

簡歷

	姓名	陳喬男
	所屬單位	物理治療暨輔助科技學系
	職稱	副教授
	分機	7164
	Email	chiaonanchen@ym.edu.tw
	研究領域及興趣	心肺物理治療學 老化生物學 運動生理

學歷

學校	科系	學位
美國明尼蘇達大學	復健科學研究所	博士
國立台灣大學	物理治療學系暨研究所	碩士
長庚大學	物理治療學系	學士

現職及經歷

單位	職位	期間
陽明大學物理治療暨輔助科技學系	副教授	2017 迄今
長庚大學物理治療學系	副教授	2015-2017
長庚大學物理治療學系	助理教授	2009-2015
長庚醫院	物理治療師	2000-2003

課程

老人學與成功老化
健康促進與功能重建之理論基礎與實證

著作目錄 (研究發表或出版著作)

期刊論文發表

1. Chen C-N, Liao Y-H, Tsai S-C, Thompson LV. Age-dependent effects of caloric restriction on mTOR and ubiquitin-proteasome pathways in skeletal muscles. *Geroscience*. 2019 Dec; 41(6), 871-880.
2. Hsu K-J, Liao C-D, Tsai M-W, Chen C-N. Effects of exercise and nutritional intervention on body composition, metabolic health, and physical performance in adults with sarcopenic obesity: a meta-analysis. *Nutrients*. 2019 Sep; 11(9): E2163.
3. Liao Y-H, Chen C-N, Hu C-Y, Tsai S-C, Kuo Y-C. Soymilk ingestion immediately after therapeutic exercise enhances rehabilitation outcomes in chronic stroke patients: A randomized controlled trial. *NeuroRehabilitation*. 2019 April; 44(2):217-229.
4. Chen S-C, Wang H-H, Chen C-N, Li G-S, Chien K-U. A community application-oriented measuring distance for walking speed tests in the middle-aged and older adults. *Physical Education Journal* 2018 Dec; 51(4): 463-472.
5. Liao Y-H, Chen C-Y, Chen C-N, Wu C-Y, Tsai S-C. An Amino Acids Mixture Attenuates Glycemic

- Impairment but not Affects Adiposity Development in Rats Fed with AGEs-containing Diet. *Int J Med Sci* 2018 Jan;15(2):176-187.
6. Chen C-N, Lin S-Y, Liao Y-H, Yu J-X, Li Z-J, Lin Y-C, Chang G-J, Lin C-H, Wong M-K. Diet-induced obesity impairs blood lactate metabolism of rats in response to incremental exercise. *Am J Physiol - Regulatory, Integrative and Comparative Physiology*. 2017 Nov; 313(5): R601-R607.
 7. Chen C-N. Muscle aging, calorie restriction and resveratrol. *Adaptive Medicine*. 2017; 9(1): 15-22.
 8. Lin Y-Y, Hsieh P-S, Cheng Y-J, Cheng S-M, Chen C-N, Huang C-Y, Kuo C-H, Kao C-L, Shyu W-C, Lee S-D. Anti-apoptotic and pro-survival effects of food restriction on high-fat diet-induced obese Hearts. *Cardiovasc Toxicol*. 2017 Apr; 17(2):163-174.
 9. Chen C-N. Prevention of disability in the elderly. *The Journal of Long-term Care*. 2015 Sep; 19(2) 149-156.
 10. Chen C-N, Lin S-Y, Liao Y-H, Li Z-J, Wong M-K. Late-onset caloric restriction alters skeletal muscle metabolism by modulating pyruvate metabolism. *Am J Physiol Endocrinol Metab*. 2015 June; 308(11): E942-9. (SCI) (NSC 101-2314-B-182-006-MY3)
 11. Chen C-N, Chuang LM, Korivi M, Wu YT. Home-based exercise may not decrease the insulin resistance in individuals with metabolic syndrome. *J Phys Act Health*. 2015 March; 12(1): 74-79. (SSCI)
 12. Chen C-N, Hwang A-W, Lin S-Y, Lin Y-C. Initiation of movement and energy expenditure in children with developmental delay: A case-control study. *Phys Ther*. 2014 Oct;94(10):1134-1442. (SCI)
 13. Chen C-N, Graber TG, Bratten WM, Ferrington DA, Thompson LV. Immunoproteasome in animal models of Duchenne muscular dystrophy. *J Muscle Res Cell Motil*. 2014 June;35(2):191-201. (SCI)
 14. Hwang AW, Wu IC, Chen C-N, Cheng H YK, Chen CL. The correlates of body mass index and risk factors for being overweight among preschoolers with motor delay. *Adapt Phys Activ Q*. 2014 Apr; 31(2):125-143. (SCI)
 15. Chen C-N, Thompson LV. Interplay Between Aging and Unloading on Oxidative Stress in Fast-Twitch Muscles. *J Gerontol A-Biol*. 2013 Jul; 68(7):793-802. (NSC 99-2320-B-182-001-) (SCI)
 16. Templeton DL, Mosser KH, Chen CN, Stone MD, John R, Dengel DR, Thompson LV. Effects of left ventricular assist device (LVAD) placement on myocardial oxidative stress markers. *Heart Lung Circ*. 2012 Sep; 21(9):586-97. (SCI)
 17. Wu YT, Hwang CL, Chen C-N, Chuang LM. Home-based exercise for middle-aged Chinese at diabetic risk: A randomized controlled trial. *Prev Med*. 2011 May; 52(5):337-43. (SCI)
 18. Chen H-C, Hung S-S, Chen C-N, Cheng H-Y. Materials and applications of assistive technology devices for the elderly: the prevention of fall and the fall-related fracture. *Industrial Materials* 2010 Dec; 288:102-108.
 19. Xu X, Chen C-N, Arriaga EA, Thompson LV. Asymmetric superoxide release inside and outside the mitochondria in skeletal muscle under conditions of aging and disuse. *J Appl Physiol*. 2010 Oct;109(4):1133-9. (SCI)
 20. Chen C-N, Brown-Borg HM, Rakoczy SG, Ferrington DA, Thompson LV. Aging Impairs the Expression of Glutamate Cysteine Ligase Catalytic Subunit in Soleus Muscle Under Stress. *J Gerontol A-Biol*. 2010 Feb; 65(2):129-37. (SCI)
 21. Chen C-N, Ferrington DA, Thompson LV. Carbonic Anhydrase III and Four-and-a-Half LIM Protein 1 are Preferentially Oxidized with Muscle Disuse. *J Appl Physiol*. 2008; 105: 1554-61. (SCI)
 22. Chen C-N, Chuang L-M, Wu Y-T. Clinical Measures of Physical Fitness Predict Insulin Resistance in

