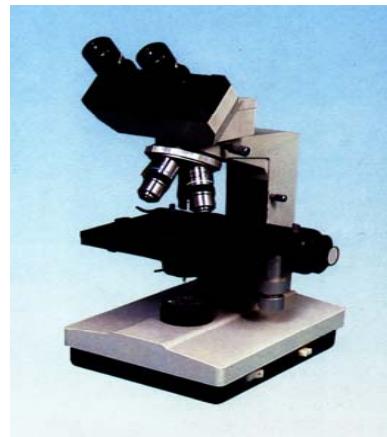
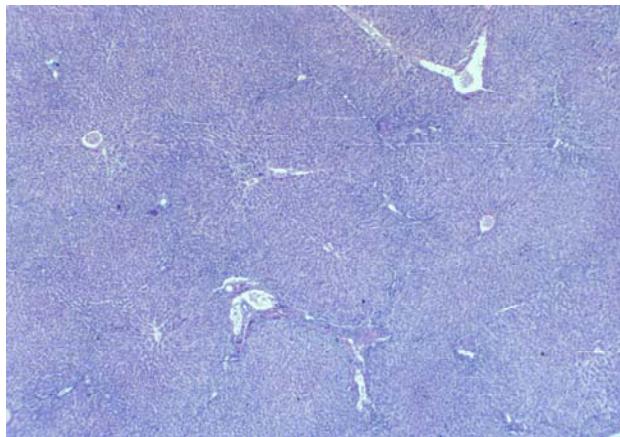
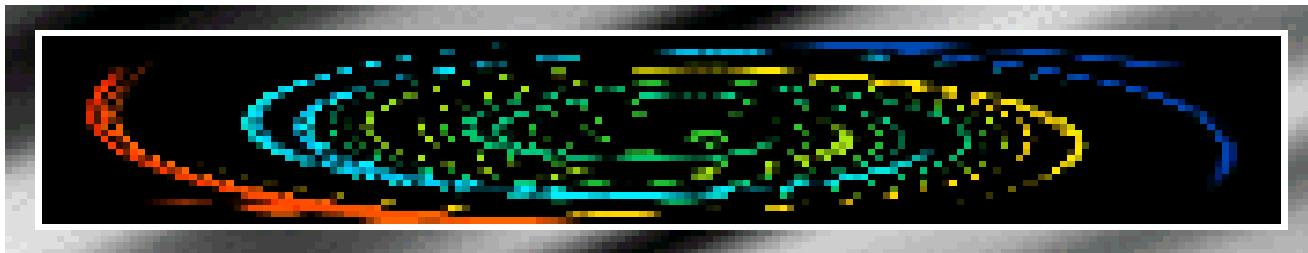


