Personalized Indirect Calorimeter for Energy Expenditure (EE) Measurement

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Author(s): Francis Tsow*, Erica Forzani*, Nongjian Tao**, Xiaojun Xian, Ashley Quach, Devon Bridgeman

Background and aims: A personal indirect calorimeter allows everyone to assess resting and non-resting energy expenditure, thus enabling accurate determination of a person's total calorie need for weight management and fitness. The aim of this study is to compare the performance of a new personal metabolic rate tracker based on indirect calorimetry, Breezing®, with th ...

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Delivery of Nanoparticles for the Treatment of Cardiovascular Diseases

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Author(s): Ceyda Tuba Sengel*

Cardiovascular diseases are still one of the major causes of death for the people in the world. Biomedical implantable devices are the basic approach on the treatment of cardiovascular diseases. However, unexpected and serious complications can be observed in the case of their usage. Nanotechnology gives a promising perspective to overcome these drawbacks. Nanoparticu ...

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The Metabolic Syndrome in Hispanics – The Role of Inflammation
We report clinical and molecular mechanisms relating the pro-inflammatory and anti-inflammatory process in the development of the components of the metabolic syndrome, emphasizing the cardiovascular problems developed in these groups of patients, especially the Hispanic population. Namely, the incidence, component characteristics and complications of the metabolic syn...