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## **CURRICULUM VITA**

### **EDUCATION**

C.S.S.D., American Dietetic Association, Commission on Dietetic Registration  
R.D., American Dietetic Association, Commission on Dietetic Registration  
Postdoctoral fellowship, Physiological Chemistry, The Ohio State University, Columbus, Ohio

Ph.D., Nutritional Physiology, Iowa State University, Ames, Iowa

M.S., Biochemistry, Iowa State University, Ames, Iowa

B.A., Molecular, Cellular, and Developmental Biology, University of Colorado, Boulder, Colorado

### **RESEARCH INTERESTS**

Dr. DiMarco investigates calcium intake and other nutrients in the prediction of fractures in the elderly. Research efforts are currently underway to examine bone mineral density of the total body, femoral neck, femur and spine as well as hand X-rays in a population of individuals who entered a study at TWU in the 1950's. Out of an original cohort of 4000 individuals, aged 2 – 72, information concerning their health history, reproductive and fracture history, as well as nutrient intake and bone density is being collected to provide a basis to create prediction equations of fracture.

Dr. DiMarco is also interested in the nutrition and physical activity education of culturally underserved populations in Texas. Dr. DiMarco is part of a transdisciplinary team of health and family professionals who have created a program called Growing with EASE (Eating, Activity and Self –Esteem) to help prevent obesity in a primarily Hispanic group of parents and their 4-year old children. The project is carried out in the Denton school district during the school year and involves parent education classes.

Dr. DiMarco is one of the creators of the master's program in Exercise and Sports Nutrition at TWU and has been the initiator of the American Dietetic Association's (ADA) new certification for Registered Dietitians as Certified Specialists in Sports Dietetics or C.S.S.D. She began a new subunit within ADA's Sports, Cardiovascular, Wellness, and Eating Disorder Nutritionists dietetic practice group (SCAN) called Sports Dietetics-USA and led the group since 2003.

## SELECTED PUBLICATIONS

Nichols, D., Sanborn, C., Bonnick, S., Gench, B. and DiMarco, N. Relationship between bone mineral density and muscle mass in intercollegiate female athletes. *Medicine and Science in Sports and Exercise* 27: 178-182, 1995.

Reed, C.A., Nichols, D., Bonnick, S., and DiMarco, N. Bone mineral density and dietary intake in patients with Crohn's disease. *International Journal of Clinical Densitometry*, March 1998.

Moen, S., C. Sanborn, N. DiMarco, B. Gench, S. Bonnick, H. Keizer, and P. Menheere. Lumbar bone mineral density in adolescent female runners. *Journal of Sports Medicine and Physical Fitness* 38:234 – 239, 1998.

Darnley, M.J., DiMarco, N.M., and Aukema, H. Safety of chronic exercise in a rat model of kidney disease. *Medicine and Science in Sports and Exercise*, 32, No. 3, pp 576 - 580, 2000.

Edmunds, J.W., Jayapalan, S., DiMarco, N.M., Saboorian, M.H., & Aukema, H. (2001). Creatine supplementation increases renal disease progression in Han: SPRD-cy rats. *American Journal of Kidney Disease*, 37(1): 73-78.

Huettig, C.I., Sanborn C.F., DiMarco, N.M., Popejoy, A. & Rich., S. (2004). The O Generation: Our Youngest Children are at Risk for Obesity. *Young Children*, 59(2):50-55.

Criswell, D.S., Henry, K. M., DiMarco, N.M., & Grossie, V. B., Jr. (2004). Chronic exercise and the pro-inflammatory response to endotoxin in the serum and heart. *Immunology Letters*, 95(2): 213-220.

Rich, S. S., DiMarco, N.M., Huettig, C.I., Essery, E. V., Andersson, E., & Sanborn, C.F. (2004). Parent perceptions: Health and family activity patterns of at-risk overweight toddlers. *Family and Community Health*, 28(2):130-141.

Kudlac, J., Nichols, D.L., DiMarco, N.M., & Sanborn, C.F. (2005). Impact of detraining on bone loss in former collegiate female gymnasts. *Calcified Tissue International*, 75(6): 482-487.

Greathouse K.L., Samuels M., DiMarco N.M., and Criswell D.S. (2005). Effects of increased dietary fat and exercise on skeletal muscle lipid peroxidation and antioxidant capacity in male rats. *European Journal of Nutrition* 44: 429 – 235.

Huettig, C., Rich, S., Engelbrecht, J., Sanborn, C., Essery, E., DiMarco, N., Velez, L., and Levy, L. (2006) Growing with EASE: Eating, Activity, and Self-Esteem. *Young Children* 61 (3): 26 – 31.

Essery, E., DiMarco, N., Rich, S., & Nichols, D. (Accepted). Mothers report using less pressure in child feeding situations following a weekly newsletter intervention. Accepted 2007: *Journal of Nutrition Education and Behavior*.

