section, Department of Large Animal Clinical Science, College of Veterinary Medicine, University of Florida, Gainesville, Florida. July 2002 - present
- **Associate Professor**, Rural Animal Medicine Section, Department of Large Animal Clinical Sciences, College of Veterinary Medicine, University of Florida, Gainesville, Florida. November 5, 1995 – June 30, 2002.
- **Assistant Professor**, Rural Animal Medicine Section, Department of Large Animal Clinical Sciences, College of Veterinary Medicine, University of Florida, Gainesville, Florida. June 1, 1990 - November 4, 1995.
- **Partner**, Chino Valley Veterinary Associates, Ontario California. October 10, 1981 – May 22, 1990.
- **Intern**, Chino Valley Veterinary Associates, Ontario California. July 26, 1980 - October 1, 1981.

LEADERSHIP DEVELOPMENT:

- Institute for Academic Leadership, The Florida State University, 2013.
- University of Florida's 2014-15 Advanced Leadership for Academics and Professionals program.

- The Food Systems Leadership Institute, Cohort 11, 2015-17.

AWARDS, HONORS:

- 2012: Sigma XI, The Scientific Research Society.
- 2009: Faculty Enhancement Opportunity Award, Office of the Provost, University of Florida.
- 2007: Teacher of the Year Award, Large Animal Medicine – Class of 2008.
- 2005: University of Florida Blue Key Distinguished Faculty Award for Teaching and Research.
- 2005: Carl Norden - Pfizer Distinguished Teaching Award, College of Veterinary Medicine.
- 2005: University of Florida College of Veterinary Medicine Alumni Achievement Award.
- 2004: Fulbright Visiting Scholar Grant (Argentina).
- 1996: Daniels Pharmaceutical Young Clinical Investigator Award.
- 1994: Large Animal Medicine Clinician of The Year - Class of 1994.
- 1992: Large Animal Medicine Clinician of The Year - Class of 1992.

TEACHING:

University of Florida, College of Veterinary Medicine

- **Professional Degree Courses:**

VEM 5201L	Large Animal Physical Diagnosis	8 lab hours /semester
VEM 5504	Preventive and Production Medicine	Coordinator
VEM 5277	Advanced Bovine Theriogenology	Coordinator
VEM 5278	Theriogenology	Coordinator
VEM 5931	Seminars in International Medicine	2 Lectures / Semester
VME 6934	Interdisciplinary Reproduction and Production Medicine Seminars	Coordinator
VEM 5352	Dairy Production Medicine	4 Lectures /Semester
VEM 5355	Ruminant Medicine	3 Lectures/Semester
VEM 5735	Food Animal Reproduction and Medicine Core Clinical Clerkship	
VEM 5835	Food Animal Reproduction and Medicine Elective Clinical Clerkship	

- **Undergraduate Courses:**

DAS 4411	Dairy Cattle Nutrition	4 hours/Semester
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ADVISEMENT, GUIDANCE

University of Florida, College of Veterinary Medicine

- Food Animal Reproduction and Medicine – Residency program coordinator: 1996 – 2012
- Chapter of the AVMA (SCAVMA) Adviser: 1994 - 1996, 2001 - 2003
- Graduate Students (selected)

Name	Degree	Department	Year / Role
Natalia Martinez	PhD	Veterinary Med.	2014: Co – Advisor
Rafael Bisinoto	PhD	Animal Science	2014: Committee member
Fabio Lima	PhD	Animal Science	2014: Committee member
Kathy Ariola	PhD	Animal Science	2012: Committee member

Ashley Sanders	PhD	Animal Science	2010: Committee member
Belen Rabaglino	MS	Veterinary Med.	2010: Major professor
Fabio Lima	MS	Veterinary Med.	2010: Major professor
Mauricio Benzaquen	MS	Veterinary Med.	2009: Major professor
Cristina Caldari	PhD	Animal Science	2009: Committee member
Flavio Silvestri	PhD	Animal Science	2009 - Committee member
Teresa Rodina	MS	Animal Science	2008 - Committee member
Julian Bartolome	PhD	Animal Science	2004 -Committee member
Eduardo Garbarino	MS	Veterinary Med.	2004 - Committee member
Pedro Melendez	PhD	Veterinary Med.	2003 - Committee member
Gina De Chant	MS	Veterinary Med.	1994 - Major professor

- Faculty Mentor

Name	Rank	Year
Gabriel Garcia (SACS)	Assistant Professor	2016 - Current
Klibs Galvao	Associate Professor	2009 – 2012
Fiona Maunsel	Assistant Professor	2009 – 2012

- Professional DVM Students Individualized Investigation (Selected)

Name	Class	Published
Emily Kunihiro	2011	J. Dairy Sci., 99: 1655-62.
Dinora Quiles	2009	J. Dairy Sci., 92: 1575-80.
Katherine Keathly	2009	J. Dairy Sci., 92: 5456-66.
Lauren Crescenzi	2009	J. Dairy Sci., 92: 5456-66.
Scott Seebohm	2002	J. Dairy Sci., 85: 3395-3402.

- Student Advisement (Selected)

Name	Class
Lia Missena	2018
Dale Kelly	2017
Michael Claudio	2015
Cassandra Brown	2015
Emily Kunihiro	2011
Genevive Duncklee	
Mary Sumling	
Amanda Elston	2010
Denise Morales	
Leslie Charles	
Mary Clinton	
Heather Woodruff	
Brent Casler	
Dinora Quiles	2009
Venus Appel	
Jennifer Frank	2008
Mandy Erickson	2007
Clinton Campbell	
Nick Schindler	

Wendy Knighton
Joel Spieller
Sarah Sprayberry
Scott Sebohm

2005

COMMITTEE APPOINTMENTS:

University of Florida

- Continuing Education Committee: 1991 – 1994.
- Academic Advancement Committee: 1992 – 1995 (Chair); 2013 -2013 (Chair)
- Multicultural Committee: 1993 - 1996.
- CVM Research Committee: 1994 - 1997.
- Student Search Committee for Chair Dept. of Large Animal Sciences: 1996.
- Admissions Committee, College of Veterinary Medicine: 1996 – 1999.
- Faculty Council: 2000 – 2003, 2004 - 2007 (Chair).
- Promotion and Tenure: 2000 – 2003.
- Search Committee for Chair Dept. of Animal Sciences: 2006.
- Search Committee for Dean, University of Florida, College of Veterinary Medicine: 2012.
- Search Committee for Associate Dean of Academic Affairs, University of Florida, College of Veterinary Medicine: 2017.
- University of Florida, College of Veterinary Medicine, Diversity and Inclusion Task Force: 2016 – present.
- University of Florida, Graduate School, Individual Development Plan Committee: 2016 – present.

PROFESSIONAL ORGANIZATIONS:

- American College of Theriogenologists (Diplomate, 1990).
- American Veterinary Medical Association.
- Society for Theriogenology.
- American Association of Bovine Practitioners.
- American Dairy Science Association.
- Florida Veterinary Medical Association.
- Florida Cattleman Association.

SERVICE IN UNIVERSITY/ PROFESSIONAL ORGANIZATIONS

- Reproduction Committee, American Association of Bovine Practitioners. 1982 - 1987.
- Board of Directors, Society for Theriogenology. 2003-2005.
- American College of Theriogenologists, Exam Committee: 2013-2019.
- Program Review of the Department of Veterinary Clinical Medicine, University of Illinois, College of Veterinary Medicine, April 26-28, 2015.

SCIENTIFIC REVIEWER:

- Journal of the American Veterinary Medical Association.
- Theriogenology, an International Journal of Reproduction (Board of Directors).
- Journal of Dairy Science.

