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EVALUATION OF LIVER FUNCTION, IN PARTICULAR L/R RATIO, BY HEPATOBILIARY SCINTIGRAPHY. S.Fukae,N.Umezaki,S.Morita,H.Ohtake.Department of Radiology, Kurume University School of Medicine, Kurume.

Hepatobiliary scintigraphy using Tc-99m-E-HIDA was performed in 50 patients with histological proven tissue diagnosis. (normal liver:Nor n=35. chronic active hepatitis:CAH n=2. liver cirrhosis:LC n=13) Time activity curves were obtained by setting ROI in each of the right and left lobes of the liver, and hepatic uptake ratio (Ku), hepatic excretion ratio (Ke), and peak time (Pt) were determined by two compartment analysis. In addition, L/R ratio of Ku, Ke and Pt were evaluated. Significant differences in Ke, Pt of the right lobe and in L/R ratio of Ke, Pt were noted between a normal group and CAH, LC groups respectively. The comparison of the function between the right and left lobes of the liver revealed the dominant function in the right lobe rather than the equal for Nor, whereas the equal or dominant function in the left lobe was observed in patients with chronic hepatic disorders such as CAH and LC.
