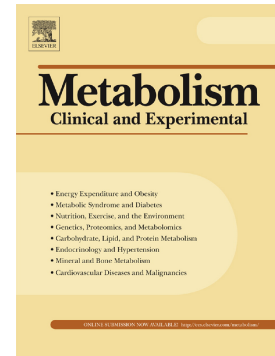


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**Independent relationships between cardinal features of obstructive sleep apnea and glycometabolism: a cross-sectional study**

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**Keywords:** sleep fragmentation, intermittent hypoxia , interaction, abnormal glycometabolism

**Abbreviation:** **OSA:** obstructive sleep apnea; **SF:** sleep fragmentation; **IH :** intermittent hypoxia; **SDB:** sleep-disordered breathing; **BMI:** body mass index ; **ROS:** reactive oxygen species; **PSG:** polysomnography; **EEG :** electroencephalogram; **MAI:** microarousal index; **ODI:** oxygen desaturation index; **AHI:** apnea hypopnea index; **TC:** total cholesterol; **TG:** total triglycerides ; **HDL-C:** high-density lipoprotein cholesterol; **LDL-C:** low-density lipoprotein cholesterol; **FBG:** fasting blood glucose ; **HOMA-IR:** homeostasis model assessment of insulin resistance; **WC:** waist circumference; **BP:** blood pressure; **MAP:** mean arterial pressure; **RERI:** relative excess risk due to interaction; **AP:** attributable proportion due to interaction ; **S:** synergy; **GLUT4:** glucose transporter 4; **GLP-1:** glucagon-like peptide 1.

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