- Journal of Animal Science.
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RESEARCH SUPPORT:

1. Risco, C.A., Galvao, K., Santos, J.E.P and Thatcher, W.W. 2011 Florida Dairy Farmers Check Off Research and Teaching Program. Crystalline Ceftiofur (EXCEDE) for Treatment of Retained Fetal Membranes in Dairy Cows. \$12,500 Principal Investigator.
2. Risco, C.A., Maunsel, F, Pinedo, P and Pena, G. 2010 Florida Dairy Farmers Check Off Research and Teaching Program. Evaluation of Mineral and Energy Status in Postpartum Dairy Cows at Risk to Develop Metritis. \$10,000 Principal Investigator.
3. Dahl, J and Risco C.A. Pfizer Animal Health Efficacy of Crystalline Ceftiofur for prevention of metritis in at risk dairy cows. \$26,000. Co-PI
4. Risco C.A. Pfizer Animal Health, Efficacy of Prostaglandin F 2 alpha and CIDR vaginal insert for estrus synchronization in lactating dairy cattle insert for estrus synchronization in lactating dairy catte. \$26,000. Principle Investigator
5. Risco, C.A and Thatcher, W.W. 2006 Florida Dairy Farmers Check Off Research and Teaching Program. Use of a Reproductive Management Program to Evaluate Reproductive Performance of Lactating Dairy Cows Without or With Subclinical Endometritis That are Treated Intrauterine With Ceftiofur HCl, \$25,700, Principal Investigator.
6. Risco, C.A and Thatcher, W.W. 2006 Florida Dairy Farmers Check Off Research and Teaching Program. Dynamics of breeding soundness and physical parameters in Holstein bulls used for natural service in dairy herds. \$10,800, Principal Investigator
7. Risco, C.A., Archbald, L.F and Thatcher, W.W. 2003 Florida Dairy Farmers Check Off Research and Teaching Program. The Value of Postpartum Rectal Temperature and Calving Status in the Prediction of Metritis and Milk Production in Dairy Cows. \$8,670, Principal Investigator.
8. Risco, C.A., Archbald, L.F and Thatcher, W.W. 2003 Florida Dairy Farmers Check Off Research and Teaching Program. Comparison of reproductive performance between natural service and artificial insemination dairy herds. \$4,200, Principal Investigator.
9. Risco, C.A. 2001 Pharmacia Animal Health. Retained Fetal Membranes in Dairy Cows: Treatment Comparison and Effect on Calcium and Energy Status. \$ 10,000. Principal Investigator.
10. Risco, C.A. 2000 Pharmacia and Animal Health. Multilocation Study on the Efficacy of Ceftiofur Sodium in the Treatment of Puerperal Toxic Metritis. \$33,000. Principal Investigator
11. Risco, C.A and Hernandez, J.A. 2000- USDA Current Research Information System (grant No. FLAV-CO-00218) Retained Fetal Membranes in Dairy Cow: Treatment Comparison and Effect on Calcium and Energy Status. \$ 2,000, 4-year duration. Principal Investigator.
12. Risco, C.A and Hernandez, J.A 1999 Pharmacia and Animal Health. Efficacy of Estradiol Cypionate in the Prevention of Metritis in Dairy Cows With Retained Fetal Membranes at Parturition. \$5,500. Principal Investigator.
13. Archbald, L.F., Morresey, P.R., Bartolome, J., Tran, T.Q., Risco, C.A and Thatcher, W.W. 1998 Florida Dairy Farmers Check Off Research and Teaching Program. Comparison of synchronization of ovulation and induction of estrus as therapeutic strategies for bovine ovarian cysts in the dairy cow. \$4,200. 1996 - Florida Dairy Farmers Check Off Research and Teaching Program. Effect of whole cottonseeds on health and reproduction of

- lactating dairy cattle. \$15,000, Principal Investigator
14. Thatcher, W.W., Risco, C.A and Staples, C.R. 1996 Florida Dairy Farmers Check Off Research and Teaching Program. Evaluation of Reproductive Performance of Lactating Dairy Cows Treated with Bovine Somatotropin. \$4,000. Co-Investigator
 15. Archbald, L.F., Risco, C.A., Tran, T.Q and Thatcher, W.W. 1996 Florida Dairy Farmers Check Off Research and Teaching Program Reproductive Performance of Lactation Dairy Cows Following the Use of Two Protocols for Synchronizing Estrus using Gonadotrophin-Releasing Hormone and Prostaglandin. \$5,200. Co-investigator. .
 16. Archbald, L.F., Risco, C.A., Tran, T.Q and Thatcher, W.W. 1996 Florida Dairy Farmers Check Off Research and Teaching Program. Reproductive performance of lactating dairy cows subjected to two schemes for synchronizing estrus using gonadorelin - releasing hormone (GnRH) and prostaglandin F2 alpha. \$5,000, Co-Investigator
 17. Donovan, D.A and Risco, C.A. 1995 Florida Dairy Farmers Check Off Research and Teaching Program. Nutritional etiologies of acute and subclinical laminitis in Florida dairy cows. \$21,000, Co- Investigator
 18. Risco, C.A. 1993 SANOFI Animal Health Products, Inc. Efficacy of an Escherichia coli vaccine for the control of coliform mastitis. \$5,700, Principal Investigator.
 19. Risco, C.A., Beede, D.K. 1992-1993 - Florida Dairy Farmers Check Off Research and Teaching Program. Effect of per oral calcium supplementation on postpartum dairy cows. \$6,800, Principal Investigator.
 20. Beede, D.K., Thatcher, W.W., Risco, C.A and Donovan, A.D. 1991 - Influence of Prepartum Dietary Cation-anion Difference on Postpartum Calcium Metabolism, Uterine Involution, Ovarian Function, and Reproductive and Lactational Performance. Milk Check-off Grant. 1991. \$27,500.
 21. Risco, C.A and Archbald, L.F. 1990 - Florida Dairy Farmers Check Off Research and Teaching Program. Effect of GnRH and prostaglandin on dairy cows with post-partum metritis. \$9,600, Principal Investigator.
 22. Risco, C.A, Thatcher, W.W and Staples, C.R. 1990 - University of Florida College of Veterinary Medicine Fall Consolidated Research Award. Effect of free gossypol content in cottonseed meal on bull fertility. \$6,700, Principal Investigator.
 23. Heath, S.E and Risco, C.A. 1990 - Florida Dairy Farmers Check Off Research and Teaching Program. The effect of oral selenium supplementation to third trimester pregnant cows and heifers. \$9,000, Co - Investigator.
 24. Risco, C.A. 1990 - U.S. Dept. of Agriculture Current Research Information System (CSRS Project). Nutrition and reproductive management of the postpartum dairy cow. \$ 2,500, five-year duration.
 25. Risco, C.A. 1989 1991 - National Cottonseed Products Association. Effect of graded levels of gossypol on calf performance. \$ 35,000, Principal Investigator.
 26. Risco, C.A and Thatcher, W.W. 1986 -1988 University of Florida Dairy Science Department (Grant from Virginia - Maryland Select Sires). Postpartum uterine involution and ovarian function in cows affected with retained fetal membranes, milk fever and uterine prolapse. \$3,000. Principal Investigator.