# Experimental Courseware of Histology and Embryology



**Chapter 1 Introduction and Cell**

**Chapter 2 Epithelial tissue**

**Chapter 3 Connective Tissue**

**Chapter 4 Blood**

**Chapter 5 Cartilage and Bone**

**Chapter 6 Muscle Tissue**

**Chapter 7 Nerve Tissue**

**Chapter 8 Circulatory System**

**Chapter 9 Immune System**

**Chapter 10 Skin**

**Chapter 11 Digestive Tract**

**Chapter 12 Digestive Gland**

**Chapter 13 Respiratory System**

**Chapter 14 Urinary System**

**Chapter 15 Endocrine System**

**Chapter 16 Sense Organs**

**Chapter 17 Male Reproduction**

**Chapter 18 Female Reproduction**

**Chapter 19 Embryology 1**

**Chapter 20 Embryology 2**

# **Chapter 12 Digestive Gland**

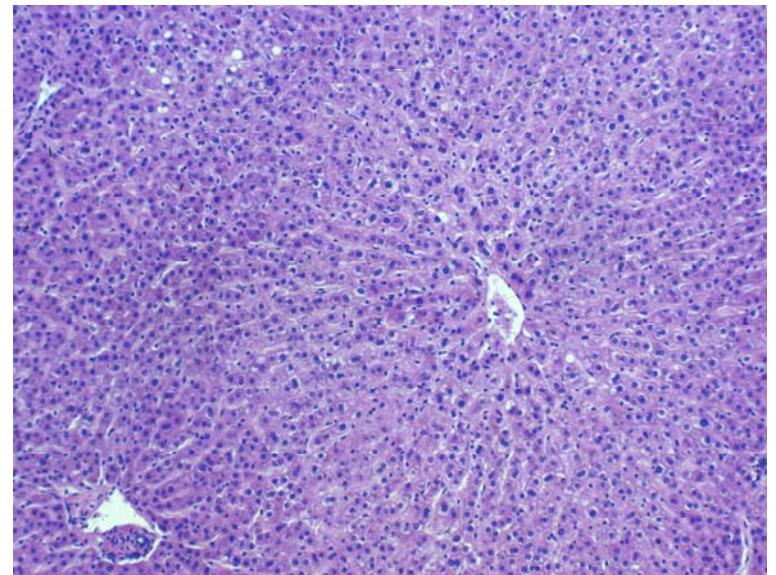
I Slides

**II Sections**

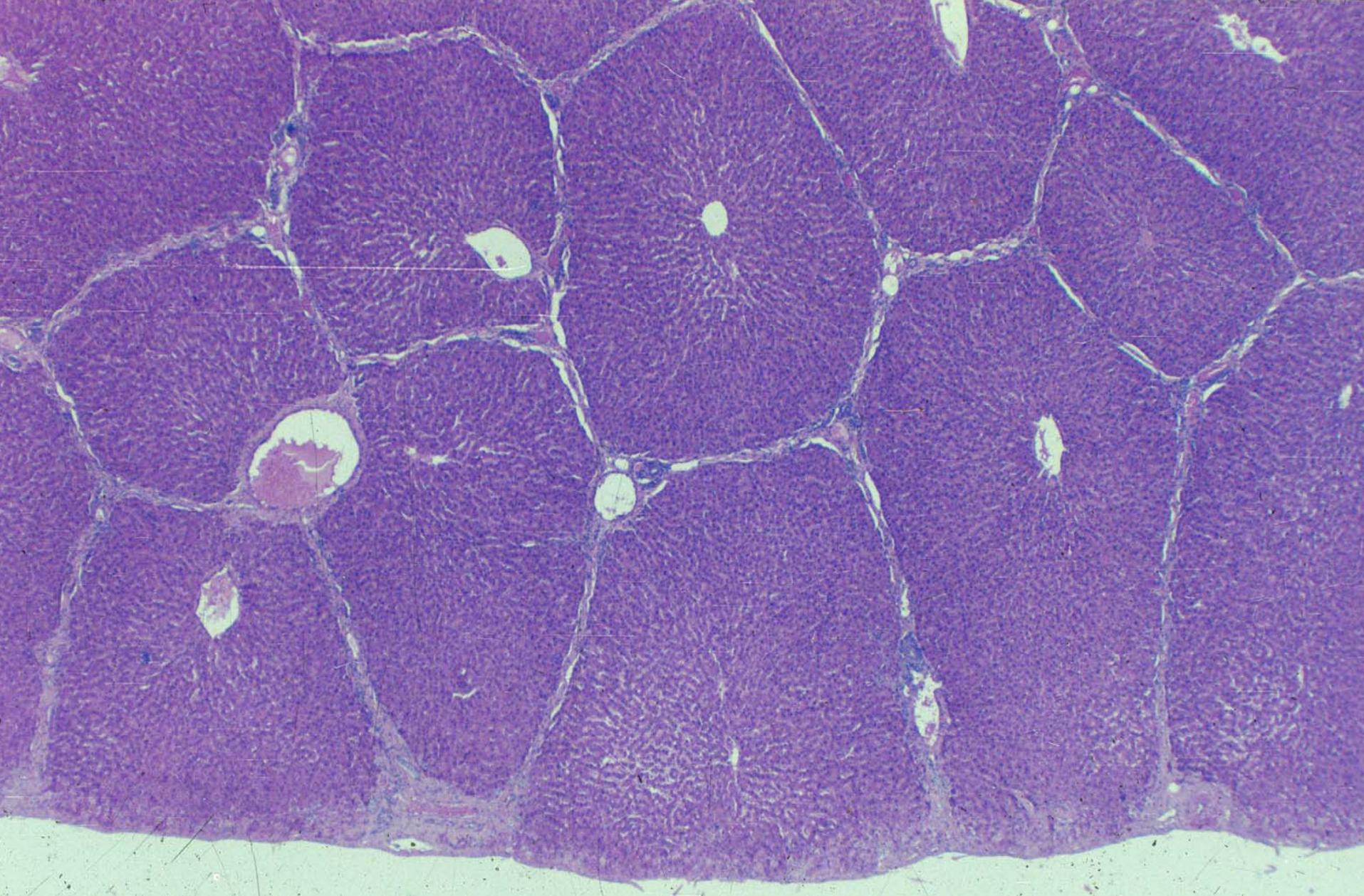
NO.70 liver

NO.68 pancreas

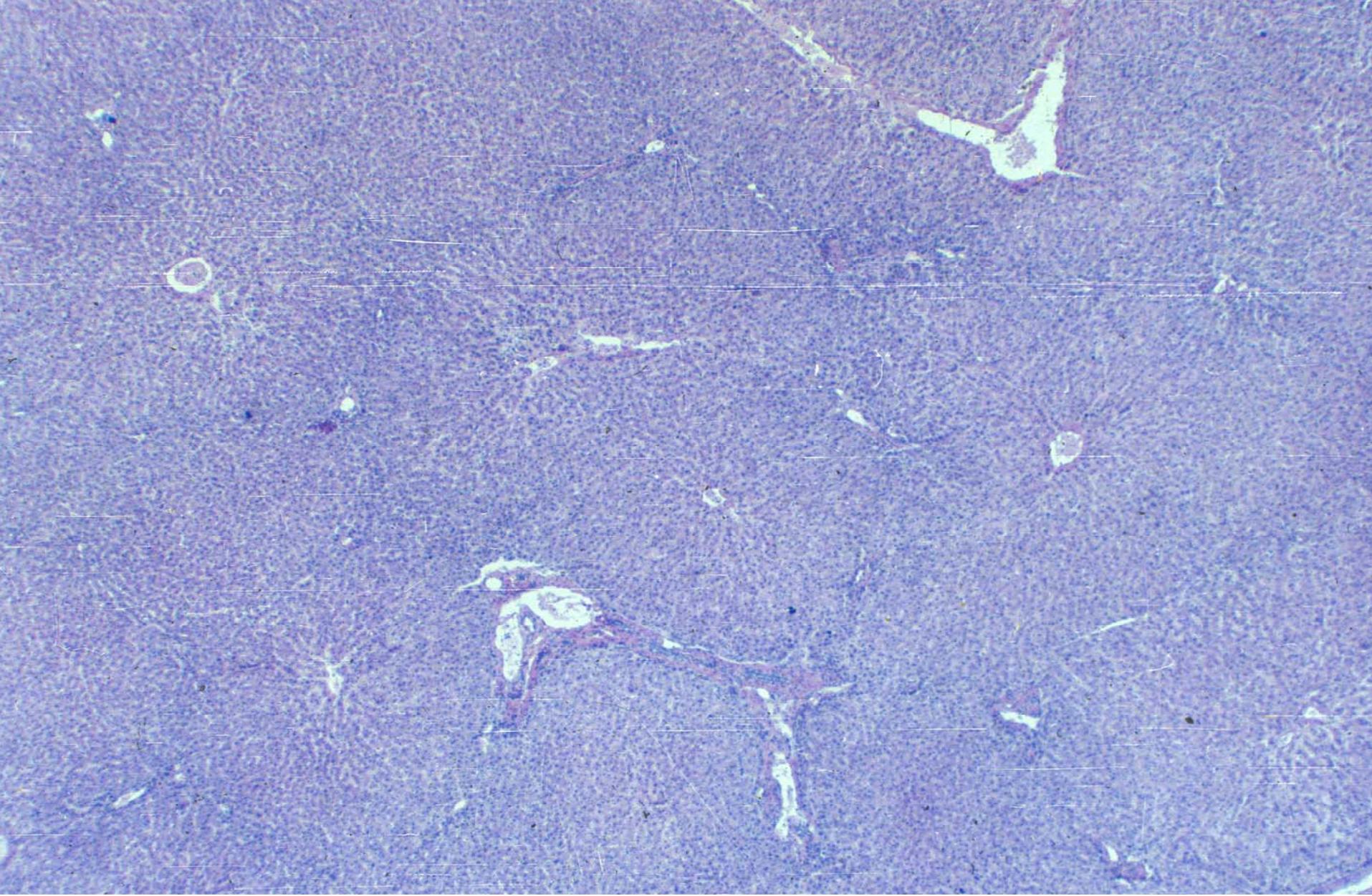
**III EM photos: 52---58**



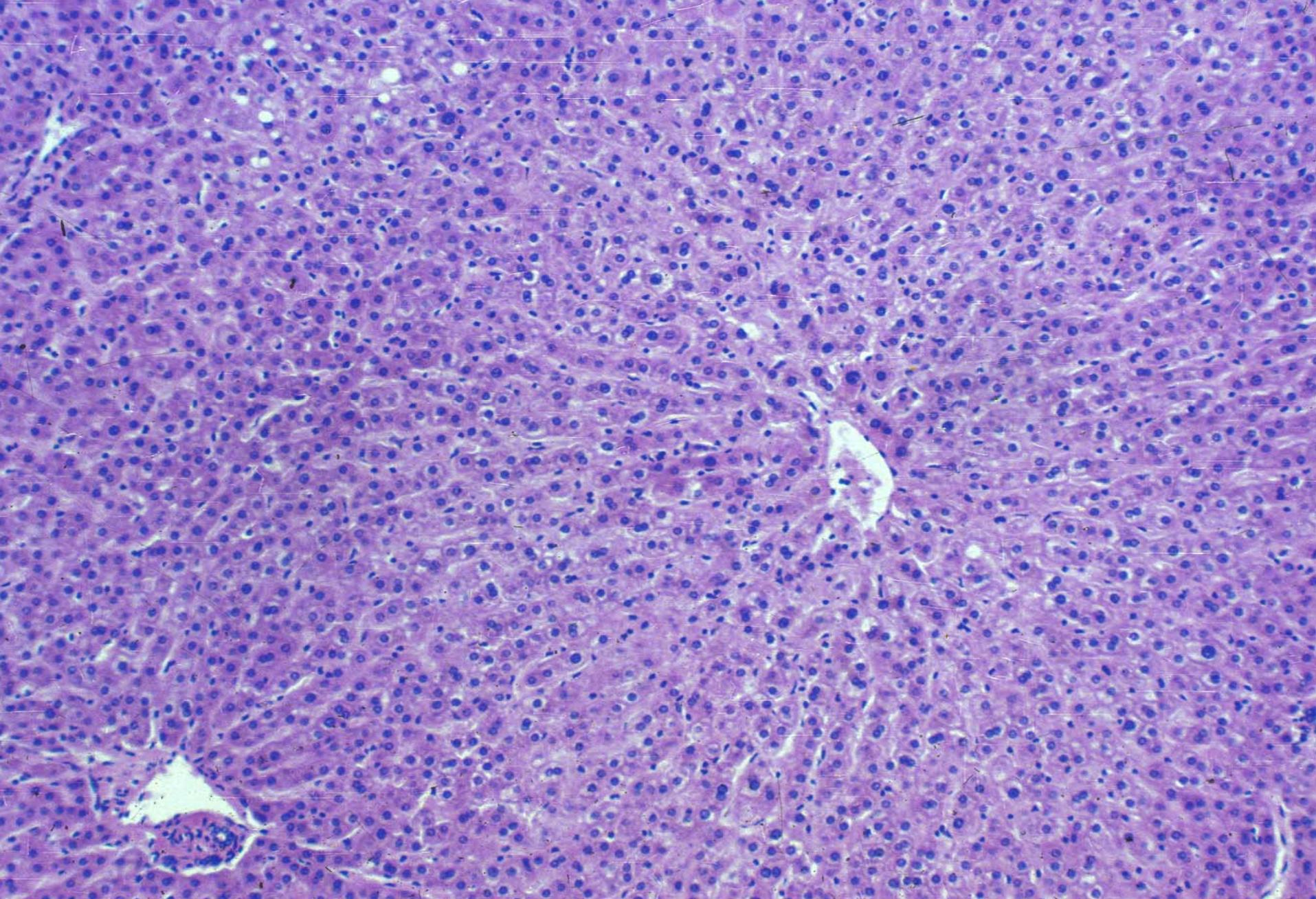
IV Summary :



