control group (all \( p < 0.01 \)), but the difference of the crFWW in both groups was not significant in comparison with baseline (all \( p > 0.05 \)).

**Conclusions** The composite salviae dropping pill, a traditional Chinese medicine, can decrease blood lipids and improve large artery elasticity in patients with CHD or coronary risk factors.

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**e0367 EFFECT OF TREATMENT OF HEPATOCYTE GROWTH-PROMOTING FACTOR ON IMPROVEMENT OF MYOCARDIAL ISCHAEMIA AND CARDIOPULMONARY FUNCTIONAL CAPACITY DURING THE EXERCISE IN PATIENTS WITH SEVERE CORONARY HEART DISEASE**

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**Objective** To test the hypothesis that the treatment of hepatocyte growth-promoting factors (pHGF) by venous injection improves myocardial ischaemia, kinetics of oxygen uptake (VO2) and cardiopulmonary functional capacity during exercise in patients with severe coronary heart disease.

**Methods** 88 patients enrolled for a two week treatment period were divided into pHGF group (30) and control (28). Treadmill graded exercise tests with gas analysis were conducted before and after treatment to evaluate the changes of cardiorespiratory function and myocardial ischaemia. LVEF was measured by ultrasound cardiography.

**Results** The degree of exercise-induced ST segment depression (⊿ST) were decreased significantly and HRmax and HRmax/⊿ST increased significantly in pHGF group. Compared to the control, total exercise time were prolonged more significantly and total exercise time/⊿ST and total work load were also increased more significantly in pHGF group. Maximal heart rate, VO2 peak and anaerobic threshold (AT) were increased more significantly in pHGF group than in control. Peak oxygen pulse was improved also significantly by 1.09 ml/beat in pHGF group. But there are no changes of LVEF in both group.

**Conclusions** The treatment of pHGF by venous injection improves favourably myocardial ischaemia during exercise, improves VO2 and AT further and enhances their exercise capacity on the basis of conventional medication.

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**e0368 EVALUATION OF THE EFFECT ON THE MANAGEMENT OF PATIENTS SUFFERING FROM CORONARY ATHEROSCLEROTIC HEART DISEASE COMBINED WITH CHRONIC HEART FAILURE**

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**Objective** To study the effect on the management of patients suffering from coronary atherosclerotic heart disease combined with chronic heart failure.

**Method** 1109 patients who discharged from our department were enrolled randomly. These patients were ranked as the manage group and control group. Patients in manage group accepted standardised management out of hospital, regular health education, and were followed up in the form of telephone and outpatient visit.

**Result** Compared with the control group, the manage group showed the lower rate of all cause of death, cardiac death and readmission due to cardiovascular events (CVE), declined by 32.0%, 36.5% and 58.4% respectively. All cause of death, cardiac death and readmission due to CVE in manage group had significantly negative correlation with the years of death. But there was no ascendency in reducing the rate of stroke and myocardial infarction.

**Conclusion** Through standardised management out of hospital, patients who were suffering from coronary atherosclerotic heart disease combined with chronic heart failure got significant benefit in reducing the rate of all cause of death, cardiac death and readmission due to CVE, and survival rate of patients was improved.

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**e0369 EXTRACORPOREAL CARDIAC SHOCK WAVE THERAPY PROMOTES ANGIogenesis AFTER ACUTE MYOCARDIAL INFARCTION IN PIGS EVALUATED BY REALTIME MYOCARDIAL CONTRAST ECHOCARDIOGRAPHY**

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**Objective** To evaluate the effect of neovascularization of extracorporeal cardiac shock wave therapy in a porcine model in vivo.

**Methods** Acute myocardial infarction was created by balloon occlusion of left anterior descending coronary artery and two different groups were divided (n=5 each). Real-time myocardial contrast echocardiography was performed before infarction and 1 day, 1 month after infarction. In the group A, the shock wave therapy was started 3 days after acute myocardial infarction and applied 9 sessions on 4 segments with low energy (0.09 ml/mm²) at 200 shoots/spot for 9 spots (−1~0~+1 combination) within 1 month and the group B was the control group.

**Results** Within 1 month follow-up, the death rate was 20% and 40% in 2 groups respectively. Neither arrhythmias nor other complications were observed during or after the shock wave therapy. Before infarction, there was no significant differences of regional blood flow valued by A-K on target segments between two groups. After infarction, followed at 1 day and 1 month, A-K decreased significantly before and after self control in both groups (p<0.05). In the group A, A-K was higher on 4 segments compared with the group B (p<0.05), and the blood perfusion of the middle region improved better than that of the apex region (86.57% vs 65.54%). Whereas the group B had little change.

**Conclusion** These results suggest that our extracorporeal cardiac shock wave therapy is a safe, non-invasive treatment in promoting angiogenesis that was associated by a substantial increasing of the regional blood perfusion in a porcine model of acute myocardial infarction.