PUBLICATIONS:

Books:

1. Risco CA and Melendez P (Ed.). Dairy Cattle Production Medicine. Willey-Blackwell, Ames, Iowa. 2011.

2. Beede DK. (Ed.) Large Dairy Herd Management. Herd Health Section Editor, American Dairy Science Association, 2017.

Books chapter(s):

1. Smith BI and **Risco C.** Management of Periparturient Disorders in Dairy Cattle. In: Vet. Cl. North Amer. Food Anim. Prac. Bovine Theriogenology, W.B. Saunders, Philadelphia, Pa. 2005, Vol.21, No. 2, pp. 503-522.
2. **Risco C,** Youngquist R and Shore MD. Postpartum Uterine Infections In: Current Therapy in Large Animal Theriogenology 2. Saunders Elsevier, St. Louis, Missouri. Pp. 339.
3. **Risco C.** Enfermedades Metabólicas y Manejo del Postparto en Vacas Lecheras In: Terigenologia del Bovino, Modyeievsky Co. Buenos Aires, Argentina.
4. Drost M and **Risco C.** Obstetricia en el Bovino In: Terigenologia del Bovino, Modyeievsky Co. Buenos Aires, Argentina.
5. Melendez P and **Risco C.** Management of transition cow to optimize reproductive efficiency in dairy herds. Vet. Cl. North Amer. Food Anim. Prac. Bovine Theriogenology.
6. Melendez P and **Risco C.** An efficient feeding program optimizes fertility in dairy cattle. Manual for Livestock Production. University of Zulia, Venezuela (In Spanish).
7. **Risco CA** and Melendez P. Periparturient Disorders of Dairy Cattle. In: Roginski (ed). Encyclopedia of Dairy Sciences, Academic Press, Inc. 2001, pp. 2309-2314.
8. **Risco CA.** Management and Economics of Natural Service Bulls in Dairy Cattle. 2000. In: Dairy Cattle Reproduction, IVIS Electronic Textbooks (PJ Chenoweth Ed.), www.ivis.org
9. **Risco CA** and Archbald LF. Dairy Herd Reproductive Efficiency. In: Howard and Smith (ed) Current Veterinary Therapy, W.B. Saunders Co., Philadelphia, Pa. 1999, pp. 604-605.
10. **Risco CA** and Chase Jr CC. Gossypol Toxicity. In: D'Mello F.E. (ed) Handbook of Plant and Fungal Toxicant. CRC Press, Inc. 1997, pp. 97-98.
11. Donovan GA, **Risco CA** and Shearer JK. Assessment of the Mammary System. In: Wilson J.A. (ed.) The Veterinary Clinics of North America, Food Animal Practice, Physical Examination. W.B. Saunders Co., Philadelphia, Pa. 1992, pp. 361-372.
12. **Risco CA.** Calving Related Disorders. In: Wilcox CJ and VanHorn HH (ed.) Large Dairy Herd Health Management. University of Florida Press, Gainesville, FL. 1992, pp. 192-198.

Refereed Publications (resident, ¹graduate student², veterinary student³)

1. Pinedo P, Solanos K, Rodriguez F, Velez J, Schuenemann G and CA Risco. 2017. Effect of oral calcium administration on the cure and reproductive performance of Holstein cows diagnosed with puerperal metritis. J. Dairy Sci. Accepted.
2. Martinez N², Sinedino LDP, Bisinotto RS, Daetz, R, Lopera C, Risco CA, Galvao KN, Thatcher WW and JEP Santos. 2016. Effects of oral calcium supplementation on productive and reproductive performance in Holstein cows J. Dairy Sci. 99: 8417-8430.
3. Martinez N², Sinedino LDP, Bisinotto RS, Daetz, R, Lopera C, Risco CA, Galvao KN, Thatcher WW and JEP Santos. 2016. Effects of oral calcium supplementation mineral and acid-base status, energy metabolites, and health of postpartum dairy_cows. J. Dairy_Sci.

- 99: 8397-8416.,
4. Pena G¹, **Risco CA**, Kunihiro E, Thatcher MJ and PJ Pinedo. 2016. Effect of housing type on health and performance of preweaned dairy calves during summer in Florida. *J. Dairy Sci.*, 99: 1655-1662.
 5. Kelley DE², Ibarbia L, Daetz R, Bittar J, **Risco CA**, Santos JE, Ribeiro ES, and KN Galvão. 2015. Combined use of progesterone inserts, ultrasonography, and GnRH to identify and resynchronize nonpregnant cows and heifers 21 days after timed artificial insemination. *Theriogenology*. doi: 10.1016/j.theriogenology.2015.09.052.
 6. Jenkins NT³, Peña G, **Risco CA**, Barbosa CC, Vieira-Neto A and KN Galvão. 2015. Utility of inline milk fat and protein ratio to diagnose subclinical ketosis and to assign propylene glycol treatment in lactating dairy cows. *Can. Vet. J.* 56(8):850-4.
 7. Benzaquen M², Galvão KN, Coleman AE, Santos JEP, Goff JP and CA **Risco**. 2015. Effect of oral mineral and energy supplementation on blood mineral concentrations, energetic and inflammatory profile, and milk yield in dairy cows affected with dystocia. *Vet. J.* 204:186-191.
 8. Vercouteren M M, Bittar JH, Pinedo PJ, Risco **CA**, Santos JEP, Vieira-Neto A, and KN Galvão. 2015. Factors associated with early cyclicity in postpartum dairy cows. *J. Dairy Sci.* 98:229-239.
 9. Martinez N², **Risco CA**, Lima FS, Bisinotto RS, Greco LF, Ribeiro ES, Maunsell F, Galvao K, Santos JEP. 2012. Evaluation of peripartal calcium status, energetic profile, and neutrophil function in dairy cows at low or high risk of developing uterine disease. *J. Dairy Sci.*, 95:7158-7172.
 10. Hernandez JA, **Risco CA**, Lima FS², Santos JEP. 2012. Observed and expected combined effects of clinical mastitis and low body condition on pregnancy loss in dairy cows. *Theriogenology*, 77: 114-121.
 11. Pinedo P¹, Risco **C***, Melendez P. 2010. A retrospective study on the association between different lengths of the dry period and subclinical mastitis, milk yield, reproductive performance, and culling in Chilean dairy cows. *J. Dairy Sci.*, 94:106-115.
 12. Lima FS ^{1,2}, deVries A, * **Risco C A**, Santos JEP, Thatcher WW. 2010. Economic comparison of natural service and timed artificial insemination breeding programs in dairy cattle. *J. Dairy Sci.*, 94:4404-4413.
 13. Rabaglino MB,² **Risco CA**, * Thatcher M_J, Kim IHM, Santos JEP, Thatcher WW. 2010. Application of one injection of PGF2 α in the 5 d Co-Synch + CIDR protocol for estrous synchronization and resynchronization of dairy heifers. *J. Dairy. Sci.*, 93:1050-1058.
 14. Lima FS^{1,2}, Risco **CA**, * Thatcher MJ, Benzaquen ME, Archbald LF, Santos JEP, Thatcher WW. 2009. Comparison of reproductive performance in lactating dairy cows bred by natural service or timed artificial insemination. *J. Dairy Sci.*, 92:5456-5466.
 15. Pinedo PJ,¹ Melendez P, Villagomez-Cortez, JA, **Risco CA**. * 2009. Effect of high somatic cell counts on reproductive performance of Chilean dairy cattle. *Journal of Dairy Science*, 92:1575-1580.
 16. Melendez P, Rae O, **Risco CA**. 2007. Case Report – Urinary Bladder Rupture, Urolithiasis, and Azotemia in a Brangus Bull: a Herd Approach. *The Bovine Practitioner – Vol. 41, No. 2*, 121-128.
 17. Benzaquen ME ^{1,2}, **Risco CA**,* Archbald LF, Melendez P, Thatcher M-J, Thatcher WW. Thatcher. 2007. Rectal Temperature, Calving-Related Factors, and the Incidence of Puerperal Metritis in Postpartum Dairy Cows. *J. Dairy Sci.*, 90: 2804-2814.
 18. de Vries A and **Risco CA**. 2005. Trends and Seasonality of Reproductive Performance in

