

List of peer-reviewed, published studies related to figure skating.

Nutrition/Diet

Ziegler PJ, et al. Dietary intake, body image perceptions, and weight concerns of female US International Synchronized Figure Skating Teams. *Int J Sports Nutr Exerc Metab* (2005); 15(5): p. 550-66

Ziegler, PJ et al. A comparison of three methods of determination of energy density of elite figure skaters. *Int J Sports Nutr Exerc Metab*. 2005 Oct; 15(5): 537-49

Jonnalagadda SS et al. Food preferences, dieting behaviors, and body image perceptions of elite figure skaters. *Int J Sports Nutr Exerc Metab*. 2004 Oct; 14 (5): 594-606.

Ziegler PJ, et al. Use of dietary supplements by elite figure skaters. *Int J Sport Nutr Exerc Metab*. 2003 Sep; 13(3): 266-76.

Montero A. The implications of the binomial nutrition-immunity on sportswomen's health. *Eur J Clin Nutr*. 2002 Aug; 56 Suppl 3:S38-41. Review.

Ziegler PJ et al. Contribution of meals and snacks to nutrient intake of male and female elite figure skaters during peak competitive season. *J Am Coll Nutr*. 2002 Apr; 21(2): 114-9.

Ziegler P et al. Nutritional status of teenage female competitive figure skaters. *J Am Diet Assoc*. 2002 Mar; 102(3): 374-9.

Ziegler PJ et al. Dietary intake of elite figure skating dancers. *Nutr Res*. 2001 Jul; 21(7): 983-992.

Ziegler PJ et al. Energy and macronutrient intakes of elite figure skaters. *J Am Diet Assoc*. 2001 Mar; 101(3):319-25.

Ziegler PJ et al. Nutritional and physiological status of U.S. national figure skaters. *Int J Sports Nutr*. 1999 Dec; 9(4):345-60.

Garner DM et al. Eating disorders among athletes. Research and recommendations. *Child Adolesc Psychiatr Clin N Am*. 1998 Oct; 7(4):839-57, x. Review.

Ziegler PJ et al. Body image and dieting behaviors among elite figure skaters. *Int J Eat Discord*. 1998 Dec; 24(4):421-7.

Ziegler PJ et al. Nutritional status of nationally ranked junior US figure skaters. *J Am Diet Assoc*. 1998 Jul; 98(7):809-11.

Ziegler PJ et al. Eating attitudes and energy intakes of female skaters. *Med Sci Sports Exerc.* 1998 Apr; 30(4):586-6.

Brown JA. An evaluation of the article by Delistraty D.A., Reisman E.J., and Snipes M. "A physiological and nutritional profile of young female figure skaters. *J Sports Med Phys Fitness.* 1994 Jun; 34(2):199-201.

Delistraty DA et al. A physiological and nutritional profile of young female figure skaters. *J Sports Med Phys Fitness.* 1992 Jun; 32(2):149-55.

Clement DB et al. Iron status in Winter Olympic sports. *J Sports Sci.* 1987 Winter; 5(3): 261-71.

Gordon TI et al. The caloric cost of competitive figure skating. *J Sports Med Phys Fitness.* 1969 Jun; 9(2):98-103.

Biomechanics

Lockwood KL, Landing for success: biomechanical and perceptual analysis of on-ice jumps in figure skating. *Sports Biomech* 2006; 5(2): p. 231-41.

King DL. Performing triple and quadruple figure skating jumps: implications for training. *Can J Appl Physiol* (2005): 30(6): p. 743-53

Haguenauer M et al. Influence of figure skating skates on vertical jumping performance. *J Biomech* (2006): 39(4): p. 699-707

King D et al. Characteristics of triple and quadruple toe-loops performed during the Salt Lake City 2002 Winter Olympics. *Sports Biomech.* 2004 Jan; 3(1): 109-23

Lockwood K et al. Impact forces upon landing single, double, and triple revolution jumps in figure skaters. *Clin Biomech.* 1997 Apr; 12(3):S11.

Injuries

Bradley MA. Prevention and treatment of foot and ankle injuries in figure skaters. *Curr Sports Med Rep.* 2006; 5(5) p. 258-61.

