

## 만성 B형 간염 환자에서 예방적 항바이러스제가 신장 이식후 장기 경과에 미치는 영향

울산대학교 서울아산병원 신장내과

박경선, 한덕중, 김송철, 박재범, 박정식, 박수길

### Long-Term Impact of Prophylactic Antiviral Treatment in Hepatitis B-Positive Renal Allograft Recipients

Kyung Sun Park, Duck Jong Han, Song Cheol Kim, Jae Berm Park, Jung Sik Park, Su-Kil Park

Department of Nephrology, University of Ulsan, Asan Medical Center

Prophylactic antiviral treatment has been known as an effective strategy for the prevention of hepatic dysfunction in hepatitis B-positive renal allograft recipients, compared with salvage treatment after hepatic dysfunction with hepatitis B virus (HBV) reactivation. However the long-term impact of prophylactic antiviral treatment on the patient death, graft loss, and hepatic decompensation has not yet demonstrated. 94 HBV-positive patients who underwent kidney transplantation (KT) from February 1997 to November 2009, were retrospectively analyzed. Mean follow-up was 75.7 months. The clinical outcomes of 56 patients who received antiviral prophylaxis (group 1) and other 38 without prophylaxis (group 2) were compared. In group 1, 51 patients received lamivudine and 5 received entecavir as prophylaxis. In group 2, 16 patients were treated with lamivudine and 2 with entecavir after HBV reactivation. Other 20 patients (53%) of group 2 who never received antiviral agent survived without hepatic dysfunction (mean duration 85 months, range 1–161 months). Cox-regression analysis could not identify any clinical impact of prophylactic antiviral treatment for death (OR 1.29, 95% CI 0.37–4.49,  $p=0.693$ ), graft failure (OR 1.96, 95% CI 0.69–5.57,  $p=0.206$ ) and decompensated liver disease (OR 2.01, 95% CI 0.35–11.57,  $p=0.434$ ). Lamivudine resistance occurred to 21 patients (41%) of group 1 and four (25%) of group 2, respectively ( $p=0.243$ ). Mean time of resistance after KT was 82 of group 1 and 132 months of group 2, respectively ( $p=0.001$ ). Our data therefore suggest that the routine prescription of antiviral prophylaxis for HBV-positive renal allograft recipients might be unnecessary.

**Key Words:** B형 간염, 신장 이식, 예방적 항바이러스 치료

Hepatitis B, Kidney Transplantation, Antiviral prophylaxis