- Florida and Georgia Dairy Herds from 1976 to 2001. *J. Dairy Sci.*, 88: 3155-3162.
19. de Vries A, Steenholdt C ¹, **Risco CA**. 2005. Pregnancy rates and milk production in natural service and artificially inseminated dairy herds in Florida and Georgia. *J. Dairy Sci.*, 88: 948-956.
 20. Garbarino EJ,^{1,2} Hernandez JA, Shearer J.K, **Risco CA**, Thatcher WW. 2004. Effect of Lameness on Ovarian Activity in Postpartum Holstein Cows. *J. Dairy Sci.* 87:4123-4131.
 21. Bartolome JA, Melendez P ¹, Kelbert D, Swift K, McHale J., Hernandez JA, Silvestre F, **Risco CA**, Arteche ACM, Thatcher WW, Archbald LF. 2005. Strategic use of gonadotrophin-releasing hormone (GnRH) to increase pregnancy rate and reduce pregnancy loss in lactating dairy cows subjected to synchronization of ovulation and timed insemination. *Theriogenology* 63:1026-1037.
 22. Melendez P², Donovan GA, * **Risco CA**, Goff JP. 2004. Plasma mineral and energy metabolite concentrations in dairy cows fed an anionic prepartum diet that did or did not have retained fetal membranes after parturition. *Am. J. Vet. Res.* 65: 1071-1076.
 23. Melendez P ¹, Goff JP, **Risco CA**, Archbald L., Littell R., Donovan GA. * 2004. Effect of a Monensin Controlled-Release Capsule on Rumen and Blood Metabolites in Florida Holstein Transition Cows. *J. Dairy Sci.* 87:4182-4189.
 24. **Risco CA**, and Hernandez JA .2003. Comparison of Ceftiofur Hydrochloride and Estradiol Cypionate for Metritis Prevention and Reproductive Performance in Dairy Cows Affected with Retained Fetal Membranes. *Theriogenology* 60: 47-58.
 25. **Risco CA**, *, Adams AL, Seebohm S, Thatcher M.-J, Staples CR, Van Horn HH, McDowell LE, Calhoun MC, Thatcher WW. 2002. Effects of Gossypol from Cottonseed on Hematological Responses and Plasma α - Tocopherol Concentration of Dairy Cows. *J. Dairy Sci.*, 85:3395-3402.
 26. Pancarci SM, Jordan ER, **Risco CA**, Schouten MJ, Lopes F, Moreira F and Thatcher WW. 2002. Use of Estradiol Cypionate in a Presynchronized Timed Artificial Insemination Program for Lactating Dairy Cattle. *J. Dairy Sci.*, 85:122-131.
 27. Smith BI and **Risco CA***.2002. Therapeutic and Management Options for Postpartum Metritis in Dairy Cattle. *Compendium on Continuing Education*, Vo. 24, No. 10: S92 – S 100.
 28. Smith BI and **Risco CA** .2002 Predisposing Factors and Potential Causes of Postpartum Metritis in Dairy Cattle. *Compendium on Continuing Education*, Vo. 24, No. 9: S74 – S 80.
 29. Smith BI and **Risco CA** .2002. Clinical Manifestation of Postpartum Metritis in Dairy Cattle *Compendium on Continuing Education*, Vo. 24, No. 8: S56 – S 64.
 30. Melendez P,² Donovan, A, **Risco CA**, Hall BA, Littell R and Goff J .2002. Metabolic responses of Transition Cows fed Anionic Salts and Supplemented at Calving with Calcium and Energy. *J. Dairy Sci.* 85:1085 – 1092.
 31. Niles D, **Risco CA**, Thatcher MJ .2002. Seasonal Evaluation of Artificial Insemination and Natural Service Pregnancy Rates in California Dairy Herds. *Compendium for Continuing Education*. April: S44-S48.
 32. Hernandez JA, **Risco C**, Donovan A .2001. Association between *Neospora caninum* exposure and milk production in dairy cows. *J Am Vet Med Assoc* 219: 632-635.
 33. Thatcher WW, Moreira F, Santos JEP, Mattos RC, Lopes FL, Pancarci SM, **Risco CA** 2001. Effects of hormonal treatments on reproductive performance and embryo production. *Theriogenology* 55: 75-89.
 34. Moreira F, Orlandi C, **Risco CA**, Mattos RC, Lopes F, Thatcher WW. 2001. Effects of

- presynchronization and bovine somatotropin on pregnancy rates to a timed artificial insemination protocol in lactating dairy cows. *J. Dairy Sci.* 84: 1646-1659.
35. Bartolome JA, Hernandez J, Landaeta A, Kellerman A, **Risco CA**, Archbald LF .2000. Effect of interval from day of administration of bovine somatotropin (bST) to synchronization of ovulation and timed-insemination on conception rate of normal and cystic dairy cows. *Theriogenology* 53: 321-328.
 36. Bartolome JA, Archbald L F, Morreseey P, Hernandez J, Tran T, Kelbert D, Long K, **Risco CA**, Thatcher WW .2000. Comparison of synchronization of ovulation and induction of estrus as therapeutic strategies for bovine ovarian cysts in the dairy cow. *Theriogenology* 53: 815-825.
 37. Moreira F, **Risco CA**, Pires M, Ambrose J, Drost M, Thatcher WW .2000. Effect of Body Condition on Reproductive Efficiency of Lactating Dairy Cows Receiving a Time Insemination. *Theriogenology* 53:1305-1319.
 38. Moreira F, Risco CA, Pires M, Ambrose J, Drost M, Thatcher WW.2000. Use of Bovine Somatotropin in Lactating Dairy Cows Receiving a Timed Artificial Insemination. *J. Dairy Sci.* 83:1237-1247.
 39. Chenoweth PJ, Chase CC, Risco CA, Larsen RE. 2000. Characterization of Gossypol-Induced Sperm Abnormalities in Bulls. *Theriogenology* 53:1193-1203.
 40. Risco CA, Donovan GA and Hernandez J. 1999. Clinical Mastitis Associated with Abortion in Dairy Cows. *J. Dairy Sci.* 82:1684-1689.
 41. Hernandez J, Risco CA* and Elliot JB .1999. Effects of Oral Administration of a Calcium Chloride Gel on Blood Mineral Concentrations, Parturient Disorders, Reproductive Performance and Milk Production in Dairy Cows Affected with Retained Fetal Membranes. *JAVMA*, 215:72-76.
 42. Velasquez-Pereira J, **Risco CA**, McDowell LR, Staples CA, Prichard D, Chenoweth PJ, Martin FG, Calhoun MC, Williams SN and Wikinson NS .1999. Long-Term Effect of Feeding Gossypol and Vitamin E to Dairy Calves. *J. Dairy Sci.* 82(6): 1240-1251.
 43. Smith BI,^{1,2} Donovan GA, **Risco CA**, Littell R, Young C, Stanker LH, Elliott JB .1998. Comparison of Various Antibiotic Treatments for Cows Diagnosed with Toxic Puerperal Metritis. *J. Dairy Sci.* 81(6) 1555-1562.
 44. **Risco CA**, Moreira F, DeLorenzo M, Thatcher WW. 1998. Timed Artificial Insemination in Dairy Cattle - Part II. *Compendium on Continuing Education*, November, 20:11.
 45. **Risco CA**, Drost M, Archbald LF, Moreira F, de la Sota RL, Thatcher WW.1998. Timed Artificial Insemination in Dairy Cattle - Part I. *Compendium on Continuing Education*, October, 20:10.
 46. **Risco CA**, Chenoweth PJ, Smith BI, Velez JS, Barker RB .1998. Management and Economics of Natural Service Bulls in Dairy Herds. *Compendium on Continuing Education*, March, 20:3.
 47. Velasquez-Pereira J, McDowell LR, **Risco CA**, Prichard D, Martin FG, Calhoun MC, Williams SN, Wikinson NS, Ogebe P .1998. Effects on Performance, Tissue Integrity, and Metabolism of Vitamin E Supplementation for Beef Heifers Fed a Diet That Contains Gossypol. *J. Anim. Sci.* 76:2871-2883.
 48. Velasquez-Pereira J, Chenoweth PJ, McDowell LR, **Risco CA**, Staples CA, Prichard D, Martin FG, Calhoun MC, Williams SN, Wikinson NS .1998. Reproductive Effects of Feeding Gossypol and Vitamin E to bulls. *J. Anim. Sci.* 76:2894-2904.
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- sub-clinical endometritis and its relationship to fertility in the postpartum dairy cow. *Theriogenology* 49: 1425-1436.
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 51. Garcia-Bojalil CM, Staples CR, **Risco CA**, Savio JD, Thatcher WW. 1998. Protein Degradability and Calcium Salts of Long-Chain Fatty Acids in the Diets of Lactating Dairy Cows: Productive Responses. *J. Dairy Science*, 81:1385-1395.
 52. Garcia-Bojalil CM, Staples CA, **Risco CA**, Savio, Thatcher WW. 1998. Protein Degradability and Calcium Salts of Long-Chain Fatty Acids in the Diets of Lactating Dairy Cows: Productive Responses. *J. Dairy Science*, 81:1374-1384.
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- Fever and Retained Fetal Membranes. *Theriogenology*, 42(1):183-203.
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 71. **Risco CA** and Reynolds JR. 1988. Uterine Prolapse in Dairy Cows. *Compendium on Continuing Education*, 10(9):1138-1142.
 72. **Risco CA**, Reynolds JR, Hird DE. 1984. Uterine Prolapse and Hypocalcemia in Dairy Cows. *JAVMA*, 185(12):1510 - 1513.

