vascular smooth muscle cells. GSPE significantly reduced the AGEs (p<0.05), and the expression of RAGE in aorta of diabetic rats. The expression of 23 proteins was found either up-regulated or down-regulated in the aorta of untreated diabetic rats. Only the expression of 15 proteins was found either down-regulated or up-regulated in the aorta of GSPE treated diabetic rats. Among these proteins, in comparison with the aortic tissue of diabetic rats, the differential proteomic analysis of the aortic tissue of diabetic rats, treated by GSPE further revealed the variation of fifteen proteins, namely, lamin A, ATP synthase alpha chain, proline arginine-rich leucine-rich repeat protein precursor, LOC500183 protein, heat Shock Protein 27, enoyl-CoA hydratase, glutamate dehydrogenase, protein-L-isoaspartate (D-aspartate) O-methyltransferase 1, lactadherin, leucine aminopeptidase 3, adenylyl cyclase-associated protein 1, apolipoprotein A-I, aspartate) O-methyltransferase 1, lactadherin, leucine aminopeptidase 3, adenylyl cyclase-associated protein 1, apolipoprotein A-I, catalase, Dermincid, and fibrinogen β chain. In brief, the differentially expressed proteins were related to many important biological functions including metabolism, oxidative stress, signal transduction, cell proliferation, cell growth, apoptosis and heat shock.

**Conclusion**
GSPE plays an important role against diabetic macrovascular complications. Our findings might help to better understanding of the mechanism of diabetic macrovascular complications, and provide novel targets for estimating the effects of GSPE therapy.

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**Objective**
The present study was undertaken to investigate the protective effects of losartan on cardiomyocyte apoptosis in chronic heart failure (CHF) rats induced by banding abdominal aorta.

**Methods**
SD rats underwent abdominal aorta coarctation to induce CHF, confirmed by ultrasound cardiograph and Catheterisation, or sham operation, followed by 8 weeks treatment with Losartan or vehicle. Plasma NE was measured by ELISA, and plasma and tissue Ang II levels were measured by RIA. Cardiomyocyte apoptosis was examined by agarose gel electrophoresis and TUNEL

**Results**
Western blot. The protein expression of phosphorylated and total Akt were assessed by Western blot.

**Conclusion**
Losartan might inhibit cardiomyocyte apoptosis and improve cardiac function in aortic banded rats by blocking Ang II to bind AT1-R and promoting the activation of Akt.

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**Objective**
To investigate the relationship between the A1166C allele polymorphism of angiotensin II Type 1 Receptor (AT1R) gene and the essential hypertension in Kazakans of Xinjiang.

**Methods**
PCR and restriction fragment length polymorphism methods (PCR-RFLP) were used to detect the A1166C polymorphism of AT1R gene in Kazakans including 321 patients with hypertension and 205 normotensive controls. The frequencies of genotype distribution hypertensives and normotensives were studied.

**Results**
The genotype frequencies of A1166C were AA 0.7624, AC 0.2268, CC 0.0108 in the hypertension group and the corresponding frequencies were 0.8301, 0.1199 respectively in hypertension group and 0.8768, 0.1232 in normotensive group. The distribution of A1166C-genotype and the allele frequencies of A1166C and 1166C were not statistically significant in hypertension group as compared to normotensive group (p>0.05).

**Conclusion**
There was no significant association found between the A1166C polymorphism of AT1R gene and essential hypertension in Kazakans of Xinjiang. Abbreviations: Angiotensin II Type 1 Receptor (AT1R).

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**Objective**
To study the distribution of genotypes about aldehyde dehydrogenase-2 (ALDH2) and its relationship with drinking behaviours in males.

**Methods**
226 males were enrolled for collecting blood samples and data about drinking behaviours. ALDH2 genotypes were detected by PCR-restriction fragment length polymorphism (PCR-RFLP).

**Results**
1. The frequency of ALDH2 G1951A mutant allele was 0.077;
2. The frequency of ALDH2 mutant genotypes (GA+AA) was significantly lower in males whose daily alcohol consumption ≥52.83 g (mean of daily alcohol consumption) than those of <32.83 g (p<0.05).

**Conclusion**
ALDH2 G1951A Polymorphism was found in males of Xinjiang, and it was associated with drinking behaviour.

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**Objective**
To study the relationship between aldehyde dehydrogenase-2 (ALDH2) G1951A gene polymorphism and Obstructive Sleep Apnoea Syndrome (OSAHS) in male drinkers.

**Introduction**
To study the relationship between aldehyde dehydrogenase-2 (ALDH2) G1951A gene polymorphism and Obstructive Sleep Apnoea Hypopnoea Syndrome (OSAHS) in male drinkers.