- Individuals at Risk of Diabetes. *Phys Ther.* 2008; 88(11):1355-64. (SCI)
23. Chen C-N, Brown-Borg HM, Rakoczy SG, Thompson LV. Muscle Disuse: Adaptation of Antioxidant Systems is Age-Dependent. *J Gerontol A-Biol.* 2008;63(5):461-6. (SCI)
 24. Zhong S, Chen C-N, Thompson LV. Sarcopenia of Aging: Functional, Structural and Biochemical Alterations. *Brazilian Journal of Physical Therapy* 2007;11(2):91-97.
 25. Chen C-N, Thompson LV. Ischemia-Reperfusion, Oxidative Stress and Muscle Dysfunction. *Formosan Journal of Physical Therapy* 2007; 32(4): 226-33.
 26. Chiang LL, Chen C-N, Tsao JY, Wu YT. Investigation of Physical Therapy Utilization in Integrated Delivery System among Patients with Long-Term Mechanical Ventilation. *Formosan Journal of Physical Therapy* 2006; 31(1): 39-45.

研討會發表

27. Chen C-N, Yu J-X, Lin S-Y, Li Z-J. Late onset Caloric Restriction Alters Skeletal Muscle Metabolism by Modulating Pyruvate Metabolism. *Advances in skeletal muscle biology in health and disease.* Gainesville, Florida. January 20-22, 2016.
28. Lin Y-C, Chen C-N, Chih Y-M. Type II muscles are more susceptible to contractile activity-induced injury. *Experimental Biology* 2015. Boston, USA, March 28-April 1, 2015.
29. Yu J-X, Lin S-Y, Li Z-J, Chen C-N. Late-onset calorie restriction alters skeletal muscle metabolism by modulating pyruvate metabolism. *Experimental Biology* 2015. Boston, USA, March 28-April 1, 2015.
30. Lin S-Y, Yu J-X, Li Z-J, Chen C-N. The influence of high fat diet on exercise performance and energy and lactate metabolism. *The 30th Joint Annual Conference of Biomedical Science.* Taipei, Taiwan, March 21-22, 2015.
31. Chen C-N, Chen H-Y, Yang C-M. Redox signaling in skeletal muscles following contractile activities: effects of aging. *Gordon Research Conference on Oxidative Stress and Disease.* Ventura, California, USA, March 1-6, 2015
32. Lin S-Y, Chen C-N. Effects of diet on muscle strength, mitochondria function, and metabolic parameters of old rats. *Experimental Biology* 2014. San Diego, USA, April 26-30, 2014.
33. Yu J-X, Chen C-N, Lin S-Y, Lin Y-C. Effects of dietary on the changes of mitochondrial function are not via altering of activity level of rats. *The 67th Scientific Conference of Physical Therapy Association of Taiwan.* Taipei, Taiwan, March 29, 2014.
34. Chen C-N, Lin S-Y, Li Z-J, Ou Y-M, Lai Z-H. Age-dependent effect of calorie restriction on metabolic parameters and exercise performance of rats. *WCPT-AWP & ACPT Congress* 2013. Taichung, Taiwan, September 5-9, 2013.
35. Chen C-N: Muscle Adaptation to Contractile Activity: Effects of Aging. *42nd Annual Meeting of the American Aging Association.* Baltimore, USA. May 31-June 3, 2013
36. Li Z-J, Chen C-N. Effects of high-fat diet on metabolic parameters and exercise performance of young and adult rats. *Experimental Biology* 2013. Boston, USA, April 20-24, 2013
37. Chen C-N, Li Z-J, Chung W-Z, Lin Y-J. Effects of high-Fat diet and calorie restriction on muscle function and exercise capacity of rats. *The 64th Scientific Conference of Physical Therapy Association of Taiwan.* Taipei, Taiwan, March 31-April 1, 2012.
38. Chen C-N, Wang C-Y, Thompson LV. Muscle disuse: changes of antioxidants and oxidative stress are age-dependent. *The 63th Scientific Conference of Physical Therapy Association of Taiwan.* Tao-Yuan, Taiwan, September 24, 2011.