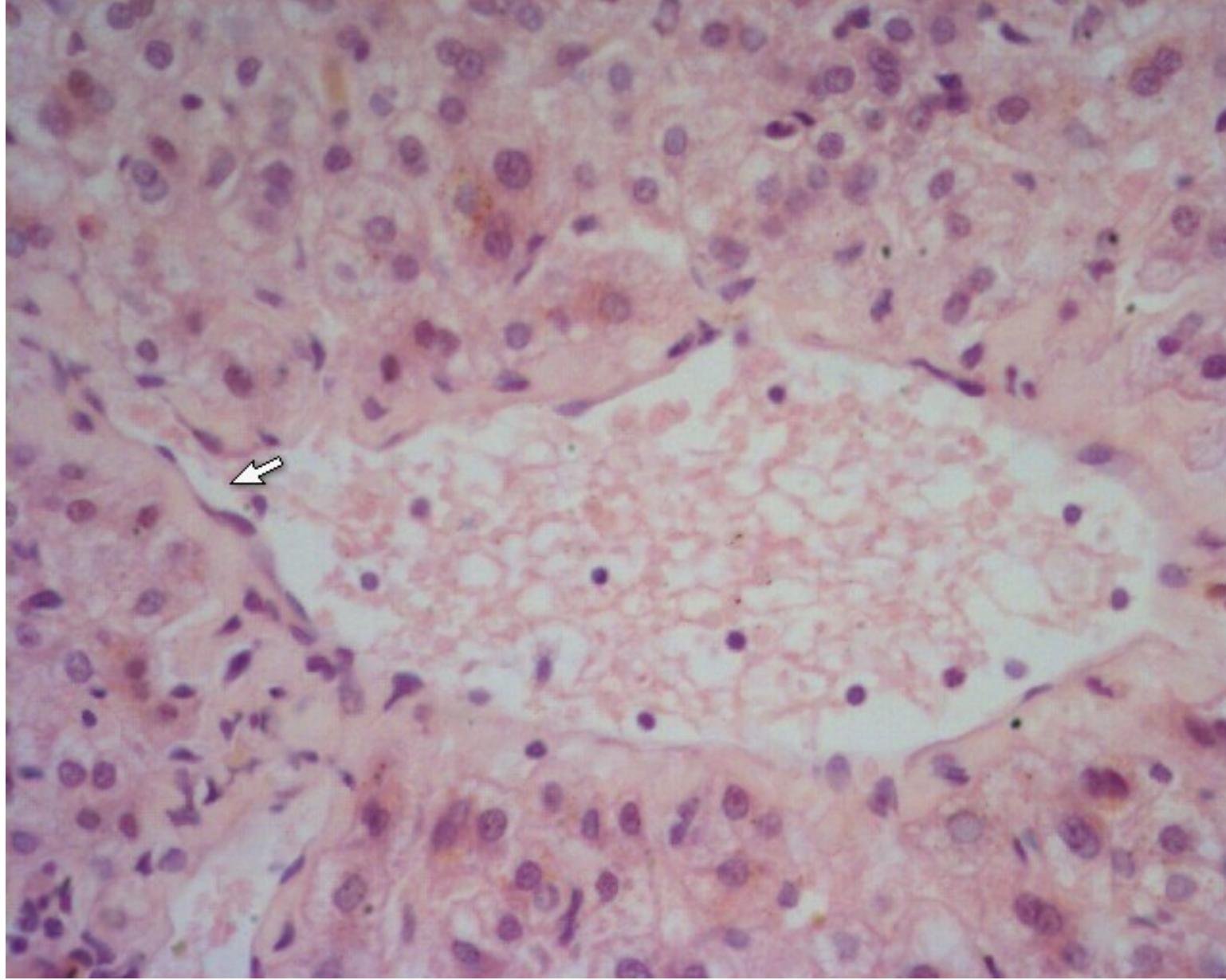
**liver**



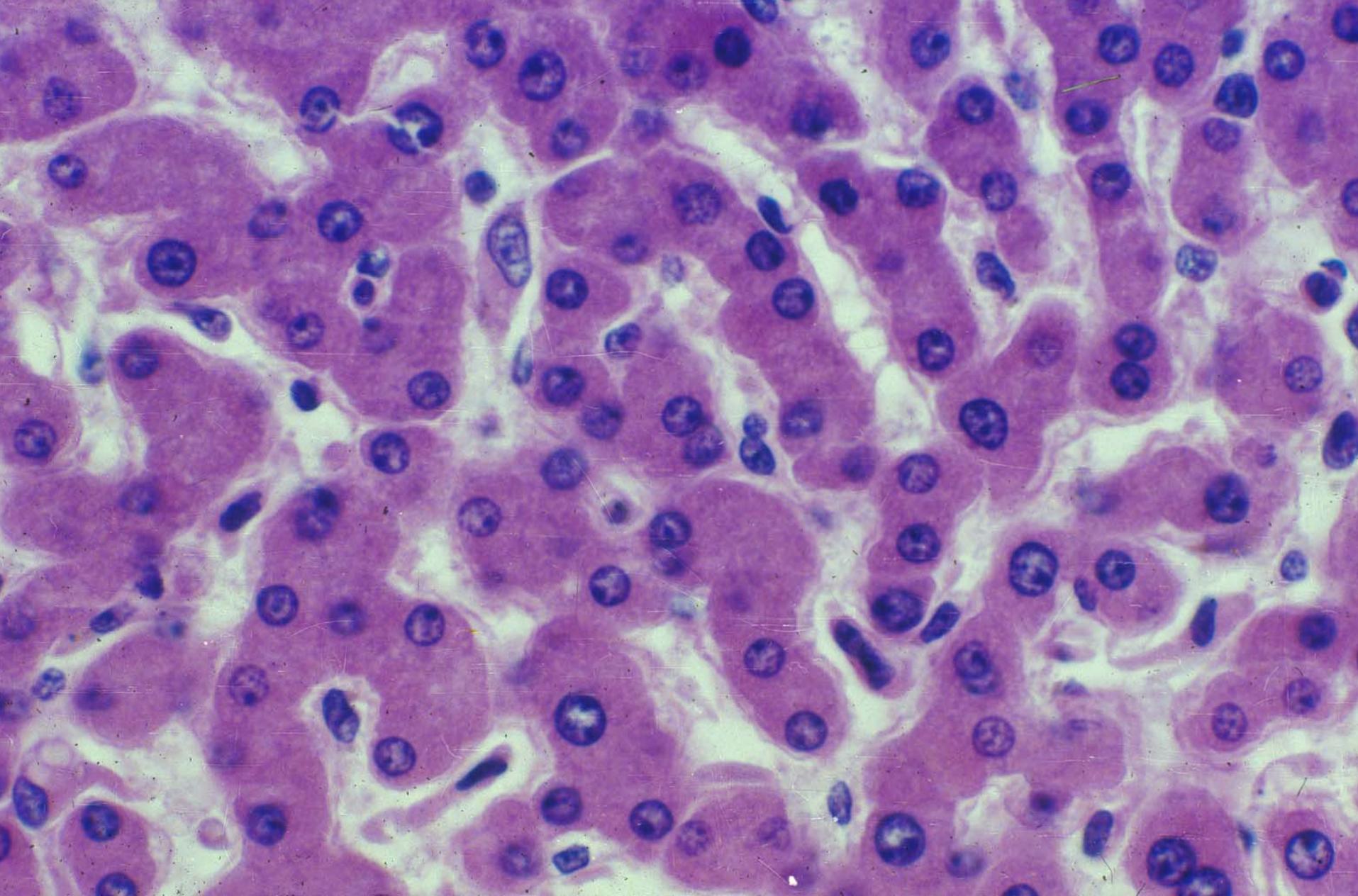
**liver**



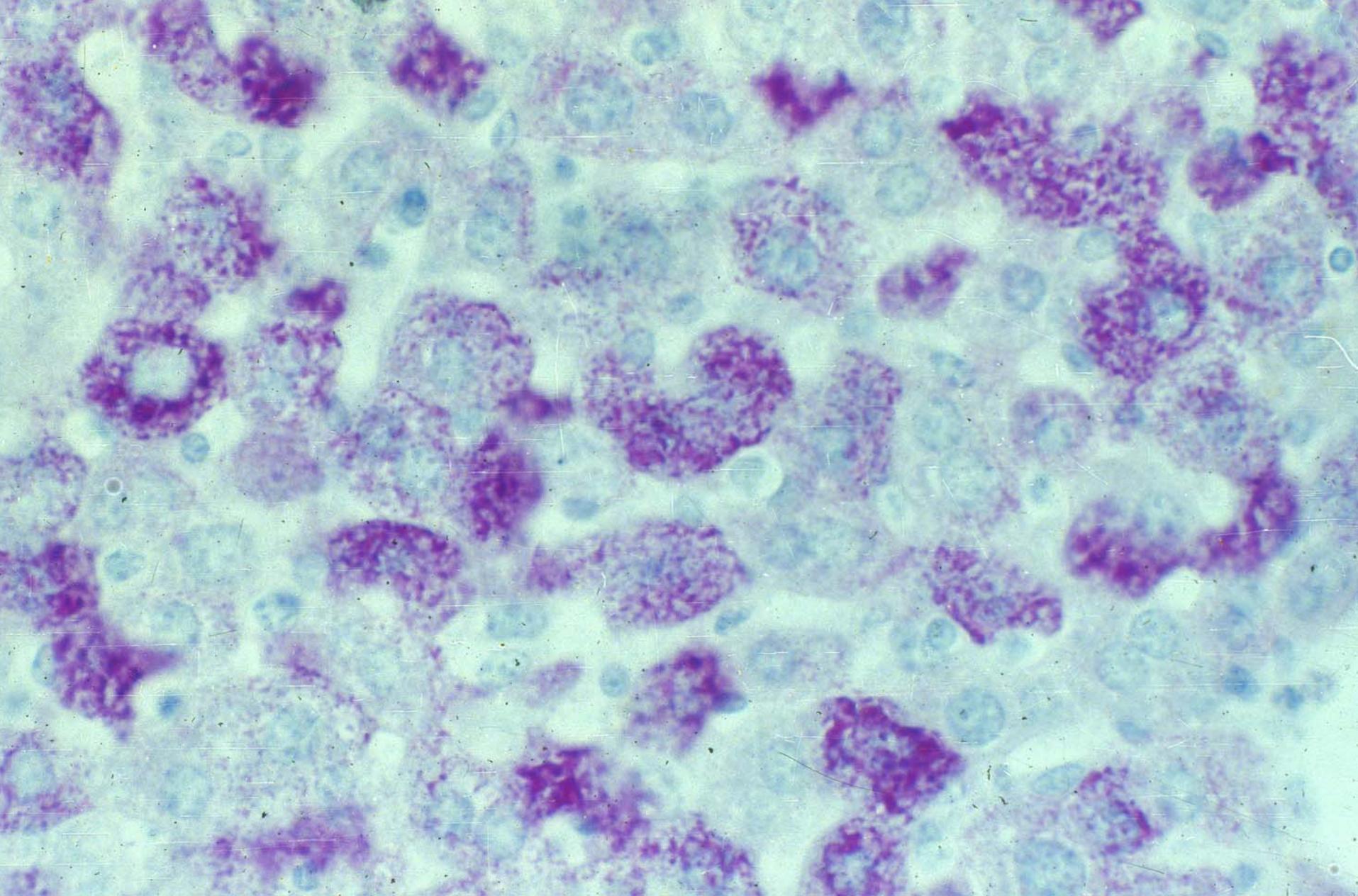
**Hepatic lobule**



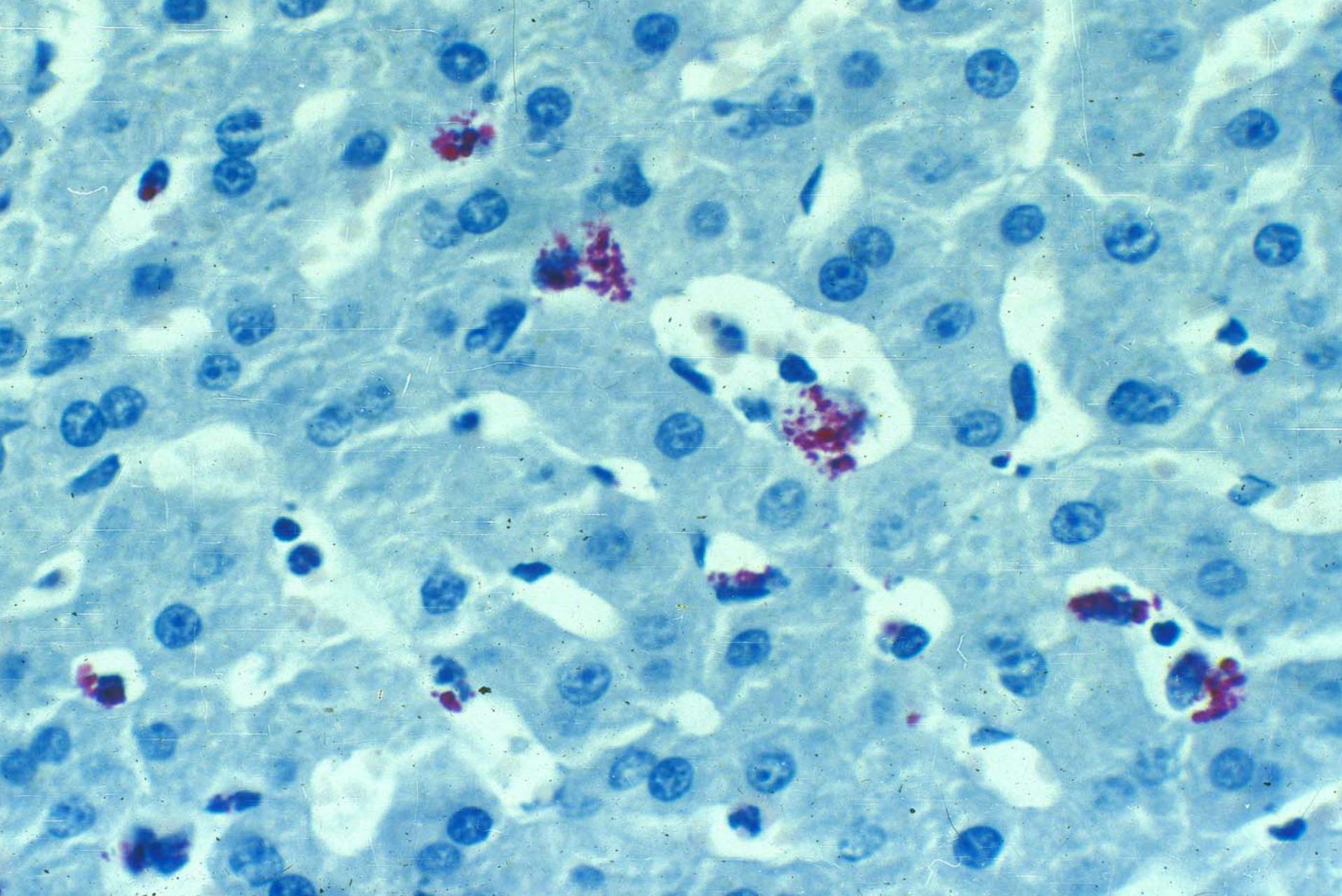
Central vein



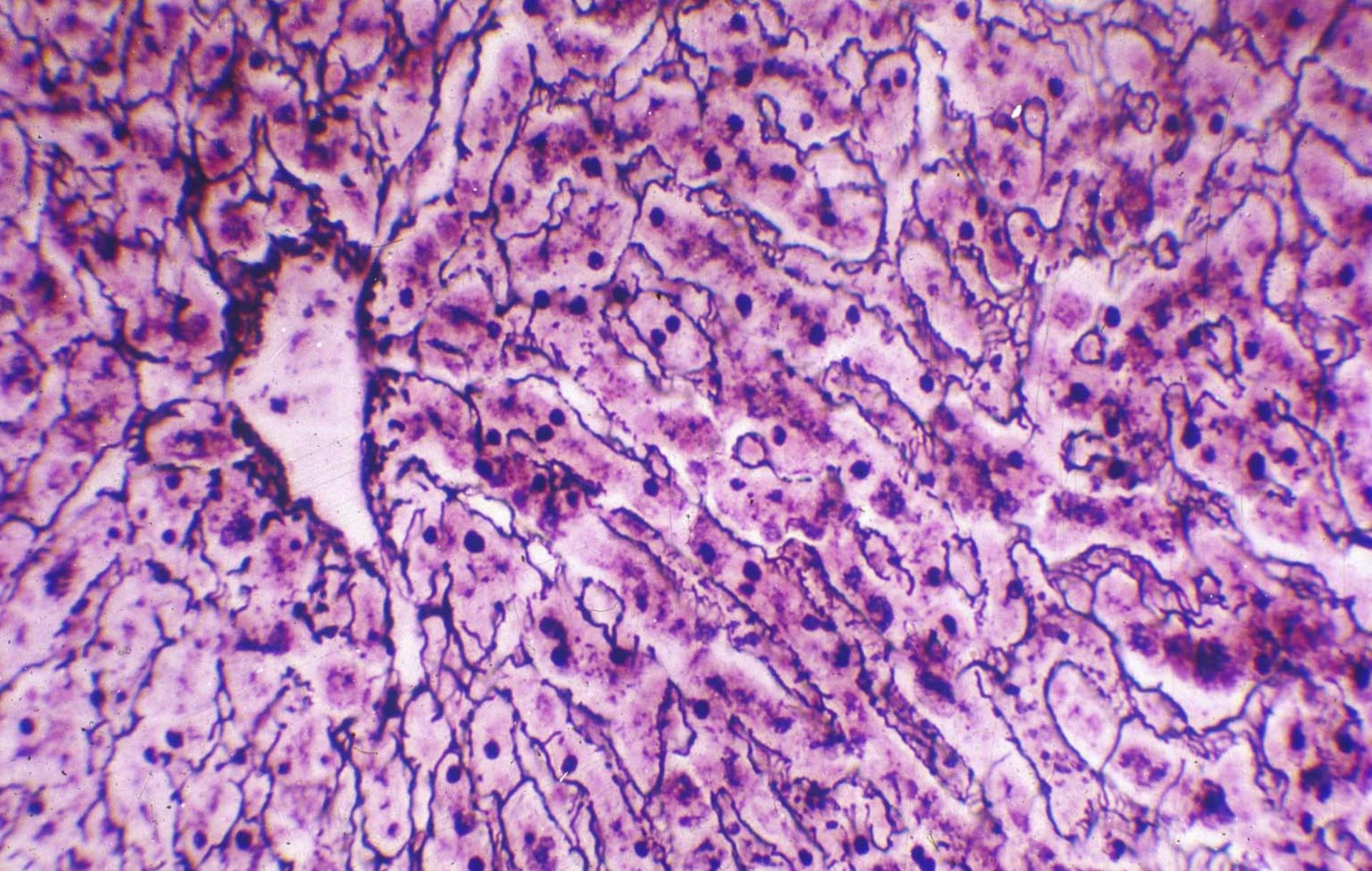
