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Effects of Ginsenoside Rg3 on fatigue resistance and SIRT1 in aged rats

Running headline: Fatigue resistance of Ginsenoside Rg3

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Footnote (abbreviations):

Rg3, Ginsenoside Rg3; Rg3 group, Rg3-treated normal group; POFS, postoperative fatigue syndrome; POFS group, postoperative fatigue syndrome model group; POFS+Rg3 group, Rg3-treated postoperative fatigue syndrome model group; OFT, the open field test; TC, total cholesterol; TG, serum triglyceride; LDH, lactate dehydrogenase; SOD, superoxide dismutase; MDA, malondialdehyde; PGC-1 α , peroxisome proliferator-activated receptor gamma coactivator-1 α ; PEPCK, phosphoenolpyruvate carboxykinase; SIRT1 or sirtuin1, silent information regulator of transcription 1; p53, protein 53; OD, optical density; RNA, Ribonucleic Acid; Q-RT-PCR, quantitative reverse-transcriptase-mediated polymerase chain reaction; cDNA, Complementary Deoxyribonucleic Acid; DMSO, Dimethyl sulfoxide; ATCC, American Type Culture Collection; DMEM, Dulbecco's Modified Eagle's Medium;

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