

anti-HBs level in group 1 (154.17 mIU/ml) was significantly higher than group 2 (59.00 mIU/ml), $p=0.044$. Seroconversion rate after first dose was 15 % in group 1, 8.1% in group 2 ($p=0.1732$) whereas after the second dose, seroconversion rate in group 1 (92.5%) was significantly higher than group 2 (72.9%), $p=0.0058$. However, when three complete doses of hepatitis B vaccine were given, the seroconversion rate was 100 % in both groups. Reactogenicity noticed in these groups was not significantly different. Some of studied subjects had adverse reaction such as local pain, itching, malaise and headache after first dose (group 1; 32.5% , group 2; 27.03%), second dose (group 1; 32.5%, group 2; 27.03%) and third dose (group 1; 27.5%, group 2; 18.92%). No severe reaction was found. The study indicates that the half dose of hepatitis B vaccine may be sufficient in the prevention of hepatitis B in adults.