

Special Issue on
**Cardiovascular Physiology and Pathophysiology in
Endurance Exercise**

CALL FOR PAPERS

The beneficial role of exercise for health, especially for cardiovascular system, is well documented; however, exercise is not without risks for health. Considering the increasing number of recreational endurance athletes engaging in exercise of far higher intensity than what is recommended by the international health organizations, the study of the relationship between endurance exercise and cardiovascular disease is of great practical importance. The main challenge in this field is to provide evidence-based recommendations for optimal exercise levels to maximize the benefits for health and minimize the risk for cardiovascular disease.

The aim of this special issue is to attract papers that address the relationship between cardiovascular disease and exercise across all lifespan. We encourage submissions of cross-sectional studies on large data set of endurance athletes focusing on the relationship between performance and cardiovascular health outcomes. In addition, we especially welcome experimental studies that examine the effect of different training programs (varying for volume, intensity, frequency, mode, and recovery) on cardiovascular physiology and pathophysiology. Review articles describing the current state of the art in relevant topics are also welcome.

Potential topics include but are not limited to the following:

- ▶ Relationship between performance and cardiovascular health outcomes in endurance athletes
- ▶ The effect of different training programs (varying for volume, intensity, frequency, mode, and recovery) on cardiovascular physiology and pathophysiology
- ▶ Acute responses and chronic adaptations of cardiovascular system to endurance exercise
- ▶ Current guidelines of international organizations for endurance exercise
- ▶ Cardiovascular physiology and pathophysiology by sex, age, and performance level
- ▶ Incidence of cardiovascular disease in different endurance sports
- ▶ Prevention of cardiovascular disease in endurance sports
- ▶ Incidence of cardiovascular disease in different collision/contact sports

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/bmri/physiology/cpee/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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