Fortin, JD. Competitive figure skating injuries. *Pain Physician.* 2003;6(3): p. 313-8

Dubravcic-Simunjak S et al. Injuries in synchronized skating. *Int J Sports Med* 2006; 27(6): p. 493-9

Effect of training on postural control in figure skaters: a randomized controlled trial of neuromuscular versus basic off-ice training programs. *Clin J Sports Med.* 2004 Jul; 14(4): 215-24.

Borody C. Neck-tongue syndrome. *J Manipulative Physiol Ther.* 2004 Jun; 27(5):e8. Review

Anderson SE et al. Shoe rim and show buckle pseudotumor of the ankle in elite and professional figure skaters and snowboarders: MR imaging findings. *Skeletal Radiol.* 2004 Jun;33(6): 325-9.

Garrick JG. The incidence of injuries in elite junior figure skaters. *Am J Sports Med.* 2003 Nov-Dec; 31(6):1050-1

Dubravcic-Simunjak S et al. The incidence of injuries in elite junior figure skaters. *Am J Sports Med.* 2003 Jul-August; 31(4):511-7.

Lipetz J et al. Injuries and special concerns of female figure skaters. *Clin Sports Med.* 2000 Apr; 19(2):369-80. Review.

Omey ML et al. Idiopathic scoliosis and spondylolysis in the female athlete. Tips for treatment. *Clin Orthop Relat Res.* 2000 Mar;(372): 74-84. Review.

Brown TD et al. Malleolar bursitis in figure skaters. Indications for operative and non-operative treatment. *Am J Sports Med.* 2000 Jan-Feb; 28(1):109-11.

Bloch RM. Figure skating injuries. *Phys Med Rehabil Clin N Am.* 1999 Feb; 10(1):177-88. viii. Review.

Pecina M et al. Stress fractures in figure skaters. *Am J Sports Med.* 1990 May-Jun;18(3):277-9.

Smith AD et al. Injuries in elite pair skaters and ice dancers. *Am J Sports Med.* 1989 Jul-Aug; 17(4):482-8.

Davis MW et al. Figure skater's foot. *Minn Med.* 1979 Sep; 62(9): 647-8.

Asthma, Exercise Induced asthma

Weiler JM et al. Asthma in United States Olympic Athletes who participated in the 1998 olympics winter games. *J Allergy Clin Immunol.* 2000 Aug; 106(2): 267-71.

Wilber RL et al. Incidence of exercise-induced bronchospasm in Olympic winter sport athletes. *Med Sci Sports Exerc.* 2000 Apr; 32(4):732-7.

Mannix ET et al. A comparison of two challenge tests for identifying exercise-induced bronchospasm in figure skaters. *Chest.* 1999 Mar; 115(3):649-53.

Mannix ET et al. Exercise-induced asthma in figure skaters. *Chest.* 1996 Feb; 109(2): 312-5

Corrao W. Asthma in athletes. Exercise-induced bronchoconstriction in figure skaters. *Chest*. 1996 Feb; 109(2):298-9.

Provost-Craig MA et al. The incidence of exercise-induced bronchospasm in competitive figure skaters. *J Asthma*. 1996; 33(1):67-71.

Air quality in ice arenas

Pelham TW et al. Exposure to carbon monoxide and nitrogen dioxide in enclosed ice arenas. *Occup Environ Med*. 2002 Apr; 59(4): 224-33. Review.

Pribyl CR et al. Toxic gas exposure in ice arenas. *Clin J Sports Med*. 1996 Oct; 6(4): 232-6.

Characteristics

Body composition:

Monsma DV et al. Anthropometry and somatotype of competitive female figure skaters 11-22 years. Variation by competitive level and discipline. *J Sports Med Phys Fitness* (2005): 45(4): p. 491-500.

Leone M et al. Discriminant analysis of anthropometric and biomotor variables among elite adolescent female athletes in four sports. *J Sports Sci*. 2002 Jun; 20(6): 443-9.

Davison KK et al. Participation in aesthetic sports and girls' weight concerns at ages 5 and 7 years. *Int J Eat Disord*. 2002 Apr; 31(3): 312-7.

Hawes MR et al. Morphological prototypes, assessment and change in elite athletes. *J Sports Sci*. 1994 Jun; 12(3): 235-42. Review.

Sovak D et al. Anthropological status of international caliber speed skaters. *J Sports Sci*. 1987 Winter;5(3): 287-304.

Bone Density:

Oleson CV et al. Bone density in competitive figure skaters. *Arch Phys Med Rehabil*. 2002 Jan; 83(1):122-8.