**Hepatic plate and hepatic sinusoid**



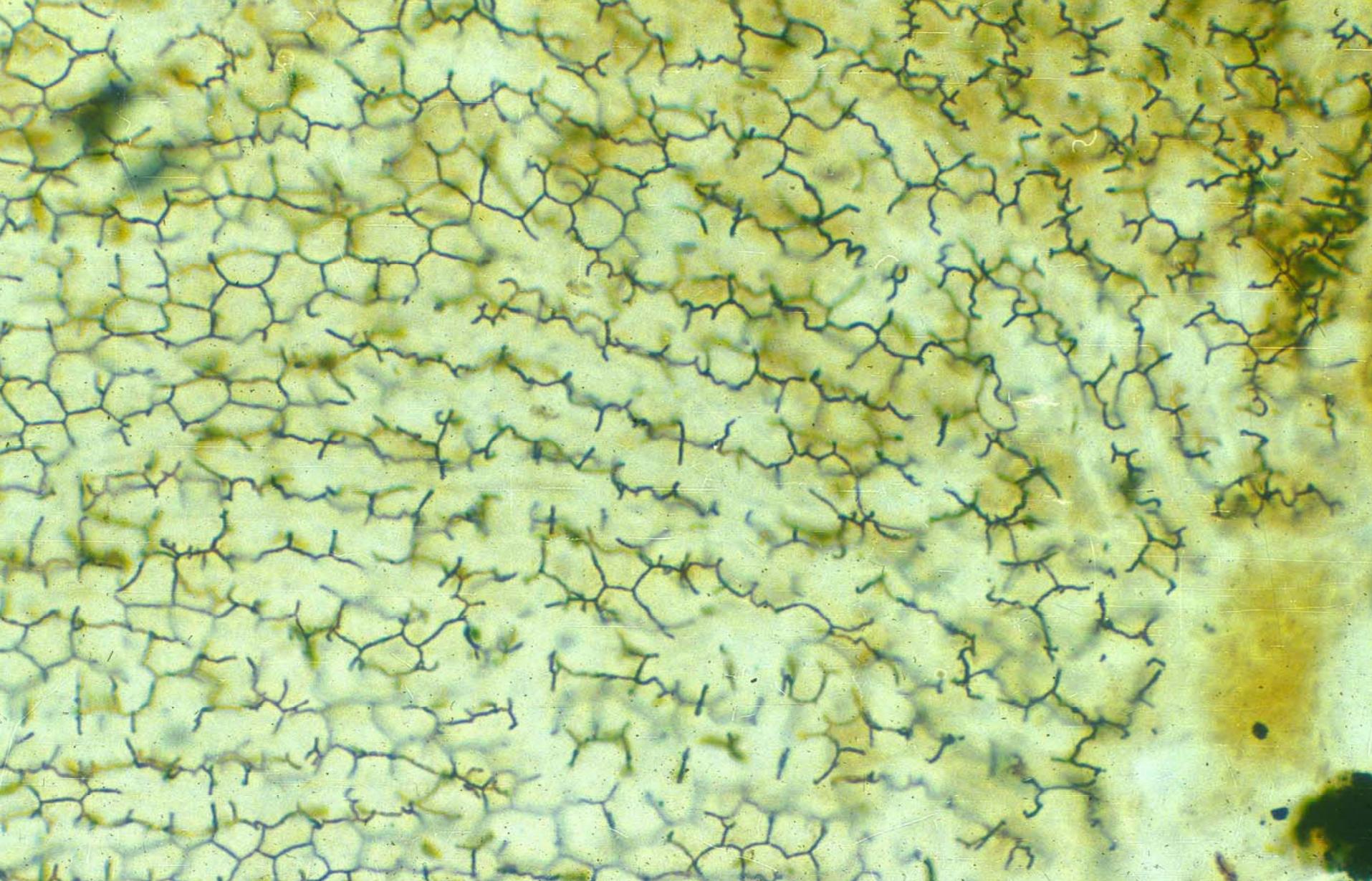
glycogen



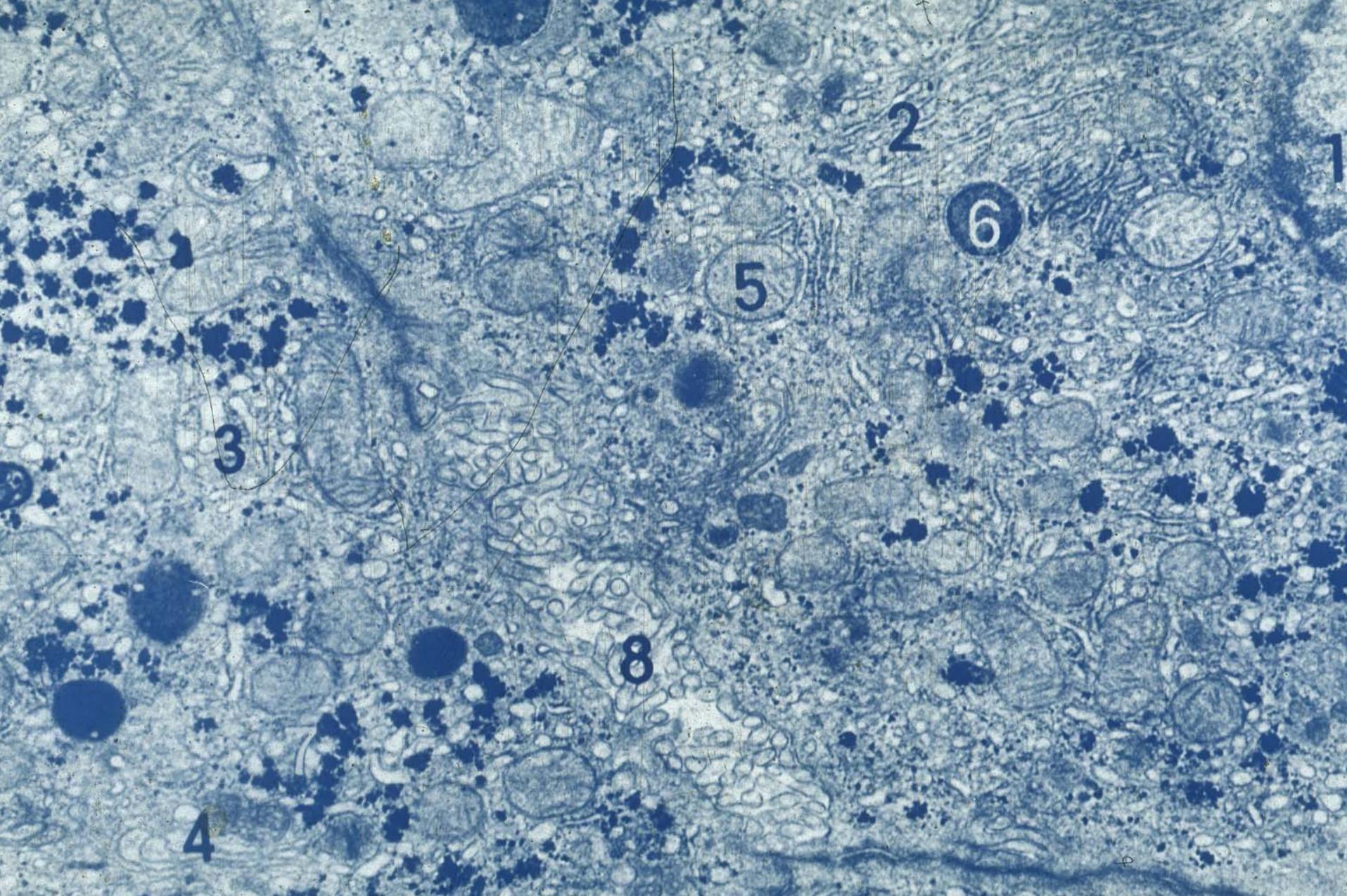
**Hepatic sinusoid and hepatic macrophage**



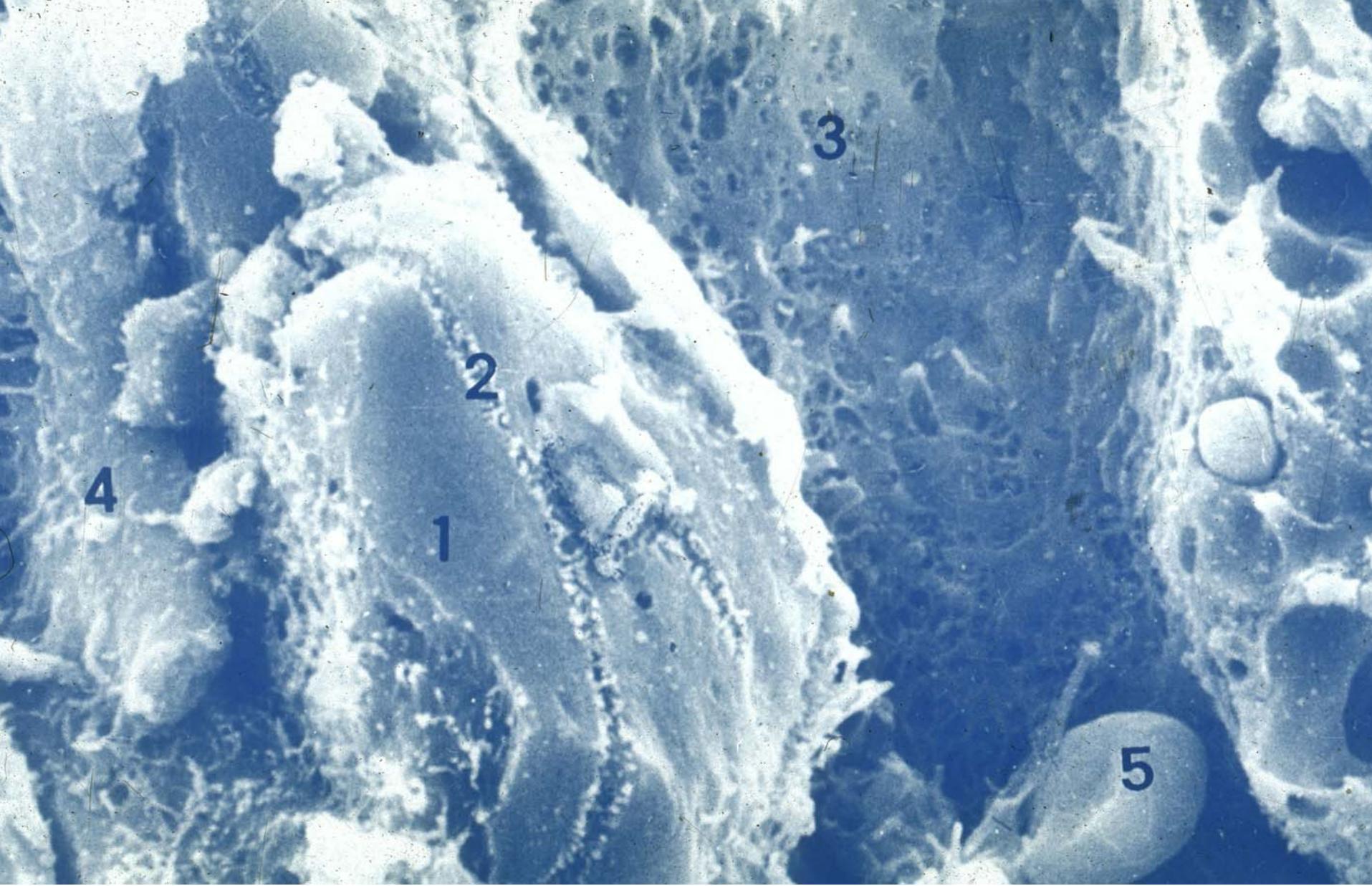
**Meshwork of reticular and collagenous fibers**



