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**VARIATION AND SIGNIFICANCE OF SERUM CARP IN PATIENTS WITH ATRIAL FIBRILLATION**

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**Objectives** To investigate the changes and significance of serum levels of CARP in patients with atrial fibrillation (AF), and evaluate the relationship between CARP and AF.

**Methods** 124 patients with hypertension or coronary heart disease were enrolled in this study, including atrial fibrillation group (n=64) and sinus rhythm group (n=60).

**Results** The levels of serum CARP in atrial fibrillation group were significantly higher than those in sinus rhythm group ( $p<0.05$ ); the levels of serum CARP in Persistent AF were higher than those in Paroxysmal AF group ( $p<0.05$ ); the levels of serum CARP in Paroxysmal AF were higher than those in sinus rhythm group ( $p<0.05$ ).

**Conclusions** The level of serum CARP has a special significance in the progress of atrial fibrillation.