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Ultrastructural study of 1,2-DMH induced colorectal carcinoma in rats

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Abstract The ultrastructure of the 1,2-dimethylhydrazine (1,2-DMH) induced colorectal carcinoma was studied in rats. The ultrastructural changes varied with the elapse of time. In the 10th to 15th week after 1,2-DMH injection, the cell membrane of the epithelial cells of the colorectal mucosa was irregular or rugous, their nuclei enlarged and the microvilli irregular. In the 16th to 32nd week, the carcinoma was well-formed. The nuclei of the cells of the adenocarcinoma were markedly enlarged with increased amount of heterochromatin; in the cytoplasm, there was a decrease of mucinous granules and an increase of ribosomes; and on the surface of the cells, the microvilli were irregular and the desmosomes between cells were decreased in number. These were the ultrastructural characteristics in the carcinogenesis of colorectal carcinomas.

Key words 1,2-dimethylhydrazine*; intestinal neoplasms/LU; rat

从一患者尿道同时分离出淋病奈瑟氏菌及卡他布兰汉氏菌

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我科1992年从一例男性患者尿道分泌物中同时分离培养出淋病奈瑟氏菌及卡他布兰汉氏菌。现报道如下：

病例：患者男，32岁，某单位采购员。本次就诊前两周，尿道口红肿，并有分泌物流出，经自己服用SMZ，症状减轻，但未痊愈。现仍有尿道口不适感，早晨可见少量分泌物。因其有过不洁性交史，本次就诊要求做淋球菌培养及药敏。取患者分泌物做涂片镜检，发现有革兰氏阴性双球菌。继而将分泌物接种于巧克力培养基上，置于36℃ CO_2环境中，培养48 h后发现培养基表面生长出两种不完全相同的菌落，涂片染色均为革兰氏阴性球菌，多数成双排列，呈咖啡豆状。经进一步鉴定结果如下：一种细菌氧化酶为阳性，发酵葡萄糖，不发酵乳糖，麦芽糖，果糖，蔗糖；由此判为淋病奈瑟氏菌[1]。另一种细菌氧化酶也为阳性，但不发酵以上各种糖。在普通血琼脂平板上培养48 h后，形成灰白色，圆形，光滑凸起，边缘整齐，干燥较硬不溶血的菌落。根据涂片染色结果，菌落特点及生化特性判为卡他兰汉氏菌[2]。

关键词 淋病奈瑟氏菌；卡他布兰汉氏菌*
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