those of controls, p<0.05. The expression of IL-23 protein were also higher than those of controls, which in concordance with the changes of mRNA.

**Conclusions** Our data show that local significantly increased levels of IL-23p19mRNA in myocardium and IL-23 may play a role in the pathogenesis of mice virus myocarditis.

**e0217 STUDY ON THE PROTECTIVE EFFECT OF THE MIXTURE OF SHENGMAI PULVIS AND DANSHEN DECOCITION ON THE MYOCARDIUM OF TYPE 2 DIABETIC CARDIOMYOPATHY IN RATS MODELS**

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**Objective** To study the effect of the Mixture of Shengmai Pulvis and Danshen Decocition in protecting rats of the type 2 diabetic cardiomyopathy (DCM) model.

**Methods** 42 SD rat models of DCM, established by combination of insulin resistance by a high-fat diet with intraperitoneal injection of high dose streptozotocin (50 mg/kg), were evaluated in the damage of the myocardium by ECG at the twelfth week after modelling, and the serum were analysed for blood glucose (GLU), cholesterol and triglycerides were significantly increased compared with the control group. The myocardial sub-cellular structural damage was observed by electron microscopy; the expression levels of cardiac TSP-1, TGF-β1 and TRB-3 proteins were detected by immunohistochemistry, the changes of the mRNA expression levels of TGF-β1 and TRB-3 were detected by real-time quantitative PCR.

**Results** Compared with the control group, the rat blood glucose, cholesterol, triglycerides were significantly decreased; the myocardial tissue was less damaged and the collagen fibre content was reduced in the group of the Mixture of Shengmai Pulvis and Danshen Decocition; The myocardial sub-cellular structural damage in electron microscopy was to a lesser extent, the expression levels of myocardial TSP-1, TGF-β1 and TRB-3 by Western blotting; and the changes of the mRNA expression levels of TGF-β1 and TRB-3 were detected by PCR detection were decreased than those of the control group.

**Conclusion** The Mixture of Shengmai Pulvis and Danshen Decocition can inhibit through multiple pathways the process of myocardial fibrosis in the rat myocardium of diabetic cardiomyopathy, and significantly delay the formation course of diabetic cardiomyopathy in hyperglycemia rats.

**e0219 STUDY ON THE ROLE OF CD4+CD25+ TREG ON Atherosclerosis IN Apoe-/- MICE**

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**Objective** To investigate the mechanism of CD4+CD25+ Treg in atherosclerosis in Apoe-/- mice.

**Methods** 28-weeks-old male ApoE-/- mice were randomly divided into two groups feeding high-fat diet (AH) or normal diet (AN). Ten C57BL/6 male mice feeding normal-diet (BN). After 12 weeks, the whole aorta from the root to crotch of iliac artery was separated and the whole blood were centrifugated to get the serum. Paraffin sections of aorta were stained with H&E and morphometric analysis were performed at 30 days and 90 days after the procedure. By histomorphometric analysis, similar injury scores were observed at the three arms (p>0.05). However, significant inflammation score reduction was seen in ZES group (ZES: 0.65±0.54, BN: 1.05±0.44, BMS: 0.94±0.75, p<0.001) compared to other two groups at 30 day, no differences in three groups at 90 day. Either at 30 day or 90 day, by qualitative analysis, well developed endothelium was seen in ZES arm, while impaired endothelium was observed with part of stent strut naked at vessel lumen at SES arm.

**Conclusion** Zedoray eluting stents can reduce neointimal hyperplasia with good endothelia coverage in porcine coronary model.