



CURRENT POSTGRADUATE STUDENT

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PROGRAM	PhD in Surgery	
DATE OF REGISTRATION	1 st September 2016	
SUPERVISOR	Professor Paul BS LAI and Professor George G CHEN	
FIELD OF RESEARCH / INTENDED THESIS TITLE	Liver cancer	
KEYWORDS FOR RESEARCH	Hepatocellular carcinoma; CYP1A2; Sorafenib resistance	
RESEARCH STUDY:		
<p>Hepatocellular carcinoma (HCC) is one of the most lethal cancers worldwide. Cytochrome 450 1A2 (CYP1A2) is a member of the cytochrome P450 mixed-function oxidase system and plays an important role in drug metabolism. Besides, the activity and expression level of CYP1A2 is significantly downregulated in liver cancer tissues, especially HCC. In addition, though sorafenib has become the first-line treatment of advanced HCC patients. However, the benefit of prolonged overall survival is limited due to the drug resistance. Our study is aim to evaluate the underlying mechanism of CYP1A2 suppression in liver carcinogenesis and at the same time to investigate whether decreased sensitivity of sorafenib is correlating with loss of CYP1A2 in HCC.</p>		
CONFERENCE TITLE / ABSTRACT / POSTER:		
NA		