

论著

# 重氮乙酰丝氨酸诱导大鼠胰腺腺泡细胞癌前病变及其K-ras 基因突变的实验研究

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**摘要** 建立大鼠胰腺腺泡细胞癌前病变的动物模型,了解该癌前病变及K2ras 基因突变的情况 雄性Wistar 大鼠单次腹腔注射重氮乙酰丝氨酸30mg/ Kg 体重,4 个月后常规取胰腺组织行光镜和电镜检查,并应用PCR2SSCP 法检测K2ras 基因突变情况 大鼠胰腺腺泡细胞癌前病变发生率100 % ,K2ras 基因突变率4211 %。重氮乙酰丝氨酸可成功诱导大鼠胰腺腺泡细胞癌前病变,K2ras 基因突变在此过程中属早期事件。

**关键词** [重氮乙酰丝氨酸](#) [胰腺肿瘤](#) [K-ras 基因](#)

## THE EXPERIMENTAL STUDY OF PRECANCEROUS LESION OF PANCREATIC ACINAR CELLULAR CANCER IN RATS INDUCED BY AZASERINE AND THE DETECTION OF K2RAS MUTATION

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**Abstract** To set up the animal model of precancerous lesion of rat's pancreatic acinar cellular cancer , learn its biological feature and K2ras gene code 12 mutation. Male Wistar rat s were injected Azaserine 30mg/ kg (ip) . 4 months later , rat s'pancreas were autopsied and K2ras gene code 12 mutation were detected by PCR2SSCP. The incidence of precancerous lesion of rat s'pancreatic acinar cellular cancer was 42. 1 % . Azaserine could induce precancerous lesion of rat s'pancreatic acinar cancer successfully , K2ras gene code 12 mutation was early change during this process.

**Keywords** [Azaserine](#) [Pancreatic neoplasm](#) [K-ras gene](#)

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