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**Insulin sensitivity and its relation to hormones in adolescent boys and girls**

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**Abbreviations**

BMI, body mass index; COPAT, Childhood Obesity Prevalence And Treatment; DHEAS, dehydroepiandrosterone sulphate; FSH, follicle stimulating hormone; fT3, free triiodothyronine; fT4, free thyroxine; GIP, glucose-dependent insulinotropic polypeptide; GLP-1, glucagon-like-peptide-1; HOMA-IR, homeostasis model of insulin resistance; IR, insulin resistance; IRO, insulin-resistant obese/obesity; ISO, insulin-sensitive obese/obesity; LH, luteinizing hormone; MHO, metabolically healthy obesity; MUO, metabolically unhealthy obesity; OPLS, orthogonal projections to latent structures; SHBG, sex hormone-binding globulin; TSH, thyrotropin; WHtR, waist-to-height ratio

**Abstract**

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