

Epitope Analysis of GLP-1 Receptor and Evaluation of the Activity of Novel Polypeptides in GDM Patients with Polycystic Ovary Syndrome

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SUMMARY. Polycystic ovary syndrome (PCOS) is the most common endocrine disorder in women, while gestational diabetes mellitus (GDM) is the most common metabolic disorder during pregnancy, PCOS patients have a higher risk of developing diabetes after pregnancy. For the treatment of PCOS combined with GDM, the novel peptides were designed in this research. The inhibitory activity of the novel peptides were evaluated with ELISA and real time RT-PCR assay.

RESUMEN. El síndrome de ovario poliquístico (SOP) es el trastorno endocrino más común en las mujeres, mientras que la diabetes mellitus gestacional (DMG) es el trastorno metabólico más común durante el embarazo, las pacientes con SOP tienen un mayor riesgo de desarrollar diabetes después del embarazo. Para el tratamiento de PCOS combinado con DMG, los nuevos péptidos se diseñaron en esta investigación. La actividad inhibitoria de los nuevos péptidos se evaluó con ELISA y ensayo de RT-PCR en tiempo real.

KEY WORDS: gestational diabetes mellitus, peptides, polycystic ovary syndrome.

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