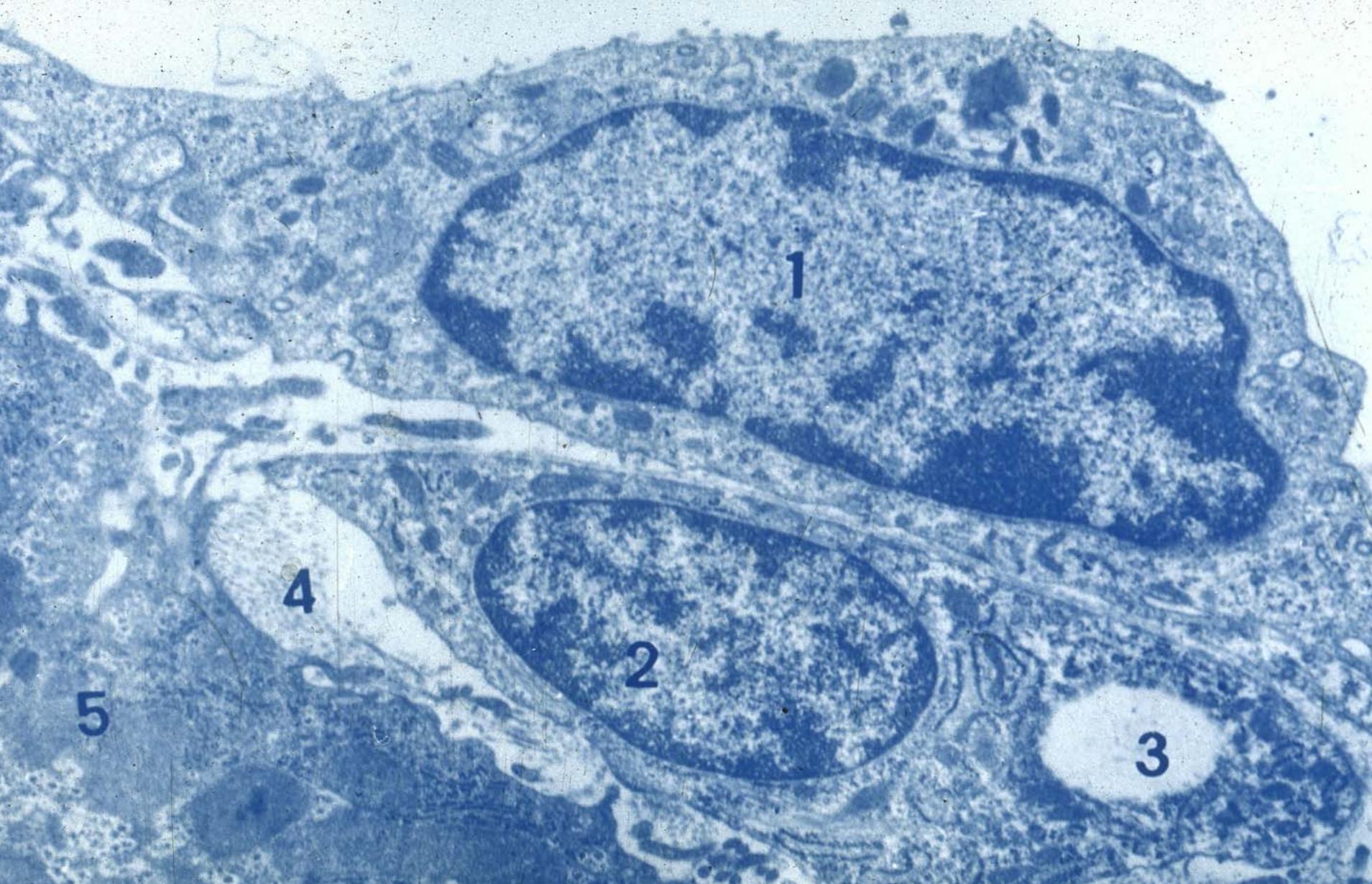
**Bile canaliculus**



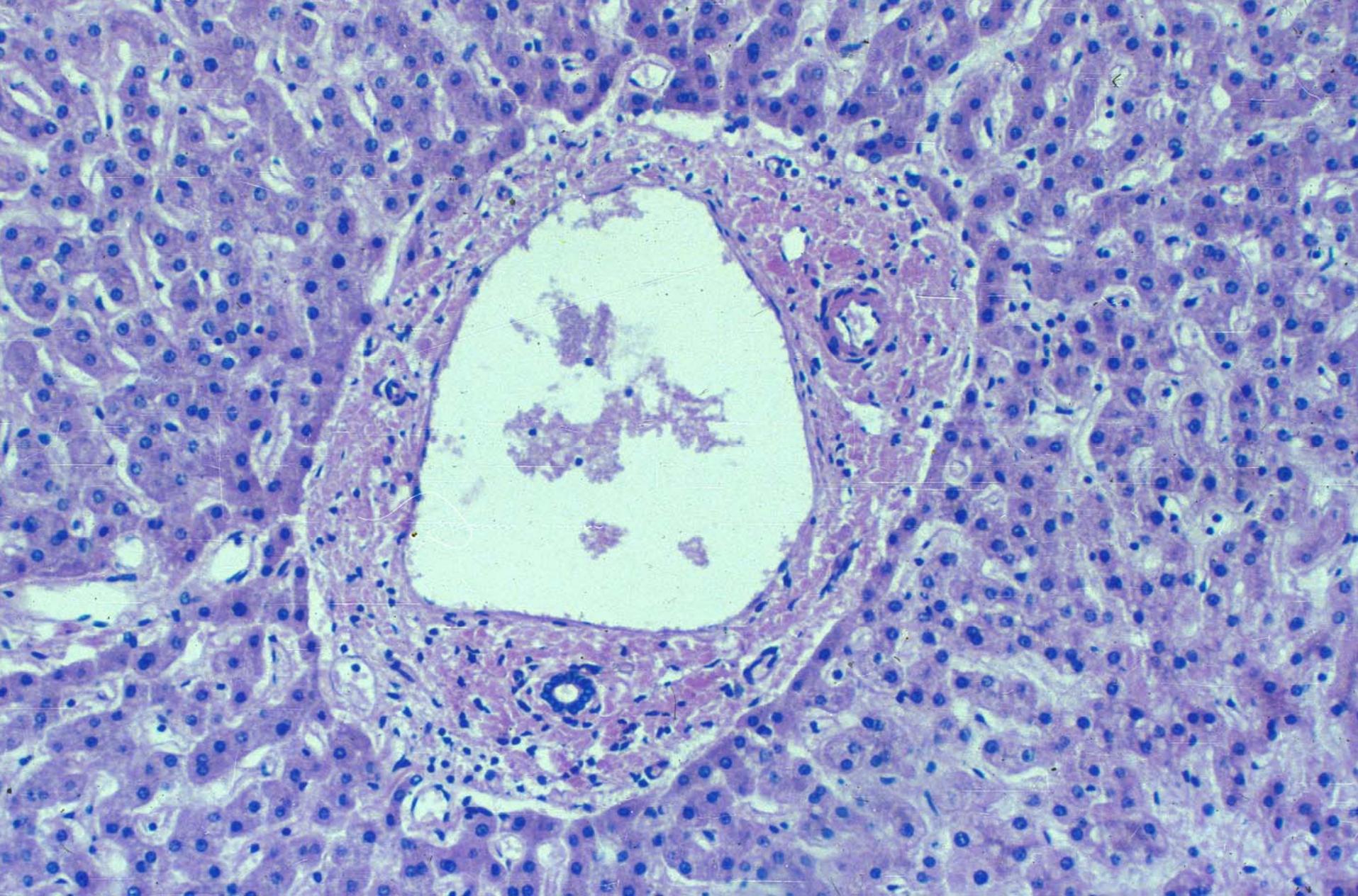
**hepatocyte**



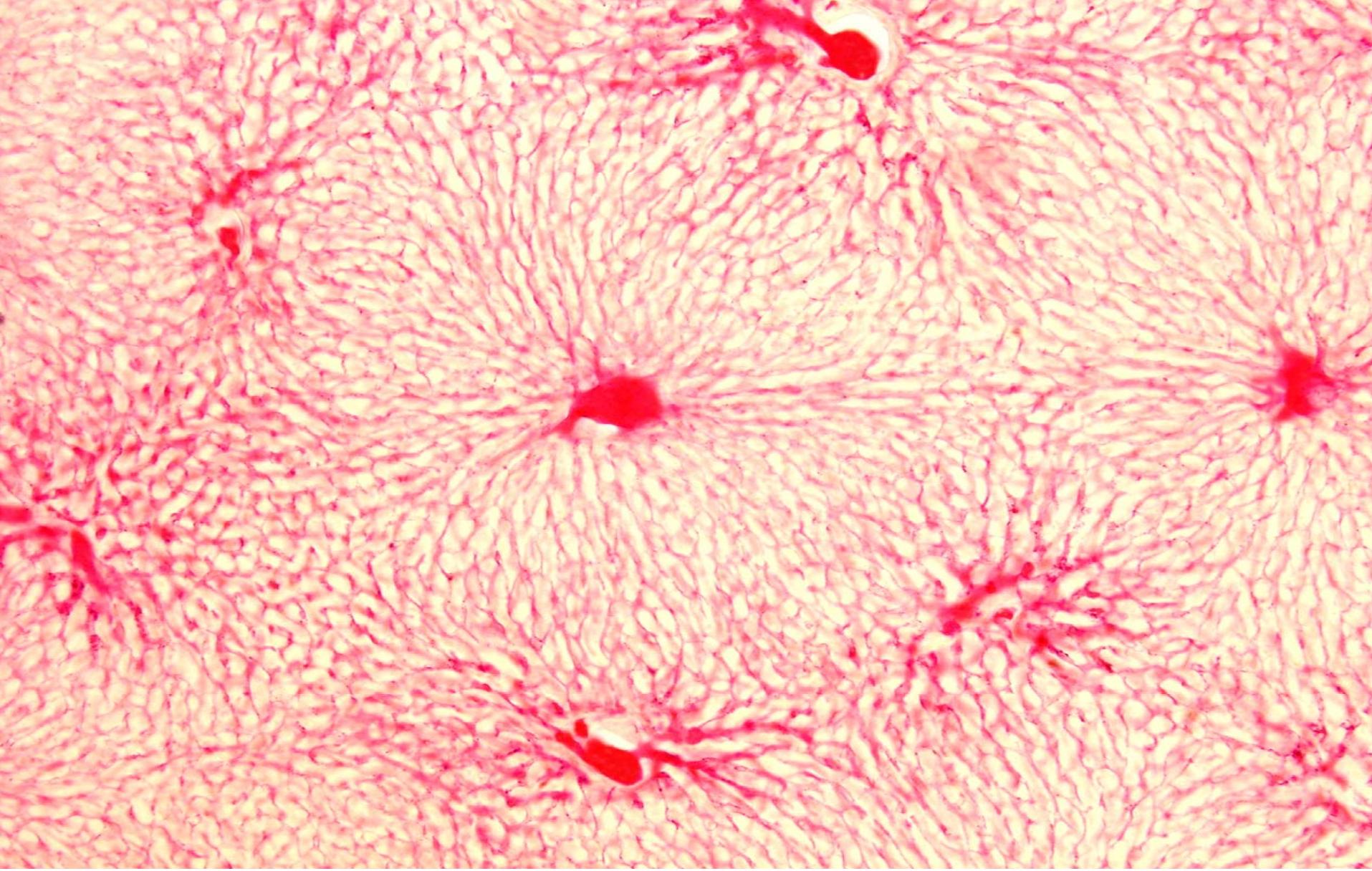
Hepatocyte ,Kuppfer and bile canaliculus



