

# Red Cell Survival Estimated by Radioactive Chromium in Hepatobiliary Disease

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Red cell survival was studied by radioactive chromium technique in 15 cases of hepatitis, 13 of cirrhosis of the liver, and 6 of extrahepatic obstructive jaundice. All patients but 2 with hepatitis and 1 with cirrhosis had a reduced  $t_{1/2}$ . No correlation was observed between the  $t_{1/2}$  values and serum bilirubin, hemoglobin, or other parameters of liver function. Administration of corticosteroids did not influence hemolysis. In cross transfusion studies the mechanism of hemolysis was extracorporeal in the majority of our cases. © 1963, The Williams & Wilkins Co.. All rights reserved.