Non-refereed

1. **Risco C A**. Management of Hypocalcaemia & Negative Energy Balance in Dairy Cows. Proceedings of the 2010 Western Veterinary Conference, February, 15- 18, Reno, Nevada.
2. **Risco C A**. Current Concepts in the Treatment of Calving Related Problems in Dairy Cows. Proceedings of the 2010 Western Veterinary Conference, February, 15- 18, Las Vegas, Nevada.
3. **Risco C A**. Optimizing Reproductive Efficiency in Dairy Heifers. Proceedings of the 2010 Western Veterinary Conference, February, 15- 18, Las Vegas, Nevada.
4. **Risco CA**. Looking for Sick Cows. Proceedings 2005 Florida Dairy Reproduction Road Show, Okeechobee and Chipley, FL, February, 2-5.
5. **Risco CA**. Management of the Postpartum Dairy Cow Proceedings 2004 Florida Dairy Reproduction Road Show, Okeechobee and Chipley, FL, March 2-5.
6. de Vries Albert and **Risco Carlos A**. Pregnancy rates in natural service and artificially inseminated dairy herds. West Florida Dairy Production Conference, Chipley, FL., November 23, 2004, 6 pages.
7. **Risco CA** and Barker R. Economics and Management of Natural Service in Dairy Herds, Proceedings of the North American Veterinary Conference, January 2000. pp – 20-25.
8. **Risco CA**, Moreira F and Thatcher WW. Relationship between Postpartum Energy Status and Pregnancy Rates in Dairy Cows. Hoards Dairymen, April 15, 2000. pp 15-17.
9. Thatcher WW, Mattos R, Staples CR, Moreira F and **Risco CA**. Novel concepts for integration of reproductive and nutritional management to optimize fertility in lactating dairy cows. Shur-Gain Ruminant Technical Services Seminar, November 29, 2000, Stratford, Ontario, Canada, pp 1-22

10. Thatcher WW, Moreira F and **Risco CA**. New strategies to increase pregnancy rates. Proceedings of the 37th Annual Florida Dairy Production Conference, University of Florida, Gainesville, FL May 2-3, 2000, pp 60-76.
11. **Risco CA**, Moreira F and Thatcher WW. The Effect of Postpartum Calcium and Energy Status on Pregnancy Rate of Lactating Dairy Cows, Split Session of the American Association of Bovine Practitioners and Society of Theriogenology, Proceeding of the American Association of Bovine Practitioners, Nashville, N, September 21-25, 1999. pp 40-44.
12. **Risco CA**. Dairy Cattle Obstetrics Seminar: Management of the Postpartum Dairy Cow. American Association of Bovine Practitioners Proceedings, Nashville, T N, September 21-25, 1999.
13. **Risco CA**, Moreira F and Thatcher WW. Effect of Postpartum Energy and Calcium Status on Reproductive Performance of Dairy Cows. Proceeding American Association of Bovine Practitioners, Nashville, N. September 1999. pp 23 –28.
14. **Risco CA**. Reproductive Management of Dairy Cows During Periods of Heat Stress. Proceedings of the IV International Conference on Nutrition and Management of the Dairy Cow, Torreon, Coah, Mexico, November, 12-14, 1998. pp 17 – 21.
15. Thatcher WW, Moreira F, Ambrose D, and **Risco CA**. Use and economic impact of Ovsynch/TAI. Southeast Dairy Herd Management Conference, Macon, GA. November 9-10, 1998, pp. 159-184.
16. Thatcher WW, **Risco CA**, and Moreira F. Practical manipulation of the estrous cycle in dairy animals. Proceedings American Association of Bovine Practitioners, 31st Annual Conventions, pp. 34-50. September 24-26, 1998. Spokane, Washington.
17. Thatcher, WW, Moreira F, Staples CR, **Risco CA**, Diaz T, Ambrose JD, and Adams A. Fisiologia Y Endocrinologia De La Reproduccion Para Mejorar La Eficiencia Reproductiva en El Ganado Bovino. En: Mejora de la Ganaderia Mestiza de Doble Proposito. C.Gonzalez-Stagnaro, N. Madrid-Bury and E. Soto Belloso, eds., Impreso en Ediciones Astro Data S.A. Maracaibo (Venezuela). Cap. XXII: 443-480.
18. **Risco CA**. Inseminacion a Tiempo Fijo en Ganado Lechere. Proceedings of DIGAL, Delicias. Chihuahua, Mexico. September 12-14, 1998.
19. Thatcher, WW, Moreira F, Ambrose JD, **Risco CA**, Staples CR, Burke JM, de la Sota RL, and Delorenzo MA. Advances in animal reproduction and embryo transfer in cattle. Asociacion Peruana de Produccion Animal XX Reunion Cientifica Annual. At Universidad Nacional Agraria de la Selva, Facultad de Zootecnia, Tingo Maria, Peru. Memorias. September 15-20, 1997, pp. 91-101.
20. McDowell LR, Velasquez-Perreira J, **Risco CA**, Chenoweth PJ, Prichard D, Hill GM, Wilkinson NS, Staples CR and Williams SN. Benefits of supplemental vitamin E including relationship to gossypol. Proceedings of the 7th Annual Ruminant Nutrition Conference, University of Florida, Gainesville, FL. January 1996.
21. Thatcher WW, Schmitt E J-P, de la Sota R L, Burke J, **Risco CA**, Staples C R and Drost M. Ovarian follicular development in the post-partum period: Anestrus, effects of energy balance, nutrition and body condition on follicle development and fertility in postpartum lactating cows. Proc. 11th Internat. Symp. Anim. Repro., Inst. Anim. Repro. at Cordoba, Cordoba, Argentina, pp. 23-51.
22. Burke JM, Staples CR, **Risco CA** and Thatcher WW. Effect of feeding a ruminant grade menhaden fishmeal on productive and reproductive performance of lactating dairy cows. Proceedings of the 7th Annual Ruminant Nutrition Conference, University of Florida,

- Gainesville, FL. January 1996.
23. **Risco CA**, Reynolds JR. Uterine Prolapse in Dairy Cows. Compendium on Continuing Education, 10:9, 1138-1142, 1988. 32nd Annual Fla. Dairy Prod. Conference. April 11-12, 1995, pp. 146-154.
 24. Thatcher WW, Schmitt EJ-P, Burke J, de la Sota RL, **Risco CA**, Staples CR and Drost M. Dynamics and control of ovarian follicular and luteal development in cattle to optimize fertility. XXIII Jornadas Uruguayas De Buiatria Paysandu, R.O. U., June 15-17, 1995, c1-c17.
 25. Thatcher WW, Schmitt EJ-P, Burke J, **Risco CA**, Staples CR, de la Sota RL and Drost M. Prospects for timed insemination. Proc. of the 32nd Annual Fla. Dairy Prod. Conference. April 11-12, 1995, pp. 146-154.
 26. **Risco CA**. Understanding Gossypol Toxicosis in Ruminants. Proceedings of the 4th Annual Ruminant Nutrition Conference, University of Florida, Gainesville, Fl. January, 1993.
 27. Thatcher WW and **Risco CA**. 1993. Reproductive management decisions to optimize herd fertility. Proc. of the 30th Annual Florida Dairy Production Conference. pp. 75-91. Proceedings of the 30th Annual Florida Dairy Production Conference, University of Florida, Gainesville, April 28-29.
 28. Staples CR, Garcia C, Oldick BS, Thatcher WW and **Risco CA**. Protein Intake and Reproductive Performance of Dairy Cows: A Review, A Suggested Mechanism, and Blood and Milk Urea Measurements. 1993, Ruminant Nutrition Symp. pp 37-52
 29. Beede DK, **Risco CA**, Donovan GA, Wang C, Archbald LF, and Sanchez WK. Nutritional Management of the Late Pregnant Dry Cow with Particular Reference to Dietary Cation-Anion Difference and Calcium Supplementation. In: Proc. 24th Annual Convention American Association of Bovine Practitioners.
 30. **Risco CA**. Role of a Veterinarian in a Successful Reproductive Program. Case History Report. The Upjohn Co. Kalamazoo, Mi. Summer 1988. pp 3-6.
 31. **Risco CA**. Repeat Breeders. Agribusiness Dairyman, January, pg. 21-24, 1988.
 32. **Risco CA**. Effect of Heat Stress on Reproduction. Agribusiness Dairyman, June, 1987, pg 32- 34.