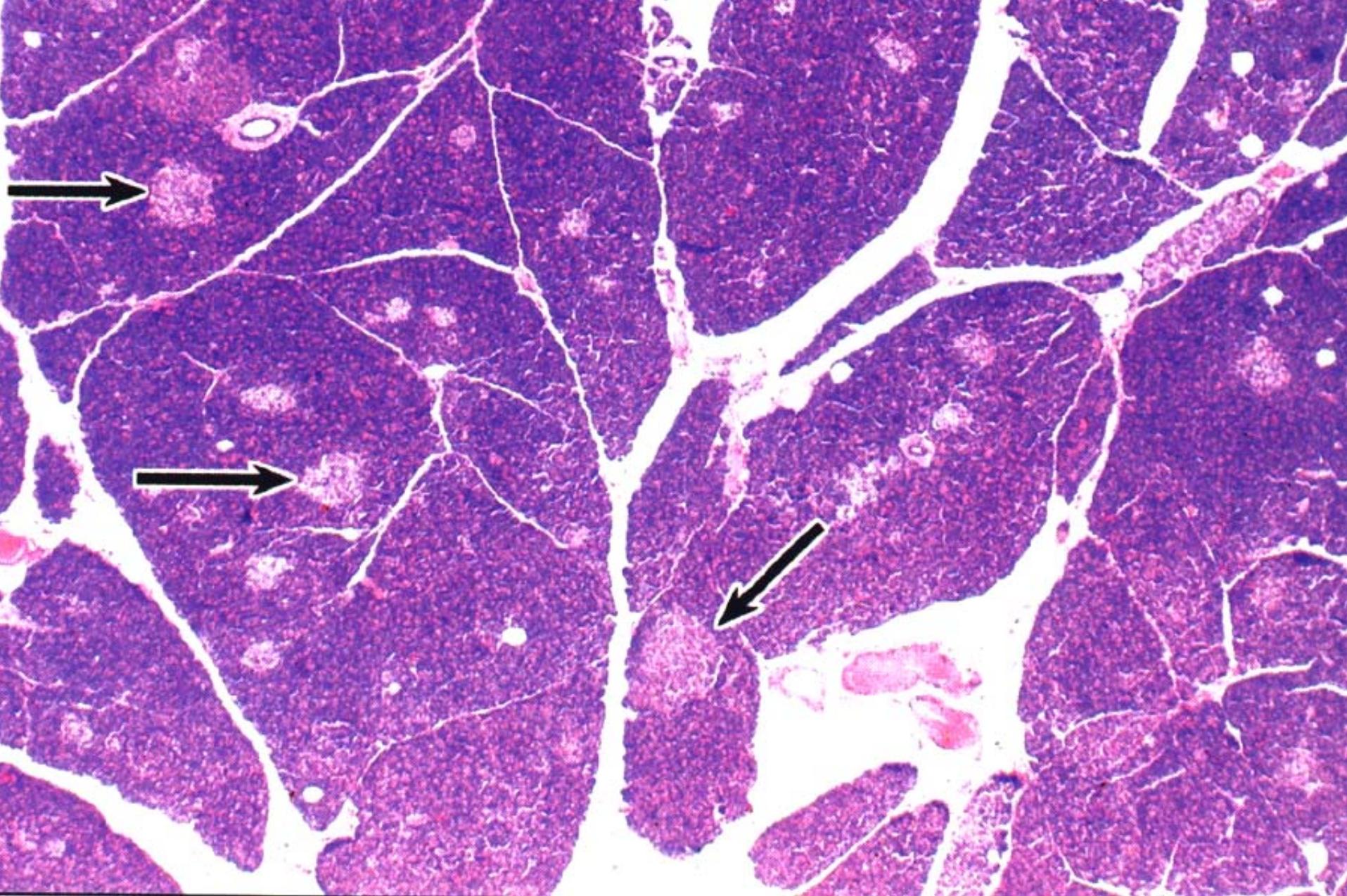
**Space of Disse and fat storing cell**



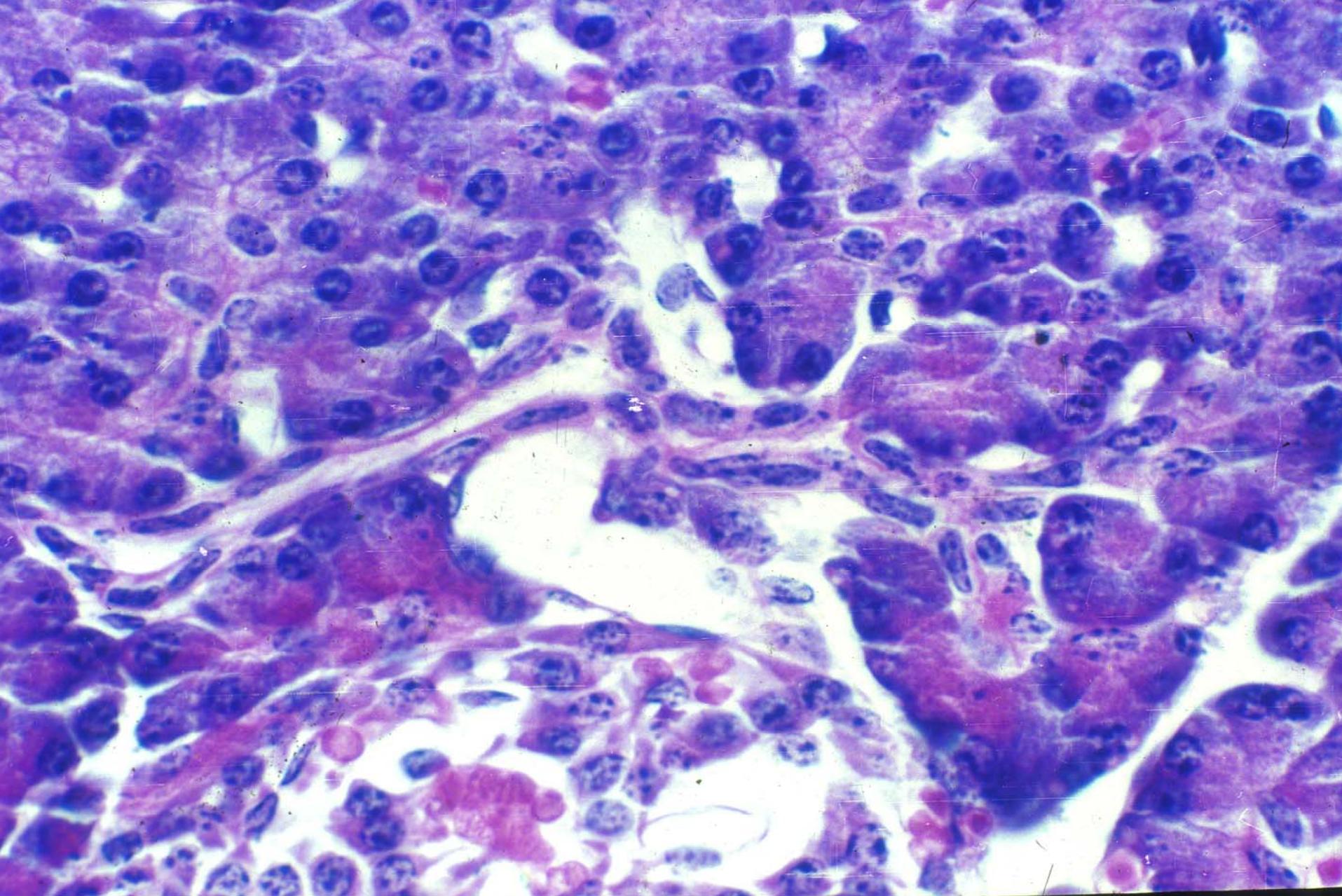
**Portal area**



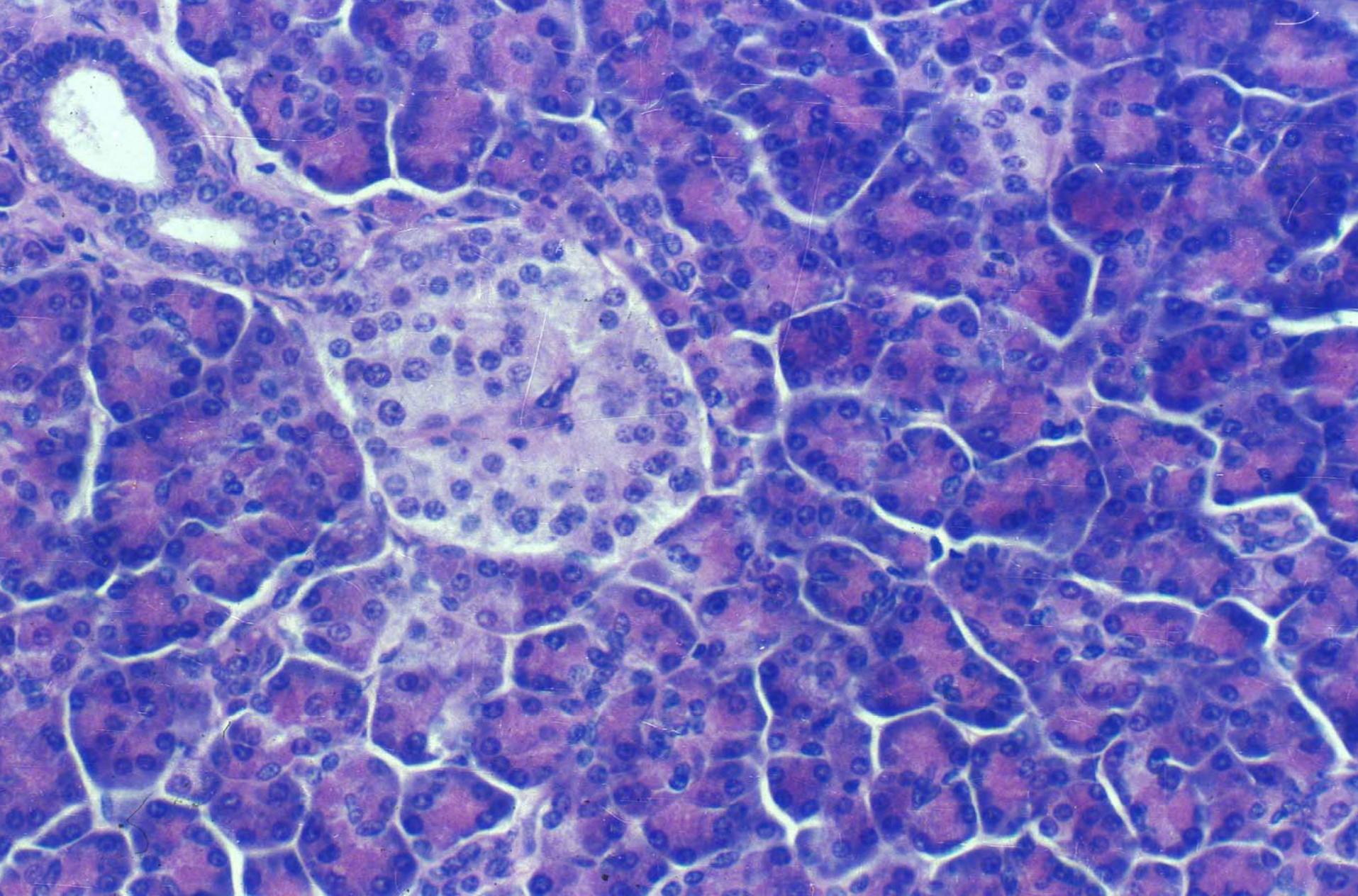
**Hepatic sinusoid**



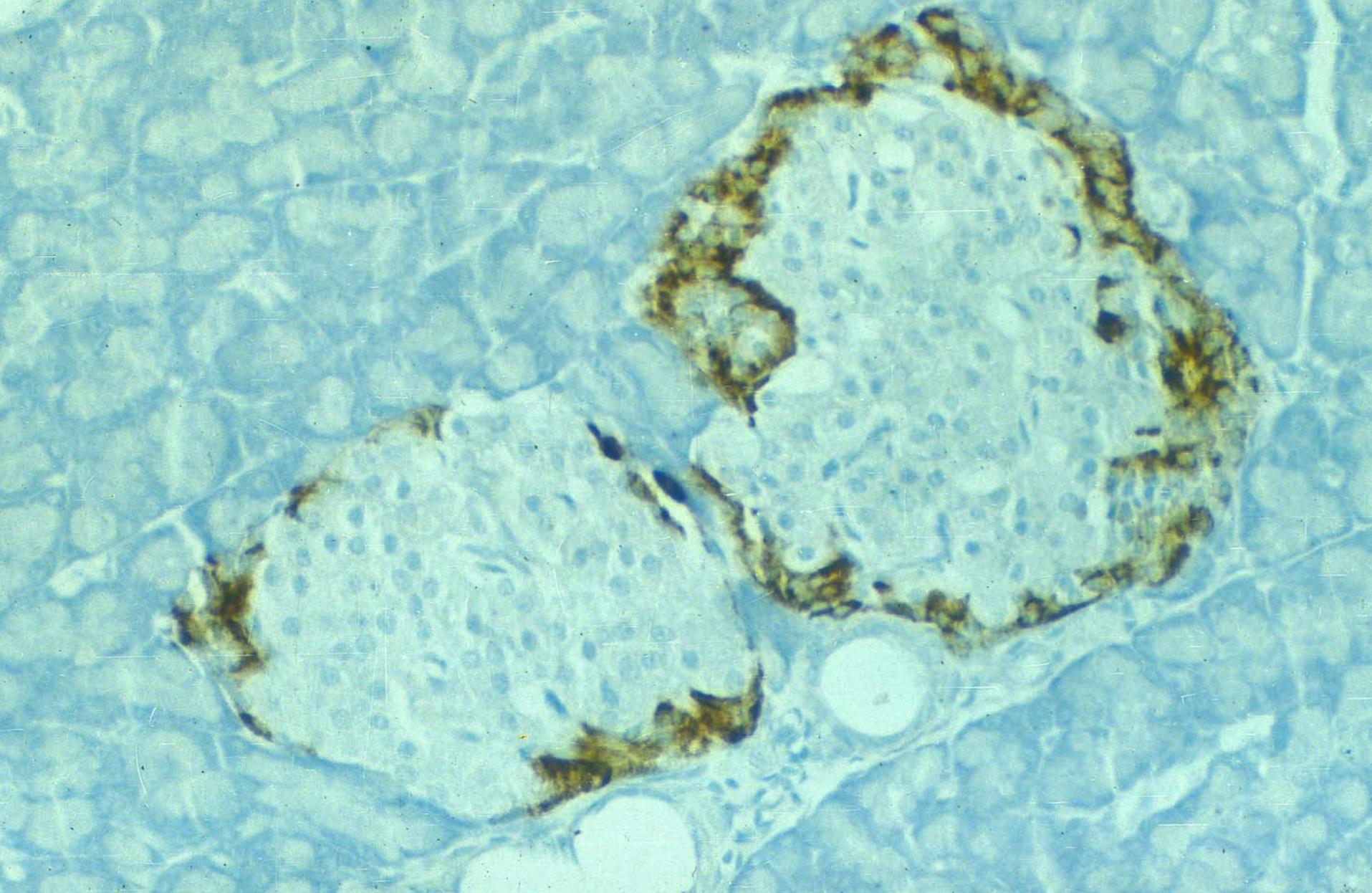
