

## 研究業績 英文表記

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表題	ラット及びブタ肝小葉の立体構造
著者名	地村香織、大澤得二
所属	九州栄養福祉大学
英文	
Title	Three-dimensional architecture of rat and swine hepatic lobules.
Author	Kaori CHIMURA and Tokuji OSAWA
Affiliation	Kyuusyu Nitrition Welfare University
Abstract	<p>The structure of rat and swine hepatic lobules were examined by light microscopy. Rat hepatic cells gathered around the central veins, forming polygonal hepatic lobules. Hepatic cells around the central veins which were located just below the surface of the liver, formed the half part of the polygonal structure. In case of that two central veins joined to form larger vein, two hepatic lobules also joined, resulting in the formation of larger lobules containing two central veins. Sublobular veins went through in the connective tissue between hepatic lobules and turned along the angles of the hepatic lobules. Interlobular arteries, veins, bile ducts bifurcated all together without disorder in the constitution of interlobular trias. Interlobular veins showed extremely large diameter in the area that the portal vein penetrated into the liver. Horizontal, longitudinal and cross sections of swine liver showed the similar polygonal structure of Glisson's sheath. Illustrations showing the architecture of the hepatic lobules as the polygonal prism, which are commonly seen in the textbooks of histology, should be changed according to this fact. In the present study, the authors would like to hypothesis that the hepatic lobules develop around the central veins to form a bunch of grapes-like structure. Each lobules are tightly contacted with the adjacent lobules, resulting in the polygonal architecture in horizontal, longitudinal and cross sections.</p>
keyword	Three-dimensional architecture, hepatic lobules, light microscopy

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