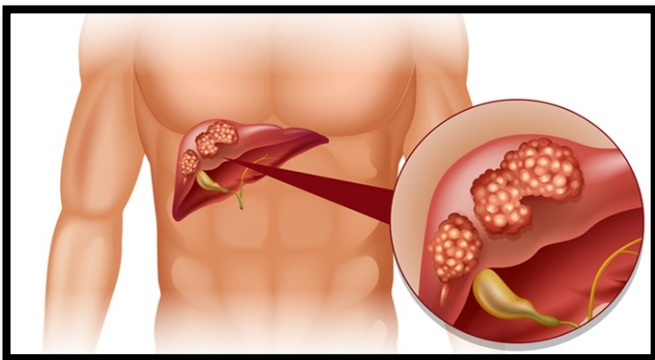


Hydrogen Water : A boon for Liver Cancer Patients

-Liver Cancer?

Liver cancer is cancer that begins in the cells of your liver. Your liver is a football-sized organ that sits in the upper right portion of your abdomen, beneath your diaphragm and above your stomach. It helps your body digest food, store energy and remove poisons.



Several types of cancer can form in the liver. The most common type of liver cancer is hepatocellular carcinoma, which begins in the main type of liver cell (hepatocyte). Other types of liver cancer, such as intrahepatic cholangiocarcinoma and hepatoblastoma, are much less common. Symptoms can include a lump or pain on the right side of your abdomen and yellowing of the skin.

-How Hydrogen improves QOL of patients with Liver Cancer?

Daily consumption of Hydrogen-rich water is therapeutic strategy for improving QOL of

patients after radiation exposure. HW reduces the biological reaction to radiation-induced oxidative stress without compromising anti-tumor effects.

HW maintains biological antioxidant activity in patients even after 6 weeks of radiotherapy. Hydrogen reduces oxidative markers in patients receiving radiotherapy for liver cancer. HW not only functions as an antioxidant, but also plays a protective role by inducing radioprotective



hormones or enzymes.

It has been estimated that 60-70% of the ionizing radiation-induced cellular damage is caused by hydroxyl radicals. Hydrogen works as a scavenger of harmful free radicals like Hydroxyl and nitrosyl radicals.

In conclusion, Hydrogen-rich water improves QOL and reduces oxidative markers in patients receiving radiotherapy for liver tumors.

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