

POLLEN IMPROVE GLUCOSE METABOLISM IN OVARECTOMIZED SD RATS

Su-Jin Nam, Soo-Im Chung, Ji Won Kim and Mi-Young Kang

Kyungpook National University, Republic of Korea

We investigated the effect of glucose metabolism in ovariectomized rats. 18 Sprague Dawley rats were divided into 3 groups. This groups were Sham operated (SHAM), ovariectomized + normal diet(OVX-AIN93G), and ovariectomized + normal diet with pollen vinegar precipitate 10%(OVX-PVP). Treating effects of pollen vinegar precipitate on glucose metabolism were investigated with SHAM, OVX-AIN93G, OVX-PVP groups during 12 weeks. At 12 weeks after OVX-AIN93G group was significant increase in blood glucose comparing with OVX-PVP group. For plasma insulin, SHAM group had a lower value than OVX groups. The OVX-PVP group were priced significantly lower than OVX-AIN93G. The following are the results of experiments with liver and kidney tissue. GK activity in liver and kidney tissue was not significantly OVX group. But among OVX groups, the PVP group showed a high value. And G6pase activity was not significantly different among all group but, SHAM and OVX-PVP groups were significantly lower than HF group.

Biography

Su Jin Nam has been Graduated from Kyungpook national university and Master also has been Graduated at same University. Presently she is pursuing PhD course at same university. She studied the effects of menopause related metabolism.

mykang@knu.ac.kr