INVITED LECTURES:

National: (* Paper submitted for Conference Proceedings)

1. Uterine Prolapse in Dairy Cattle. Society for Theriogenology Denver, Colorado. October 20 -23, 1984.
2. Reproductive Herd Health Management in Dairy Cattle. 28th Annual Dairy Production Conference, University of Florida, Gainesville, Florida. April 5-7, 1990.
3. Gossypol Toxicosis in Calves. National Cottonseed Products Association Research Conference, Little Rock, Arkansas. October 10-13, 1990.
Hypocalcemia Related Disorders in Dairy Cattle. North American Veterinary Conference, Orlando, Florida. January 11-15,, 1991.
4. Calving Related Disorders in Dairy Cattle. Large Dairy Herd Management Symposium, Gainesville, Florida. February 7-8, 1992. *
5. Management and Nutrition of the Prepartum Dairy Cow. Mississippi-Louisiana Dairy Management Conference, McComb Mississippi. November 10-13, 1992.
6. Gossypol Toxicosis in Ruminant Livestock. Ruminant Nutrition Conference, Gainesville, Florida. January 21-23,1993. *

7. Heat Stress Management in Dairy Cattle. Latin American Dairy Cattle Reproduction
8. Conference, Sire Power, Inc., Tunkhanock, Pa. September 20-24, 1992.
9. Metabolic Disorders in Dairy Cattle. North American Veterinary Conference, Orlando Florida. January 11-15,1993. *
10. Use of Oral Calcium Supplements in Dairy Cows. Large Dairy Herd Management Symposium, Gainesville, Florida. April 7-9,1994. *
11. Postpartum Anestrus in Dairy Cows. Society for Theriogenology Annual Conference, Kansas City, Missouri. August 20-23, 1994. *
12. Dry Cow Management and Calving Related Disorders, Academy of Dairy Veterinary Consultants, Las Vegas, Nevada. April 10-12,1995. *
13. Management of the Postpartum Dairy Cow, Yakima Valley Dairy Producers Association Annual Conference, Yakima Washington, November 7-9, 1995.
14. Economics and Management of Natural Service in Dairy Herds, American Association of Bovine Practitioners Annual Meeting, San Diego Ca., September 17-20,1996. *
15. Postpartum Reproductive Management of Dairy Cattle and Timed Artificial Insemination in Dairy Cattle, North American Veterinary Conference, Orlando Florida, January 11-14,1997. *
16. Management of the Postpartum Dairy Period in Dairy Cattle, Minnesota Veterinary Medical Association Meeting, Minneapolis Mn, February, 10-13,1997.
17. Nutritional Management of the Prepartum Transition Dairy Cow and its Relation to Calving Related Disorders, Management of Postpartum Metritis in Dairy Cows. The Northeast Veterinary Dairy Symposium, Rochester NY, October 15-18, 1997.
18. Dairy Cattle Obstetrics Seminar and Shortcourse, AABP Annual Meeting, Spokane, Washington, September 12-16, 1998.
19. Management of the Postpartum Transition Dairy Cow to Maximize Fertility, Timed Artificial Insemination in Dairy Cow, Alltech Dairy Short Course, Boise, Idaho, October 26-28, 1998.
20. Supplements in Postpartum Cows, The Postpartum Dairy Cow, Timed Artificial Insemination in Dairy Cows, The Effect of Gossypol from Cottonseed Products, 71st Annual Western Veterinary Conference, Las Vegas, Nevada, February 14-18, 1999.
21. Dairy Cattle Obstetrics Seminar and Shortcourse, AABP Annual Meeting, Nashville, Tennessee, September 21 - 25, 1999.
22. The Effect of Postpartum Calcium and Energy Status on Pregnancy Rate of Lactating Dairy Cows, Split Session of the AABP and Society of Theriogenology Annual Meeting, Nashville, Tennessee, September 23-25, 1999. *
23. Management of the Postpartum Dairy Cow to Maximize Fertility, Clinical Forum, AABP Annual Meeting, Nashville, Tennessee, September 23-25, 1999.
24. Economics and Management of Natural Service in Dairy Herds, The North American Veterinary Conference, January 12- 16, 2000. *
25. Reproductive Herd Health Programs in Dairy Cattle, Georgia Veterinary Conference, April, 2000, Athens, Georgia.
26. Application and Economics of Timed Artificial Insemination in Dairy Cattle. Monsanto Conference for Dairy Practitioners. May 23 - 26, 2000 Tulare, California.
27. Dairy Cattle Obstetric Shortcourse, AABP Annual Meeting, Rapid City, South Dakota, September 20 - 24, 2000. **Coordinator**
28. Management of the Postpartum Dairy Cow to Maximize Fertility, Clinical Forum, AABP Annual Meeting, Rapid City, South Dakota, September 20 - 24, 2000.

29. The Puerperium of the Dairy Cow, Ohio Dairy Veterinarian Conference, January 5 - 7, 2001, Columbus, Ohio. *
30. Application and Economics of Ultrasonography in Dairy Cattle, The North American Veterinary Conference, January 13-17, Orlando, Florida. *
31. Estrus Synchronization Programs in Dairy Cattle Production Medicine. Monsanto Conference for Dairy Practitioners, January 22- 24, 2001, Monterrey, California. *
32. Management of the Postpartum Dairy Cow, Economics and Application of Timed Artificial Insemination in Dairy Cows, The Effect of Mastitis in Reproductive Performance of Dairy Cows, Correlation between Protein Intake and Fertility in Dairy Cattle. 73rd Annual Western Veterinary Conference, Las Vegas, Nevada, February 16-19, 2001. *
33. Management of the Postpartum Dairy Cow to Maximize Pregnancy Rates at First Service. California Dairy Practitioners Meeting, Sponsored by Pharmacia Animal Health, San Diego, California, August 8-10, 2001.
34. Preventing Calving Related Disorders in Dairy Cattle, Maximizing Pregnancy Rates in Dairy Cattle, Ovulation Synchronization Programs in Dairy Herds, Management and Economics of Natural Service Programs in Dairy Cattle, The Effects of Clinical Mastitis on Reproductive Performance of Dairy Cattle, Managing Heat Stress in Dairy Farms, Diagnosing Pregnancy and Examining the Reproductive Tract in Dairy Cows with Ultrasonography. 2001 Central Veterinary Conference, Kansas City, Missouri, August 24-26, 2001. *
35. Dairy Cattle Obstetrics Shortcourse, Pre Seminar Conference, AABP Annual Meeting, Vancouver, Canada, September 13-17, 2001. **Coordinator.**
36. Dairy Cattle Obstetrics Shortcourse, Pre Seminar Conference, AABP Annual Meeting, Madison, WI, September 12-17, 2002. **Coordinator.**
37. Management of the Periparturient Dairy Cow and Newborn Calf, Pre-Seminar Conference, AABP Annual Meeting, Columbus, OH, September 20-23, 2003. **Coordinator.**
38. Management of the Transition Dairy Cow. Western States Dairy Conference, February 16-18, 2004 Las Vegas Nevada.
39. Management of the Postpartum Dairy Cow. Reproduction Road Show, Ocala, Okeechobee, Mayo and Chipley Florida, March 2-5, 2004. *
40. Management of Natural Service on Dairy Farms, Uterine Infections in Dairy Cattle, Practical Breeding Soundness Evaluation in Bulls. Cornell Summer Dairy Institute. July 19, 2004, Ithaca, NY. *
41. Management of Natural Service Dairy Herds. Clinical Forum for Dairy Practitioners, July 7, 2004, Tulare, Ca. *
42. Management of the Postpartum Dairy Cow. Florida Dairy Reproduction Road Show, Okeechobee and Chipley, FL, March 2-5, 2004. *
43. Looking for Sick Cows. Proceedings 2005 Florida Dairy Reproduction Road Show, Okeechobee and Chipley, FL, February 2-5, 2005. *
44. Management of Post-Partum Disorders. Alltech Pre-Convention Symposium, Western Dairy Management Conference, Reno Nevada, March 8, 2005.
45. Management of Natural Service on Dairy Farms, Uterine Infections in Dairy Cattle, Practical Breeding Soundness Evaluation in Bulls. Cornell Summer Dairy Institute. July 21, 2005, Ithaca, NY.
46. Management of the Periparturient Dairy Cow and Newborn Calf, Pre-Conference Seminar, AABP Annual Meeting, Salt Lake City, Utah, September 17, 2005. **Coordinator.**
47. Management of Natural Service on Dairy Farms, Uterine Infections in Dairy Cattle,

