

## 빠르게 회복된 병원 발생 급성 콩팥병의 예후연구: 2개의 집단 전향적 연구

순천향대학교 서울병원 신장내과

권순호, 유진영, 이지연, 전진석, 노현진, 한동철

### Similarities between Long-Term Outcomes of Rapid Reversal of Hospital Acquired Acute Kidney Injury and Long-Duration Acute Kidney Injury: A Prospective Two Cohorts Study

Soon Hyo Kwon, Jinyoung Yoo, Jiyeon Lee, Jin Seok Jeon, Hyunjin Noh, Dong Cheol Han

Division of Nephrology Soonchunhyang University Seoul Hospital

**Background:** Acute kidney injury (AKI) is defined and staged according to serum creatinine levels. The prognosis is associated with the degree of creatinine increment. However, the long-term prognosis of rapidly reversed AKI irrespective of severity has not been well evaluated in hospital and intensive care unit setting (ICU).

**Material and Methods:** We analyzed two cohorts of hospital-acquired AKI in teaching hospital. The definition and severity AKI was classified according to the AKI Network (AKIN) staging criteria. First cohort was prospective enrolled hospital acquired AKIs from from September 2007 to August 2008 and followed up their long-term outcomes until 2011. In second cohort, we enrolled critically ill patients AKI in ICU from 2008 for 1 year and follow up until 2011. The duration of AKI was categorized as AKI for 1 to 2 (rapidly reversed AKI), 3 to 6 (medium duration AKI), at least 7 days (long-duration AKI) and persistent AKI, depending on renal recovery to baseline at the time of discharge.

**Results:** The data showed that persistent AKI and AKIN stage 3 were both associated with high mortality rates in both cohorts. The long term outcome of rapid reversal AKI was similar to that of long duration of AKI (Fig. 1). The data showed that persistent AKI and AKIN stage 3 were both associated with high mortality rates, but, there were no differences between the long-term outcomes of each duration group

**Conclusions:** The severity and reversibility of AKI influence the hospitalized patients' mortality rates. Rapidly reversed AKI has the same effects over the long-term outcome compared to the long late reversal group in hospital setting and in ICU setting.

**Key Words:** 급성 신손상, 예후, 기간

Acute kidney injury, Pronosis, Duration

