ABSTRACTS OF ARTICLES

Morphological Changes of Pituitary Gland and Ovary in Testosterone-Induced Anovulatory Rat Treated with Chinese Medicinal Herbs of Replenishing Kidney  
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Injection of testosterone propionate 1.25 mg were given to SD rats on 9 days of age, and fed with replenishing Kidney herbal decoction as well as with distilled water as control from 80 to 94 days of age. On 100 days of age, all the rats were sacrificed and the pituitary glands and ovaries were excised for examination. In the ovaries, increase in interstitial glands’ count and lowering of lipid drop’s quantity in cytoplasm of interstitial glandular cells were observed after the treatment, and intracellular "crinophagy" and "autophagy" disappeared in the pituitary gland. After treatment with replenishing Kidney drugs, ovarian estrogen receptors increased whereas the ovarian progesterone receptors raised even higher. It suggests that both ovaries and pituitary gland in testosterone induced anovulatory rats were affected by herbs of replenishing Kidney.  
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Doppler Sphygmogram of Uneven Pulse and Spectral Change of Tongue  
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The volume of blood flow (F), its velocity (V) and the internal diameter (D) of patients with uneven pulse (PUP) were determined and compared with the control. Results: The F, V and D of PUP were significantly less than those of the control respectively (P<0.001). It provided objective basis for blood stasis. Furthermore, the values of spectrum of tongue of PUP were measured. Values of red and orange ray of PUP were less, while those of green and blue ray were more than those of healthy subjects respectively. The values of purple ray were negative correlated with the F and V. The values of red and orange ray were correlated with F and V. It revealed that uneven pulse and purple tongue existed simultaneously in majority. Combination of the two signs was in favour of the diagnosis of blood stasis.  
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Metrological Analysis for Efficacy of Acupuncture on Angina Pectoris  
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Acupuncture (Acupoints: Neiguan P6, Shenmen H7, Shaohai H3 or auriculopoints: Heart, Shenmen) was administrated once or 7 times in a week on 40 patients with stable type of angina pectoris. The effect was assessed quantitatively or semi-quantitatively according to the extent, area, frequency, duration of attack, the time of attack during exercise, and the vanishing of suffering after exercise. Just after one performance of acupuncture, 15 patients’ angina pectoris were significantly alleviated (P<0.001) both in degree and area. After 7 times of acupuncture 10 patients’ angina pectoris were not only significantly alleviated (P<0.001) both in degree and area, but also in frequency and duration of attack. Fifteen patients were randomized to an acupuncture, non-acupuncture or acupuncture at non-acupoints (ANA) in a single blind design. The time from the beginning of exercise to the anginal attack in active acupuncture group was longer than that in non-acupuncture or ANA group (P<0.01), but they were similar (P>0.05) in both non-acupuncture group and ANA group. The time from the end of exercise to the disappearance of angina pectoris in acupuncture group was shorter than that in
Comparison of Anti-inflammatory, Analgesic Activities, Anaphylactogenicity and Acute Toxicity between Bee Venom and Its Peptides  
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Bee venom 1. 0 ~ 2. 0 mg/kg and bee venom peptides 1. 0 ~ 2. 0 mg/kg inhibited several inflammatory processes, such as ear swelling induced by xylene in mice, edema produced by injecting 1% carrageenin 0. 1 ml beneath the plantar surface of hind paw in rats and showed a marked analgesic action induced by the hot plate and potassium antimony tartrate. Bee venom peptides had a markedly more effective action as compared with bee venom itself. The anaphylactogenicity of bee venom peptides was apparently milder than that of bee venom. The LD50 of bee venom intraperitoneally in mice and bee venom peptides was 7. 4 mg/kg and 7. 9 mg/kg respectively.

Effect of Ligustrazine on Isolated Myocardial Ischemic Reperfusion Injury in Rats  
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In recent years, it is believed by some scholars that the injury of myocardial ischemic reperfusion is correlated to the thromboxane A2 (TXA2) released by platelets. In order to explore that whether the myocardial and hemangioendothelial cells participate in the TXA2 production during the process of reperfusion, the modified Langendorff method was used to establish the model of reperfusing the isolated rat heart. On the other hand, this experiment was also intended to observe the effect of ligustrazine on the injury of myocardial ischemic reperfusion. The results revealed that the levels of thromboxane B2 (metabolite of TXA2) and lactate dehydrogenase (LDH) in coronary sinus reflux fluid increased during the process of reperfusion, while the level of 6-keto-PGF1α in the same fluid relatively decreased (P < 0. 05). The ratio of TXB2/6-keto-PGF1α was raised. The ligustrazine inhibited the release of TXB2 and LDH, but promoted the production of 6-keto-PGF1α (P < 0. 05). The results also proved that the myocardial and hemangioendothelial cells could synthesize TXA2, and the amount of TXA2 released increased during the reperfusion of ischemic myocardium, which was likely to be the major factor of the injury of ischemic myocardial reperfusion. Ligustrazine plays an important role in protecting the myocardium.

Assessment of Early Pregnancy Detection with Sphygmogram of Smooth Pulse  
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In order to assess the clinical availability of early pregnancy detection with sphygmogram of smooth pulse, pulse pictures and endometrial tissues were simultaneously examined respectively with sphygmograph and pathological method in 205 cases of clinically diagnosed early pregnancy. Among them, 196 cases were pathologically confirmed as early pregnancy, 192 displayed smooth pulse on the sphygmogram. This shows the precision of sphygmogram of smooth pulse in detecting early pregnancy was 97. 6%, its sensitivity 97. 9%, Jorden index 0. 868, specificity 88. 9%, and misdiagnosis 11. 1%. Though its specificity was not quite satisfactory, sphygmogram of smooth pulse has proved to be a sensitive index with high precision and easy management. Therefore, it is well worth being popularized in China.