39. Chen C-N, Thompson LV, Wang C-Y, Lee Y-K. Aging exacerbates oxidative stress in disused type II muscles. American Aging Association 40th Annual Meeting: Mechanisms of Aging: Emerging Concepts. Raleigh, North Carolina, USA, June 3-6, 2011.
40. Wu Y-Y, Chen C-N, Chung H-C, Yang S-C, Lin Y-C, Lin S-Y, Lee S-U, Liu W-T, Wang J-S. The effect of visual signal addition on the results of shuttle walking test in healthy adults. The 62th Scientific Conference of Physical Therapy Association of Taiwan. Taipei, Taiwan, March 19-20, 2011.
41. Lin Y-C, Chen C-N, Lin S-Y, Yang S-C, Chung H-C, Wu Y-Y, Wu I-C, Hwang A-W. The comparison of physiological cost index of walking in normal children and children with developmental delay: a pilot study. The 62th Scientific Conference of Physical Therapy Association of Taiwan. Taipei, Taiwan, March 19-20, 2011.
42. Wu Y-T, Chou C-H, Hwang C-L, Chen C-N. Effects of menopause and home-based exercise with behavioral enhancement strategy on metabolic risk factors in perimenopausal women. The 62th Scientific Conference of Physical Therapy Association of Taiwan. Taipei, Taiwan, March 19-20, 2011.
43. 張敬岳、陳盈如、廖佳芳、劉文瑜、陳喬男、連恒裕 (九十九年十月)。“玩 Wii Fit™ 的平衡訓練時的心跳速率變化” 壁報展示，中華民國物理治療學會第六十一次學術研討會，台中。
~入選學生海報論文獎的入選名單
44. Chen C-N, Brown-Borg HM, Rakoczy SG, Thompson LV. Nrf2 is associated with the impaired GSH metabolism. Gordon Research Conferences: Biology of Aging. Les Diablerets, Switzerland, August 21-27, 2010.
45. Chen C-N, Brown-Borg HM, Ferrington DA, Thompson LV. Aging impairs the expression of glutamate cysteine ligase catalytic subunit in muscle under stress. Gordon Research Conferences: Biology of Aging. Ventura, California, February 15-20, 2009.
46. Chen C-N, Ferrington DA, Brown-Borg HM, Thompson LV. Muscle disuse: the adaptations of antioxidant systems and protein oxidative modifications are age-dependent. Gordon Research Conferences: Biology of Aging. Les Diablerets, Switzerland, September 23-28, 2007.
47. Chen C-N, Thompson LV. Inactivity-induced oxidative stress. Gordon Research Conferences: Oxidative stress and disease. Ventura, California, March 11-16, 2007.
48. Zhong S, Chen C-N, Barnett V, Thompson LV. Single skeletal fiber passive contractile properties do not explain age-related muscle stiffness. The 59th Annual Scientific Meeting of Gerontological Society of America. Dallas, Texas, November 16-20, 2006.
49. Chen C-N, Chuang L-M, Chen H-H, Wu Y-T. Comparison of exercise effects in subjects with diabetic risk and with metabolic syndrome. FJPT 2005;30(2):91.
50. Hsu C-L, Kao M-Y, Chen C-N, Wu Y-T. Factors influencing postural stability in diabetic patients. FJPT 2004;29(5):348.
51. Chen C-N, Chuang L-M, Wu Y-T. Association of insulin resistance with physical fitness in subjects having diabetic risk factor. FJPT 2004;29(5):347.
52. Chen C-N, Huang K-E, Kang S-P, Wu Y-T. Heart rate variability in athletes – A pilot study. FJPT 2004;29(2):154.
53. Chen C-N, Wu Y-T, Wang L-Y. Changes in ventilatory function and oxygen uptake with pursed-lip breathing in healthy man. FJPT 2003;28(5):277.