

# Radionuclide Diagnosis of the Liver Diseases with Regional Importance in the Far East

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The liver diseases with regional importance in the Far East are hepatoma, amebic abscess, and intrahepatic lithiasis. This presentation will deal with the radionuclide diagnosis of these diseases.

The radionuclide methods which have been used for diagnosing the liver diseases mentioned above include technetium-99m sulfur colloid liver scintigraphy, In-113m perfusion study<sup>1)</sup>, radionuclide diffusion hepatography<sup>2)</sup>, sequential Tc-PG liver scintigraphy<sup>3)</sup>, Ga-67 liver scan, and determination of technetium-99m HIDA hepatic lobar distribution and retention ratios<sup>4)</sup>.

Our results of radionuclide diagnosis of hepatoma, amebic abscess and intrahepatic stones will be presented and discussed. From our experience, the proper combination of these simple and innocuous techniques would be very useful for screening these diseases.

## REFERENCES

- 1) Yeh, S.H., Shih, W.J., and Liang, J.C.: *Intravenous radionuclide hepatography in the differential diagnosis of intrahepatic mass lesions. J Nucl Med 14:565, 1973.*
- 2) Yeh, S.H.: *Intravenous radionuclide diffusion hepatography in hepatic abscesses and congenital solitary cysts. Clin Nucl Med 1:10, 1976.*
- 3) Yeh, S.H., Liu, O.K., Huang, M.J.: *Sequential scintiphotography with technetium-99m pyridoxylidene-glutamate in the detection of intrahepatic lithiasis: Concise communication. J Nucl Med 21:17, 1980.*
- 4) Yeh, S.H., Liu, O.K., Chiu, P.F., and Huang, M.J.: *Technetium-99m HIDA hepatic lobar distribution and retention ratios in the detection of intrahepatic calculi. Proceedings of the 27th Annual Meeting of American Society of Nuclear Medicine, Detroit, June 24-27, 1980, pp. 19.*