

**Abstract:**

Acute Kidney Injury (AKI) is common complication after (CABG) (Coronary Artery Bypass Graft).

In %30 of the patients that was operated by Cardiopulmonary Bypass (CPB) AKI was seen.

Research Goal:

We want evaluate complications of CABG operation essentially by 24h urine microalbumin and by another renal parametrs after using two different CPB methods ,one Continuous and another Pulsatile methods.

In this study 32 persons selected that were candidate for CABG operation randomly and 16 persons from them operated by Continuous method of CPB and another 16 persons operated by pulsatile method.

In eigther two groups' urine microalbumin urine creatinine and blood creatinine calculated in three stages include :

Oneday before operation, one day after operation and seven day after operation.

Results:

In this study result showed that was not valuable difference between two groups and conditions was equal with attention to age ,sex,and weight and also was not valuable difference between two groups with attention to 24h urine microalbumin level ,urine volume,24h urine creatinine, serum creatinine and creatinine clearance.

Conclusions:

This study showed that CABG operation by eigther two methods, Continuous CPB and Pulsatile CPB, had same complications and H1 theaory was not accepted and H0 theaory was accepted.

**Keywords:** Microalbuminury, Urine 24h,Coronary Artery Bypass Graft Surgery, CPB Pulsatile, CPB Continuous.