- Practical Breeding Soundness Evaluation in Bulls. Cornell Summer Dairy Institute. July 5, 2006, Ithaca, NY. *
48. Managing Reproduction in Heat Stressed Cows, Management Strategies for Maximizing Pregnancy Rates in Dairy Cattle, Management of Natural Service to Maximize Pregnancy Rates, Application and Economics of Ultrasonography in Dairy Practice. AVMA, Annual Conference, Honolulu, Hawaii, July 15-18, 2006. *
 49. Management of the Periparturient Dairy Cow and Newborn Calf, Pre-Conference Seminar, AABP Annual Meeting, St. Paul, Minn, September 20, 2006. **Coordinator.**
 50. Monitoring Postpartum Health, Management of Uterine Infections, Effect of Mastitis on Reproduction. Ohio State Certificate Program in Dairy Production Medicine. December 6 – 8, 2006, Wooster, Ohio. *
 51. 1st Student Clinical Survival Program, Society for Theriogenology Annual Meeting, Monterey, Ca, Aug. 11th, 2007. *
 52. Management of Natural Service Breeding Programs in Dairy Herds. 2009. Annual Western Dairy Conference, Reno, Nevada. Apr. 5- 9. *
 53. Management of Hypocalcaemia & Negative Energy Balance in Dairy Cows. 2010 Western Veterinary Conference, February 15- 18, Las Vegas, Nevada. *
 54. Current Concepts in the Treatment of Calving Related Problems in Dairy Cows. 2010 Western Veterinary Conference, February 15- 18, Las Vegas, Nevada. *
 55. Optimizing Reproductive Efficiency in Dairy Heifers .2010 Western Veterinary Conference, February 15- 18, Las Vegas, Nevada. *
 56. Current Concepts in the Treatment of Calving Related Problems in Dairy. March 15-18, 2010 North East Veterinary Conference, Storrs, Connecticut. *
 57. Optimizing Reproductive Efficiency in Dairy Heifers. March 15-18, 2010 North East Veterinary Conference, Storrs, Connecticut. *
 58. Management of the transition dairy cow to optimize health and reproductive performance. Dairy Wellness Summit, June 21-22, Des Moines, Iowa.
 59. Management of the postpartum period in dairy cows. Cornell Summer Dairy Institute, July 1-2, 2010, Ithaca, New York. *
 60. Management of heat stress in dairy cows. Cornell Summer Dairy Institute, July 1-2, 2010, Ithaca, New York. *
 61. Opportunities for management of multicultural dairy farm employee. Cornell Summer Dairy Institute, July 1-2, 2010, Ithaca, New York. *
 62. Dairy cattle obstetrics. Cornell Summer Dairy Institute, July 1-2, 2010, Ithaca, New York. *
 63. Management considerations to lower the cost of metritis in dairy cows. Dairy Wellness Summit, Grand Rapids, Michigan, Aug 30 – Sept. 1, 2010. *
 64. Understanding and management of risk factors for metritis. Dairy Wellness Summit, Sept 23, 2010, Orlando, Florida.
 65. Improving reproductive outcomes through synchronization protocols. Dairy Wellness Summit, Sept 23, 2010, Orlando, Florida. *
 66. Postpartum health monitoring strategies to optimize health and reproductive performance in dairy cattle. Dairy Wellness Summit, Nov. 29-30, Minneapolis, Minn.*
 67. Management of the postpartum period in dairy cows. Cornell Summer Dairy Institute, July 27-29, 2011, Ithaca, New York. *
 68. Management of heat stress in dairy cows. 2010. Cornell Summer Dairy Institute, July 27-

- 29, 2011, Ithaca, New York. *
69. Opportunities for management of multicultural dairy farm employees.2010. Cornell Summer Dairy Institute, July 27-29, 2011, Ithaca, New York. *
70. Dairy cattle obstetrics. Cornell Summer Dairy Institute, July 27-29, 2011, Ithaca, New York. *

International: (* Paper submitted for Conference Proceedings)

1. Reproductive Herd Health Programs in Dairy Cattle. Dominican Republic Symposium on Dairy Cattle Fertility, Santo Domingo, Dominican Republic. March, 2-5, 1993.
2. Optimizing Reproductive Performance in Dairy Cattle. Conference on Optimizing Dairy Cattle Reproduction in Tropical Climates, San Jose, Costa Rica, Sponsored by Sire Power Inc. Tunkhanock, Pa. March, 15-18, 1994.
3. Hypocalcemia Related Disorders in Dairy Cattle, Heifer Replacement Management, Reproductive Herd Health Programs in Dairy Herds. XIV Pan American Congress on Veterinary Sciences, Acapulco, Mexico. October, 7-10, 1994. *
4. Reproductive Herd Health Programs in Dairy Herds, Metabolic Disorders in Dairy Cattle that Affect Reproductive Performance. Conference on Reproductive Herd Health Management in Dairy Herds, Chiriqui, Panama, Sponsored by The United States Holstein Association, Brattleboro, Vt. January, 5-9, 1995. *
5. Maximizing Reproductive Efficiency in Dairy Cattle, Aguascalientes, Mexico, Sponsored by Wisconsin Department of Agriculture. March, 12-15, 1995.
6. Effect of Calving Related Disorders in Dairy Cattle and Artificial Timed Insemination in Dairy Cattle, XX National Congress of Buiatrics, Mexican Association of Bovine Practitioners, Acapulco, Mexico, August, 7-10, 1996. *
7. Optimizing Reproductive Efficiency in Dairy Herds, Caribbean Veterinary Medical Association Annual Meeting, Santo Domingo, Dominican Republic, February, 8-11, 1997.
8. Nutrition and Management of the Prepartum Dairy Cow, The Effect of Gossypol on Male Reproduction, VII International Symposium on Bovine Reproduction, Mexico City, Mexico, May, 17-20, 1997. *
9. The Bovine Puerperium, Leptospirosis, Workshop on Bovine Reproduction for Veterinarians, Colonia, Uruguay, July, 15-18, 1997. *
10. Artificial Insemination vs Natural Service In Hot Weather: Advantages and Disadvantages. Second International Tropical Dairying Symposium, San Juan, Puerto Rico, June, 7-10, 1998. *
11. Economics of Timed Artificial Insemination in Dairy Cattle, First International Conference Management Strategies for Dairy Producers (DIGAL), Delicias, Chihuahua, Mexico, September 10 -12, 1998.
12. Reproductive Management of Dairy Cows During Periods of Heat Stress, IV International Conference on Nutrition and Management of the Dairy Cow, Torreon, Coah, Mexico, November, 12-14, 1998.
13. Post-partum Management of the Dairy Cow to Maximize Pregnancy Rate to First Service, Economical Implication. 15th International Conference on Dairy Cattle (CIGAL), Mexico City, Mexico, August 11 -13, 1999. *
14. Effect of Calcium and Energy Status During the Postpartum Period on Reproductive Performance in Dairy Cows. IX Zootechnology Congress, Porto, Portugal, November, 11 - 13, 1999. *
15. Reproductive Efficiency in Dairy Cattle, Management of the Postpartum Dairy Cow to

Maximize Pregnancy Rate.