Slemenda CW et al. High intensity activities in young women: site specific bone mass effects among female figure skaters. *Bone Miner*. 1993 Feb; 20(2):125-32.

Body fat and menarche, female athlete triad:

Monsma E et al. Puberty and physical self-perceptions of competitive female figure skaters: an interdisciplinary approach. *Res Q Exerc Sport* 2006; 77(2): p. 158-66.

Vadocz EA et al. Age at menarche in competitive figure skaters: variation by competency and discipline. *J Sports Sci.* 2002 Feb; 20(2): 93-100.

Moisan J et al. Leisure physical activity and age at menarche. *Med Sci Sports Exerc.* 1991 Oct; 23(10): 1170-5

Moisan J et al. A nested case-control study of the correlates of early menarche. *Am J Epidemiol.* 1990 Nov; 132(5):953-61.

Ouellette MD et al. Relationship between percent body fat and menstrual patterns in athletes and nonathletes. *Nurs Res.* 1986 Nov-Dec; 35(6):330-3.

Sabatini S. The female athlete triad. *Am J Med Sci.* 2001 Oct; 322(4): 193-5. Review.

Physiological profiles, strength and conditioning:

Fogelholm GM et al. Resting metabolic rate and energy intake in female gymnasts, figure-skaters and soccer players. *Int J Sports Med.* 1995 Nov; 16(8):551-6.

Smith AD et al. Flexibility and anterior knee pain in adolescent elite figure skaters. *J Pediatr Orthop.* 1991 Jan-Feb; 11(1):77-82.

Smith AD. The young skater. *Clin Sports Med.* 2000 Oct; 19(4): 741-55. Review.

McMaster WC et al. Conditioning program for competitive figure skating. *Am J Sports Med.* 1979 Jan-Feb;7(1):43-7.

Peltonen JE et al. Back extensor and psoas muscle cross-sectional area, prior physical training and trunk muscles strength- a longitudinal study in adolescent girls. *Eur J Appl Physiol Occup Physiol.* 1998; 71(1-2):66-71.

Mannix ET et al. Aerobic power and supramaximal endurance of competitive figure skaters. *J Sports Med Phys Fitness.* 1996 Sep; 36(3):161-8

Podolsky A et al. The relationship of strength and jump height in figure skaters. *Am J Sports Med.* 1990 Jul-Aug;18(4):400-5.

Kjaer M et al. Physiological profile and incidence of injuries among elite figure skaters. *J Sports Sci.* 1992 Feb; 10(1):29-36.

Sports Psychology

Robazza C et al. Perceived effects of emotion intensity on athletic performance: a contingency- based individualized approach. *Res Q Exerc Sport* 2006; 77(3): p. 372-85.

Haguenauer, M et al. Short term effects of using verbal instructions and demonstration at the beginning of learning a complex skill in figure skating. *Percept Mot Skills*. 2005 Feb; 100(1): 179-91.

Dufresne T et al. Jones on ice: psychoanalysis and figure skating. *Int J Psychoanal*. 1995 Feb; 76(Pt 1): 123-133.

Gould D et al. Coping strategies used by national champion figure skaters. *Res Q Exerc Sports*. 1993 Dec; 64(4):453-68.

Deakin JM et al. Skilled memory in expert figure skaters. *Mem Cognit*. 1991 Jan; 19(1):79-86.

Mumford B et al. The effects of internal and external imagery on performing figures in figure skating. *Can J Appl Sport Sci*. 1985 Dec; 10(4):171-7.

Judging

Bruine de Bruin W. Save the last dance for me: unwanted serial position effects in jury evaluations. *Acta Psychol* (2005): Mar; 118 (3): 245- 60

Bruine de Bruin W. Save the last dance II: unwanted serial position effects in figure skating judgements. *Acta Psycho* (2006): 123(3): p. 299-311.

Looney MA. Evaluating judge performance in sport. *J Appl Meas*. 2004; 5(1): 31-47.

Other

Short SE et al. Testing the modifiability of the state sport confidence inventory. *Percept Mot Skills*. 2002 Jun; 94(3 Pt 1): 1025-8.

Balmer NJ et al. Home advantage in the Winter Olympics (1908-1998) *J Sports Sci*. 2001 Feb; 19(2):129-39.

Looney MA. Objective measurement of figure skating performance. *J Outcome Meas*. 1997; 1(2):143-63.