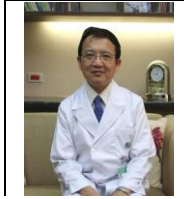


The role of inhibition of sonic Hedgehog signaling pathway in increasing the sensitivity of doxorubicin in hepatocellular carcinomaDr. **Jeng_Kuo_Shyang**

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**Abstract:**

Hepatocellular carcinoma (HCC) is the one of the leading causes for cancer death worldwide. Because of its high complexity, heterogeneity and early vascular metastasis, the recurrence rate remains high. Chemotherapy is for those who are not candidate for resection or who need down staging treatments prior to liver transplantation or who develop postoperative recurrence. However, poor responses to chemotherapeutic reagents and side effects remain problem. Therefore, to increase the therapeutic effect and reduce side effect in chemotherapy is an important issue. In this study, Hh signaling pathway is involved for HCC cell survival, cell migration and cancer stem cells. In addition, there is a synergistic effect to reduce cell survival and cell migration when combining Smo inhibitor GDC-0449 and chemotherapeutic drug Doxorubicin. It suggested the blockade of Shh pathway could increase the sensitivity of doxorubicin in HCCs.

Biography:

Dr.Kuo-Shyang Jeng is currently the Vice-superintendent of Far Eastern Memorial Hospital, New Taipei City, Taiwan. He graduated from Medical College of National Taiwan University in 1977 and became Professor of Surgery at the National Cheng Kung University in 2001

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Forner A, Reig M, Bruix J. Hepatocellular carcinoma. LANCET. . Chen QF, Wu PH, Huang T, Shen LJ, Huang ZL, Li W. Efficacy of treatment regimens for advanced hepatocellular carcinoma: A network meta-analysis of randomized controlled trials. Medicine (Baltimore). Kudo M, Finn RS, Qin S, Han KH, Ikeda K, Piscaglia F, et al. Lenvatinib versus sorafenib in first-line treatment of patients with unresectable hepatocellular carcinoma: a randomised phase □ non-inferiority trial. LANCET.

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