

# Experimental Models of Hepatic Fibrosis in the Rat

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## Abstract

*The rat is a frequently used experimental model in studies involving human disease. We review several methods of inducing hepatic fibrosis and cirrhosis in rats. These include induction by hepatotoxins and hepatocarcinogens such as carbon tetrachloride, dimethylnitrosamine, thioacetamide and furan; the hepatotoxin-cum-nutrient, alcohol; a high fat-low choline-low protein diet; immunologic agents such as heterologous serum or bacterial cell wall products; and obstructive jaundice and biliary cirrhosis by common bile duct ligation.*

*Ann Acad Med Singapore 1999; 28:109-11*

*Key words: Alcoholic liver disease, Bile duct ligation, Carbon tetrachloride, Liver cirrhosis*