**pancreas**



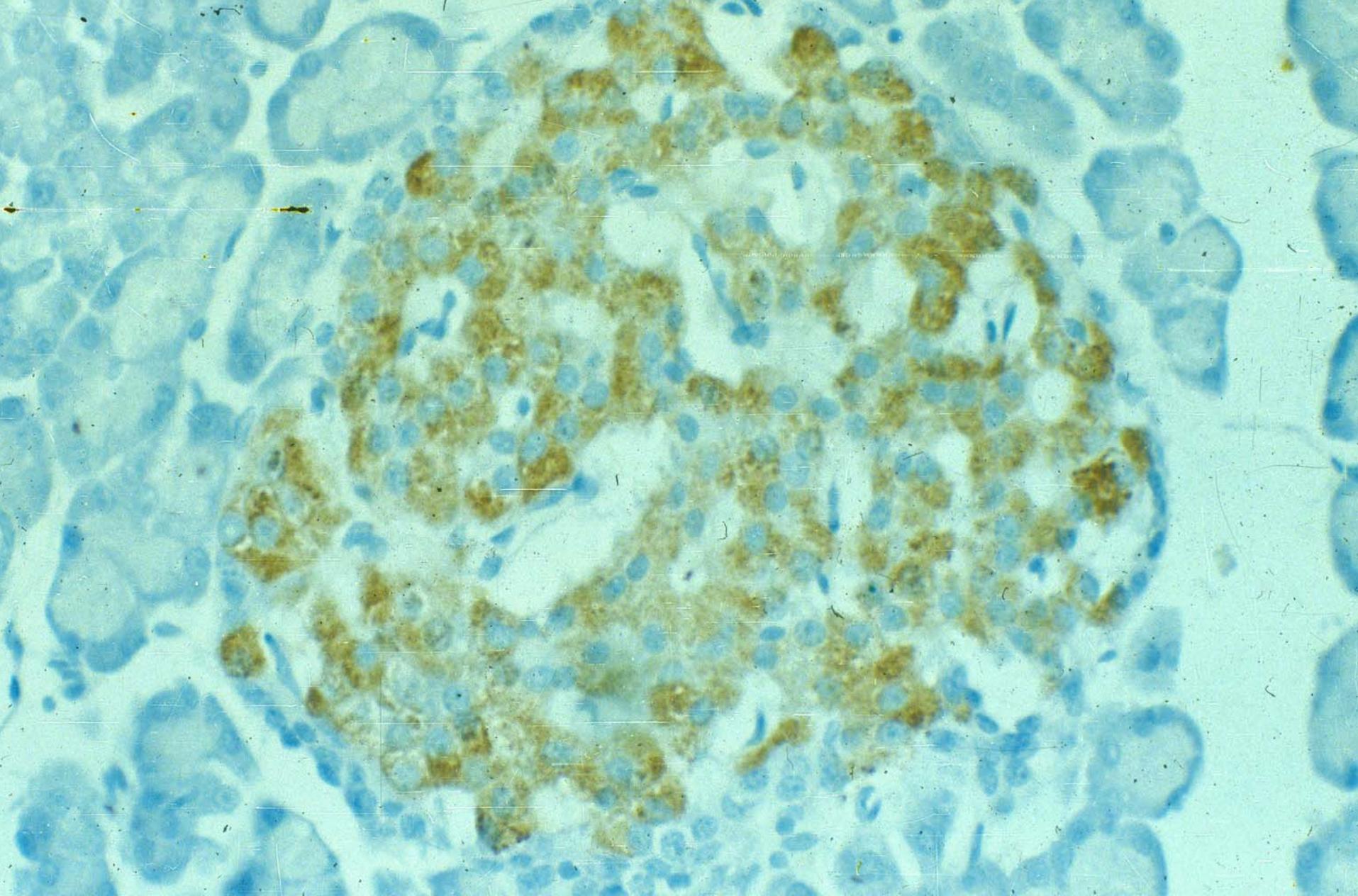
**Intercalated duct**



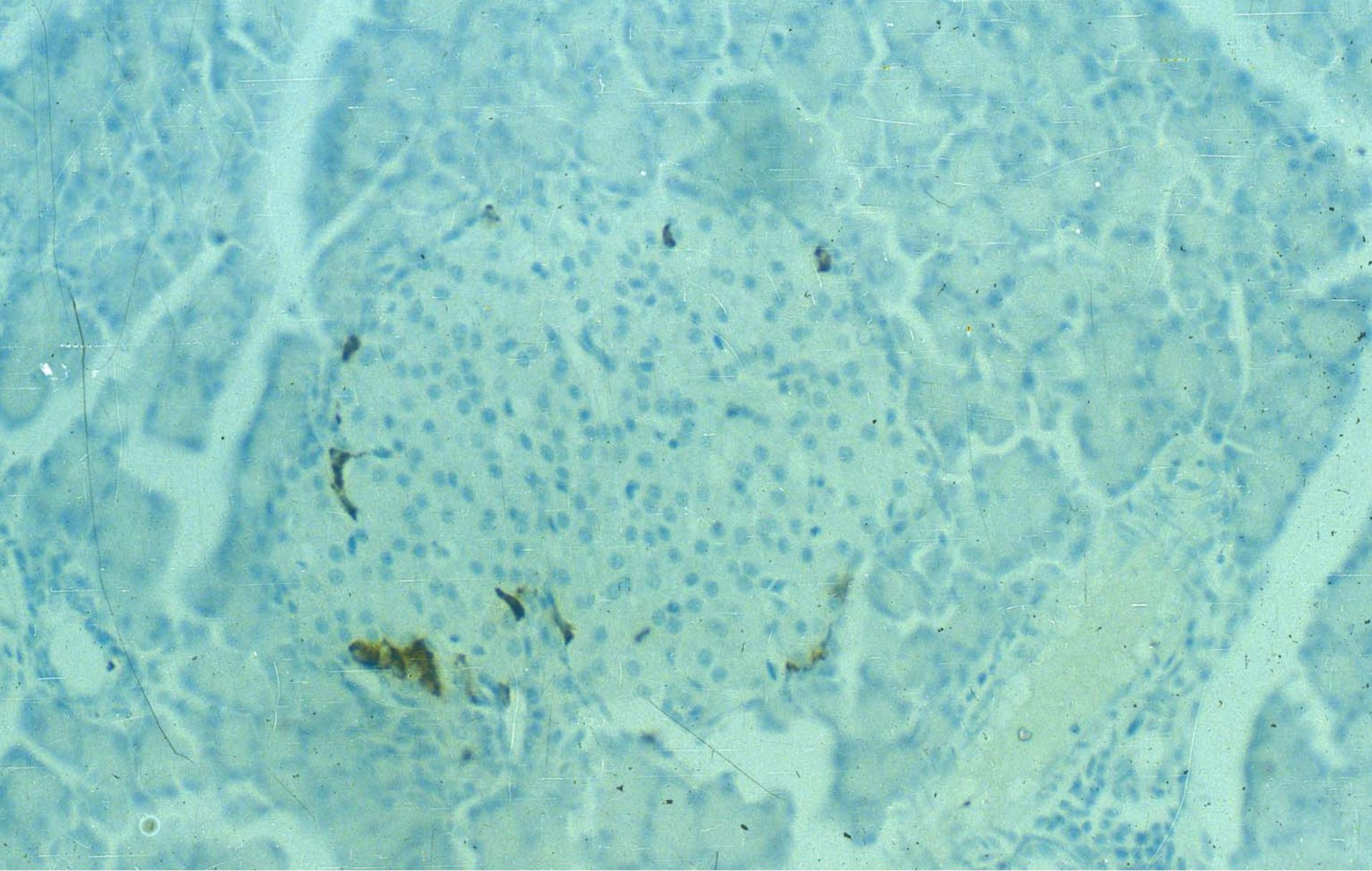
**pancreas**



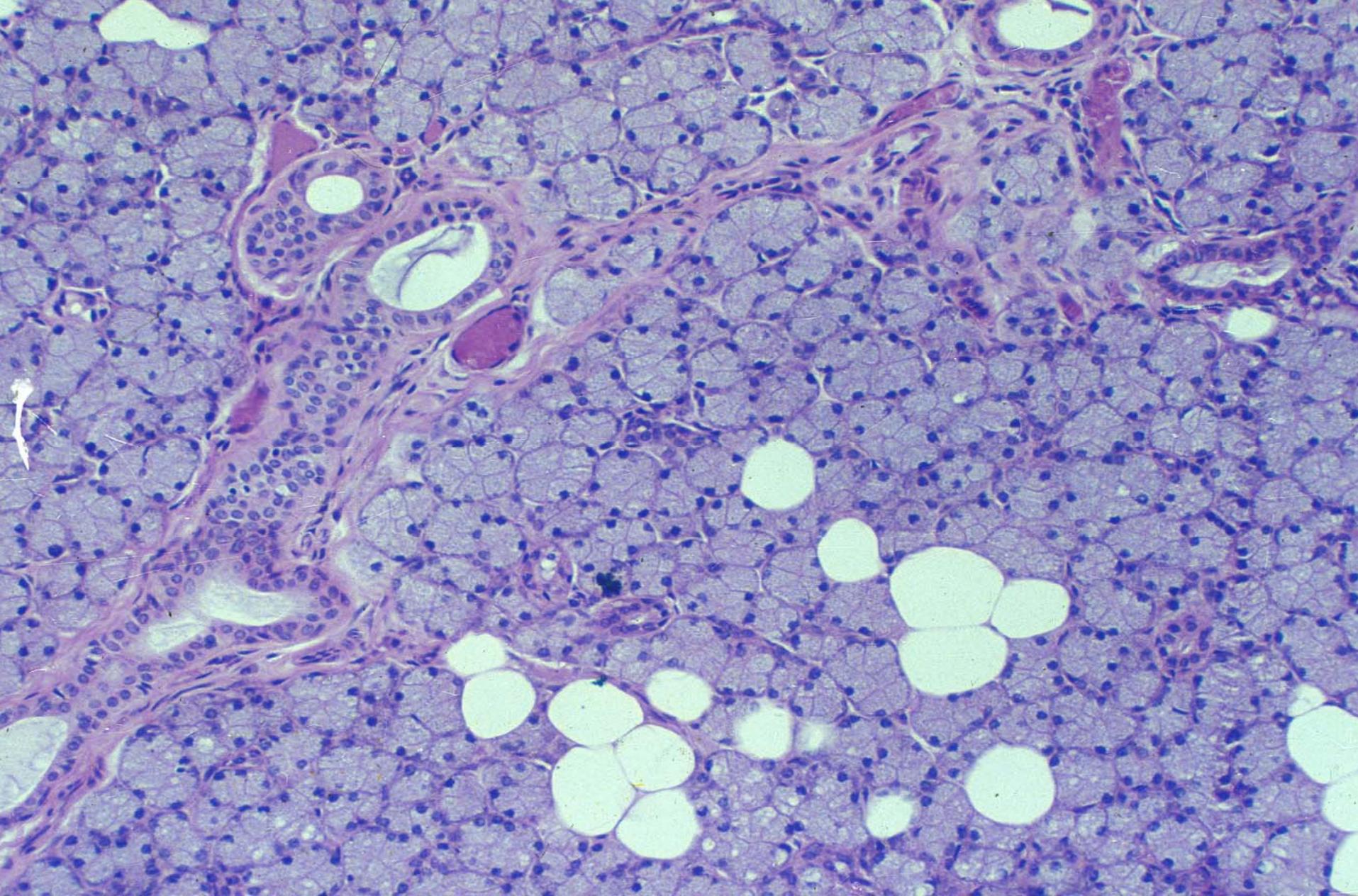
A cells