16. First Seminar on Managing Dairy Cattle in the Tropics, San Salvador, El Salvador. December 1 - 3, 1999.
17. Management and Nutrition of Dairy Cows to Prevent Calving Related Disorders, Economics and Application of Timed Artificial Insemination in Dairy Cows. ANEMBE VI Congreso Internacional de Medicina Bovina, Santiago, Spain, June 13 - 18, 2000. *
18. Management of the Postpartum Period to Maximize Pregnancy Rates in Dairy Cattle. XXI World Buiatrics Congress, Punta del Este, Uruguay, December 4-8, 2000. *
19. Reproductive Herd Health Programs in Dairy Herds, Metabolic Disorders in Dairy Cattle that Affect Reproductive Performance. Conference on Reproductive Herd Health Management in Dairy Herds, Chiriqui, Panama, Sponsored by The United States Holstein Association, Brattleboro, Vt. June, 2003.
20. New Strategies in the use of the OvSynch Timed Artificial Insemination Program to Maximize Reproductive Performance in Dairy Cattle. 19th International Conference on Dairy Cattle (CIGAL), Guadalajara, Mexico, July 11 -14, 2003. *
21. Reproductive management and nutrition of dairy cattle. Fulbright Scholar Seminar Series. General Pico, La Pampa. The seminar was organized by Dr. Julian Bartolome, Catedra de Reproduccion, University of La Pampa. September 16 -17, 2004. *
22. Reproductive management of dairy cattle Seminar Series. Fulbright Scholar Seminar Series. Cordoba City, Cordoba. These seminars were part of post graduate training courses given to food animal veterinarians. These courses are under the auspices of the Argentinean Institute of Reproduction. October 15 - 17, 2004. *
23. The effect of heat stress on reproductive performance. Fulbright Scholar Seminar Series. Canals, Cordoba, Argentina, November 3, 2004. *
24. Herd health, reproductive and heat stress management of dairy cattle. Fulbright Scholar Seminar Series. Canals, Cordoba, Argentina. November, 2004. *
25. Reproductive management of dairy cattle. Fulbright Scholar Seminar Series. Bransen, Buenos Aires. December 1, 2004. *
26. Mastitis control and the production of quality milk. Fulbright Seminar Series. The seminar was organized by Dr. Roberto Castañeda, Director of Centro Lacteos of the National Institute of Technology (INTI-Lact), Buenos Aires, Argentina. December 5, 2004. *
27. Management of the Postpartum Dairy Cow. Conferencia Internacional Sobre el Manejo Reproductivo del Ganado Lechero Facultad de Medicina Veterinaria, Universidad de Florida Gainesville, EEUU y Pfizer Animal Health Int. (**Program Coordinator**) January 27-29, 2005. *
28. Management of the Transition Period of Dairy Cattle to Maximize Reproductive Performance, Monitoring Postpartum Health in Dairy Cattle, Application of Statistical Process Control Charts in Dairy Production Practice. Jornadas de Reproduccion, Madrid, Spain, November 8-10, 2006. *
29. Reproductive Management of Cattle during Heat Stress, Treatment of Hypocalcemia and Energy Related Disorders of Dairy Cows, Prevention and Therapeutic Management of Postpartum Uterine Infections in Dairy Cattle. CorFILac Symposium on Nutrition and Management of Dairy Cattle, Ragusa, Sicily, June 5 – 9, 2007. *
30. Nutritional and reproductive management strategies of dairy cattle. International Symposia on Production Medicine, Sao Paulo, Brazil, March 10 – 15, 2009.
31. Prevention and management of uterine infections in dairy cattle. Pfizer animal health symposia on dairy cattle management. Barcelona, Spain, Nov 27- Dec. 3, 2009.

32. Metabolism of the Parturient Dairy Cow. Patología Reproductiva del Periparto en Vacas Lecheras University of Uruguay, College of Veterinary Medicine, Montevideo, Uruguay, April 26 – 29, 2010. *
33. Management of Uterine Infections in Dairy Cows. Patologia Reproductiva del Periparto en Vacas Lecheras. University of Uruguay, College of Veterinary Medicine, Montevideo, Uruguay, April 26-29, 2010. *
34. Transition cow management. Alltech Mexico Dairy Cattle Nutrition Symposium, Mexico City, Mexico, Oct 17-18, 2010. *
35. New concepts in reproductive management of dairy cattle (4 hr symposium). Graduate Seminars, Universidad de Santo Tomas, College of Veterinary Medicine, Santiago, Chile, Nov 29-30, 2010. *
36. New concepts in reproductive management of dairy cattle (4 hr symposium). Graduate Seminars, Universidad de la Pampa, College of Veterinary Medicine, Cordoba, Argentina. Dec. 1-3, 2010. *
37. Infectious and non-infectious causes of abortion in dairy cattle. Dairy Cattle Reproductive Diseases Conference, Expo Leche, Aguascalientes, Mexico, April 5-8, 2011. *
38. Uterine pathology and its consequences on fertility of dairy cattle. Dairy Cattle Reproductive Diseases Conference, Expo Leche, Agauscalientes, Mexico, April 5-8, 2011.
39. Nutrition and reproduction. Invited lectures to senior veterinary students at the Universidad Central de Venezuela, Maracai, Venezuela, July 5 – 8, 2011. *
40. Physiology and endocrinology of the estrous cycle in dairy cows, reproductive management of dairy cattle, vaccination programs for reproductive diseases, common diseases that affect fertility in dairy cattle. Reproduction Module, University of Barcelona, Spain, August 5 – 9, 2011. *
41. Dairy cattle production medicine, periparturient diseases of dairy cattle, dairy calf health management. North American Veterinary Conference, April 25 – 29, Bosnia Herzegovina, 2012. *
42. Nutritional management of the transition dairy cow, hypocalcemia as risk factor for metritis, reproductive herd health management. North American Veterinary Conference, April 21 – 25, Bosnia Herzegovina, 2013. *
43. Hypocalcemia in dairy cattle: revisiting an old disease, management of dystocia in dairy cattle. Spanish Association of Bovine Specialists (ANEMBE), Burgos, Spain, May 7 – 8, 2015.
44. Mineral disorders in dairy cattle. Leon Veterinary Congress, Leon, Mexico, September 5 – 8, 2015.
45. Risk factors for metritis. Mexican Association of Bovine Practitioners, May 16-18, 2016.

CONTINUING EDUCATION AT UNIVERSITY OF FLORIDA

1. Bovine Embryo Transfer Workshop for Veterinarians: University of Florida, College of Veterinary Medicine, Gainesville, Fl. 1990 – 2005.
2. Bovine Ultrasound Workshop for Veterinarians: University of Florida, College of Veterinary Medicine, Gainesville, Fl. April 2000.

CONSULTATION:

Provide consultation services in the area of reproductive management of dairy cattle to the following agencies:

- Wisconsin State Department of Agriculture: 1995 - 2000, México.
- United States Feed and Grain Council: 1995 - present, Chile, Dominican Republic, México.
- International Atomic Energy Commission: 1998 – present, Uruguay.
- United States Holstein Association: 1998 - 2004, Panama, Portugal, Uruguay.
- Zoetis Animal Health: 2002- present.