

# PAN

---

## Physical Activity and Nutrition

### Review articles

- Li Zhenyu / Wang Ying / Tian Zhuang / Xie Yongchao / Jaecheol Kim  
Exercise-mediated macrophage polarization modulates the targeted therapeutic effect of NAFLD: a review
- Yi-Sub Kwak / Kiyun Han / Jaeun Lee / Jongnam Kim  
Physical exercise-intervention can be valuable therapy for COVID-19 confinement and post-COVID-19 periods
- Mahima Guleria / Shashi Prakash Sharma / Amit Kumar  
Analytical parameters to check association between load carriage system and bag packs-influenced musculoskeletal complications among school going students: a scoping review
- Eunjoo Lee / Hun-Young Park / Sung-Woo Kim / Jisu Kim / Kiwon Lim  
Vitamin C and glutathione supplementation: a review of their additive effects on exercise performance
- Young-Im Kim / Youngju Choi / Jonghoon Park  
The role of continuous glucose monitoring in physical activity and nutrition management: perspectives on present and possible uses
- Nahyun Kim / Soonjo Ka / Jonghoon Park  
Effects of exercise timing and intensity on physiological circadian rhythm and sleep quality: a systematic review

### Original articles

- Hyo Youl Moon / In Cheol Jeong  
The effect of voluntary exercise on light cycle stress-induced metabolic resistance
- Bo-ra Moon / Jae-heon Kang / Ju-yul Lee / Ji-young Kong  
Analysis of public perception of national obesity management policy
- Jae-Ho Choi / Hun-Young Park / Yerin Sun / Jisoo Seo / Eunjoo Lee / Sung-Woo Kim / Jisu Kim / Kiwon Lim  
Effect of exercise intervention using mobile healthcare on blood lipid level and health-related physical fitness in obese women: a randomized controlled trial