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Description Notes Alvin L. Young filed this item under "Vietnam Veterans Twin Study." Provides proposed screening tests of hepatic function and references.

PROPOSAL - PROTOCOL II

PROPOSED SCREENING TESTS OF HEPATIC FUNCTION (modified from 3)

<u>TEST</u>	<u>DETECTS HEPATIC ABNORMALITY</u>	<u>SENSITIVITY</u>	<u>SPECIFICITY</u>	<u>RATIONALE FOR UTILIZATION</u>
Bilirubin	Biliary obstruction	No	No	Standard test for biliary obstruction, specificity increased through use of other tests
Alkaline Phosphatase	Biliary obstruction Infiltrative disease	Yes	No	Very sensitive test, specificity increased through use of other tests
SGOT	Hepatocellular necrosis	Yes	No	Sensitive test, specificity increased through use of other tests
SGPT	Hepatocellular necrosis	Yes	Yes	Test is both sensitive and specific
GTTP	Biliary obstruction Hepatocellular necrosis Ethanol ingestion	Yes	No	Helps distinguish hepatic from non-hepatic origin of alkaline phosphatase; one of the most sensitive indicators of chronic alcohol ingestion
Serum Albumin & Globulin	Cirrhosis Hepatocellular necrosis	No	No	Helpful in detecting more severe degrees of hepatic damage
Hepatitis Associated Antigen & Antibodies	Viral hepatitis	Yes	Yes	Excellent tests for understanding hepatitis infection history
Aminopyrine Breath Test	Microsome induction	No	No	Quantitates microsomal function
Serum Bile Acids	Biliary obstruction Hepatocellular necrosis	Yes	Yes	Sensitive and specific test
Porphyrins	Porphyria	Yes	Yes	Sensitive and specific test

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