Research Article

**Does the use of an orthotic increase comfort, decrease injury and improve running performance?**

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Author(s): Robert Baxter, Kirk Chalmers, Amber Hurry, Kantida Koysombat, Fionnuala Geoghegan, Peter Malkin and George Ampat*

Background: Running is a widely accessible sport with millions of participants in the UK alone. Whilst running has been recognised to have significant health benefits, it does come with a risk of injury. Running-related injuries (RRI) are seen more commonly in novice runners compared to athletes. Currently, there is ongoing debate as to what is the major cause of RRI ... 

**Exercise-induced time-dependent changes in plasma BDNF levels in people with schizophrenia**

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Author(s): Laira Fuhr, Caroline Lavratti, Ivy Reichert Vital da Silva, Gustavo Pereira Reinaldo, Nathan Ono de Carvalho, Jordana Lectzow de Oliveira, Luciane Carniel Wagner, Jerri Ribeiro and Viviane Rostirola E尔斯ner*

Objective: To investigate the short and long-term outcomes of a concurrent exercise protocol (CEP) on plasma Brain-derived neurotrophic factor (BDNF) levels and the effect of this intervention in the self-esteem and mental health in people with schizophrenia (SZ). ...
Does A Group Supervised Shoulder Impingement Class Improve Shoulder Pain, Disability and Generic Health Outcomes? A Summative Service Evaluation

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Author(s): Darren Abramson*

Background: Patients with shoulder impingement syndrome (SIS) suffer pain and disability and present enormous health and financial challenges to the NHS. There is limited evidence for many of the commonly used physiotherapy treatment interventions. Research suggests deprivation, age, gender and attendance are possible predictors of poor treatment outcome in common ...