

IMU wearables - Analysing running gait under FFP2 masks using IMUs



We investigate if amateur runners exhibit load asymmetries in their limbs and whether FFP2 masks may have an impact on then We use 5 smart inertial measurements units (Xsens MTw Awinda) attached to the tibiae, the sacrum and the scapulae to monito peak accelerations during each running cycle. We compare trails run under shoed and barefoot conditions as well with and with wearing FFP2 masks. Statistical analyses show some intriguing effects.

Kontakt

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Vorteile / Advantages

- ► Injury prevention
- ► Early intervention
- ► Performance improvment
- ► Sport-indipendent

Anwendungsbereiche / range of application

- ► Popular Sports
- ► Recreational Sports
- ▶ Competitive Sports