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EFFECTS OF ALDOSTERONE ON L-TPYE CALCIUM CHANNEL AND ELECTROPHYSIOLOGICAL FEATURES ON CARDIOCYTES

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Objectives to investigate the effect of aldosterone on L-type calcium channel and electrophysiological features on cardiocytes.
Methods Single ventricular myocytes were isolated by enzymatic dissociation method. Isolated adult rat ventricular myocytes exposed for 48 h to aldosterone 100 nmol/l, APD and $I_{Ca,L}$ were recorded by using whole cell patch clamp technique.
Results we observed an increase in the APD 50, APD90 and $I_{Ca,L}$ in Ald group, I–V curve of $I_{Ca,L}$.
Conclusions Aldosterone on cardiocytes increase in the APD and $I_{Ca,L}$ which may contributes to cardiac arrhythmia.

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