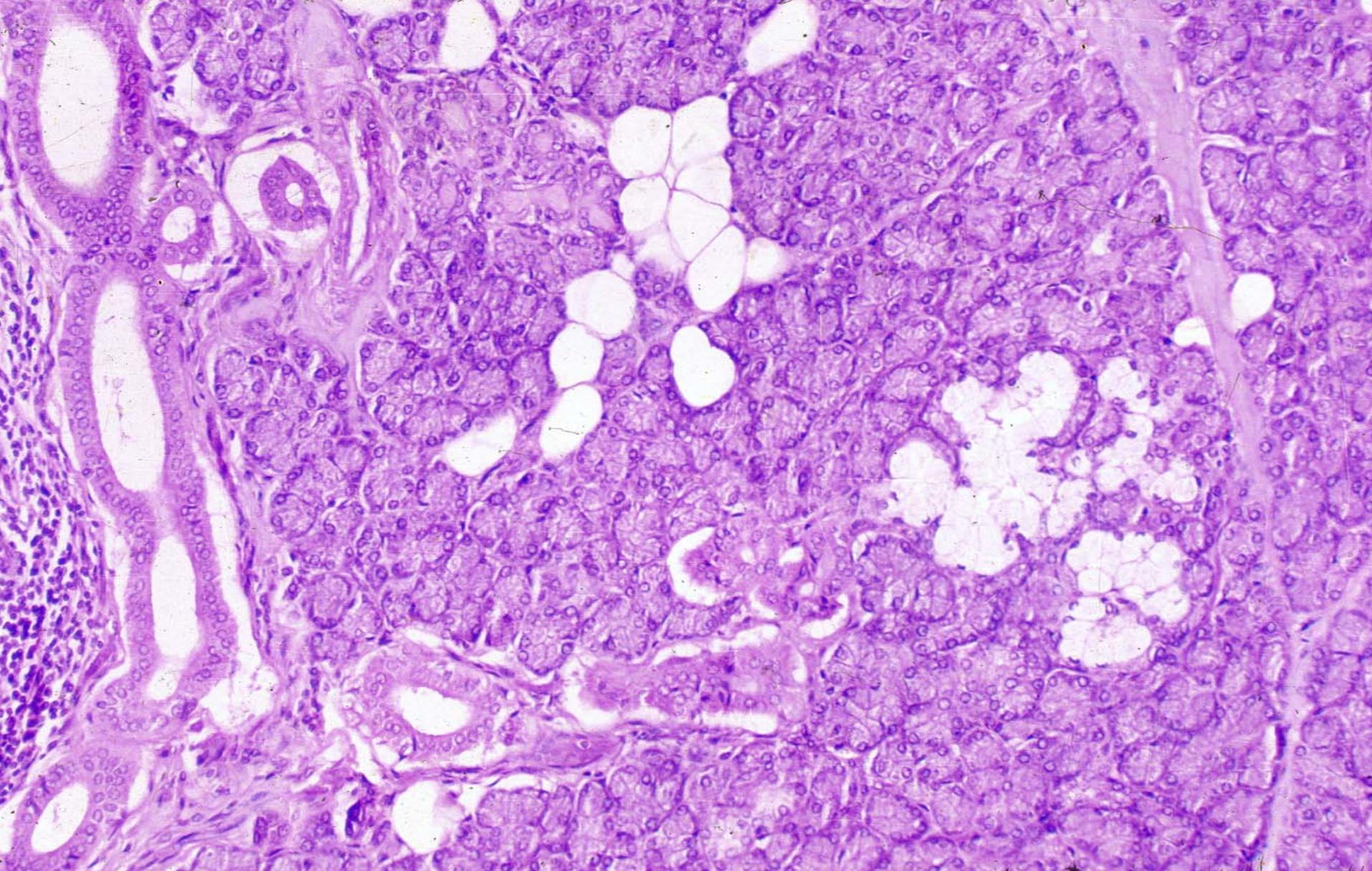
**B cells**



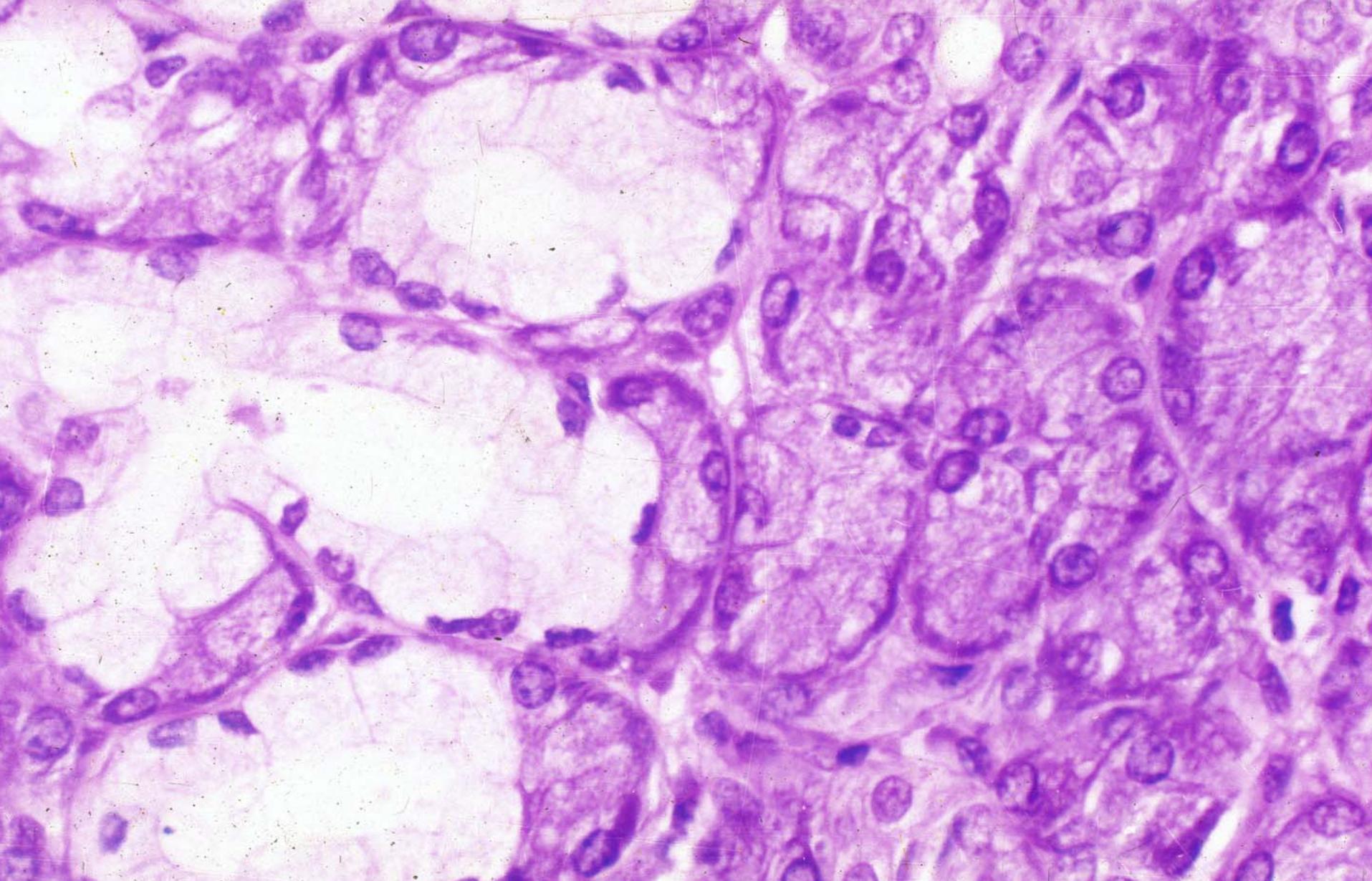
**PP cells**



**parotid gland**



**submandibular gland**



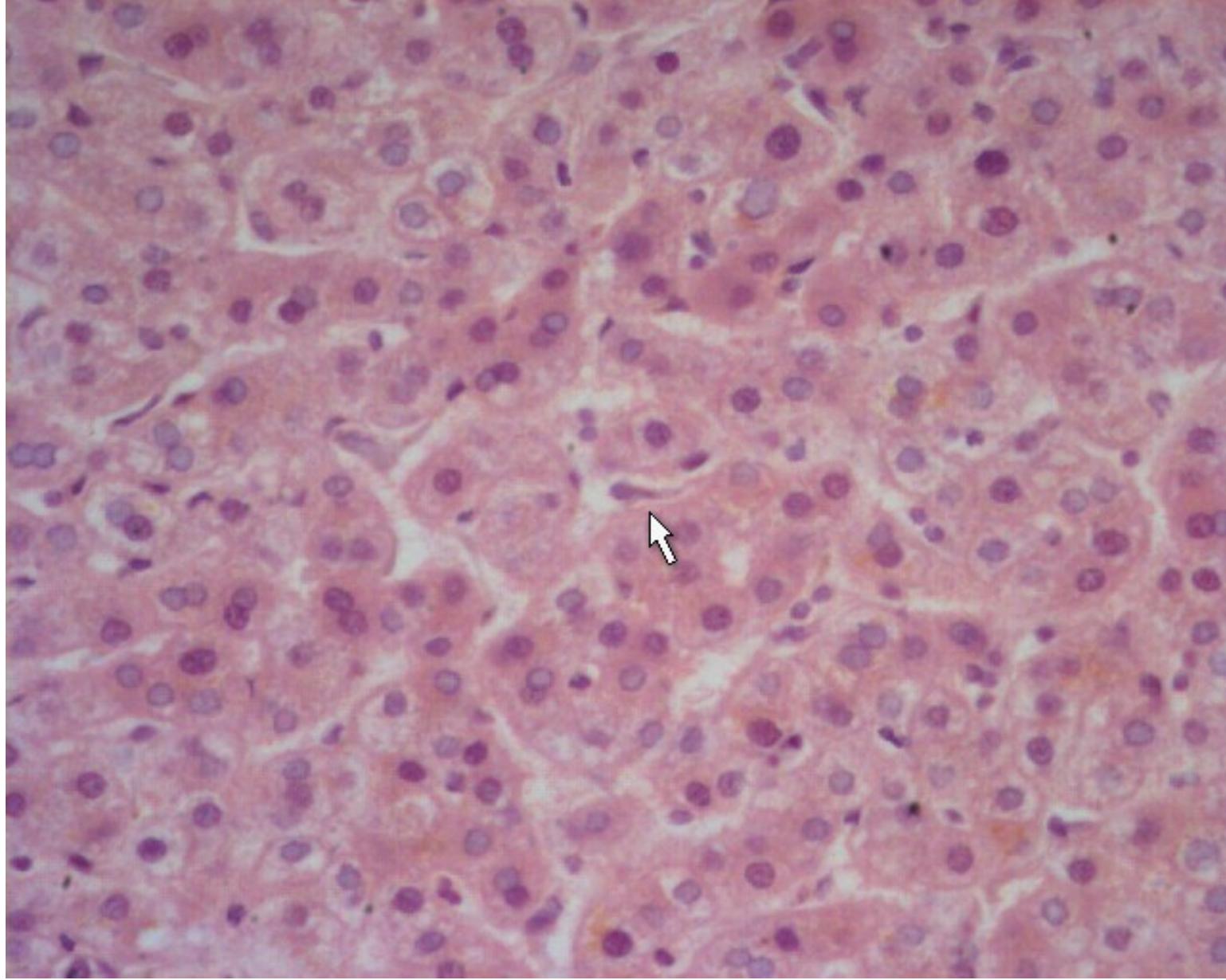
**sublingual gland**

# **summary**

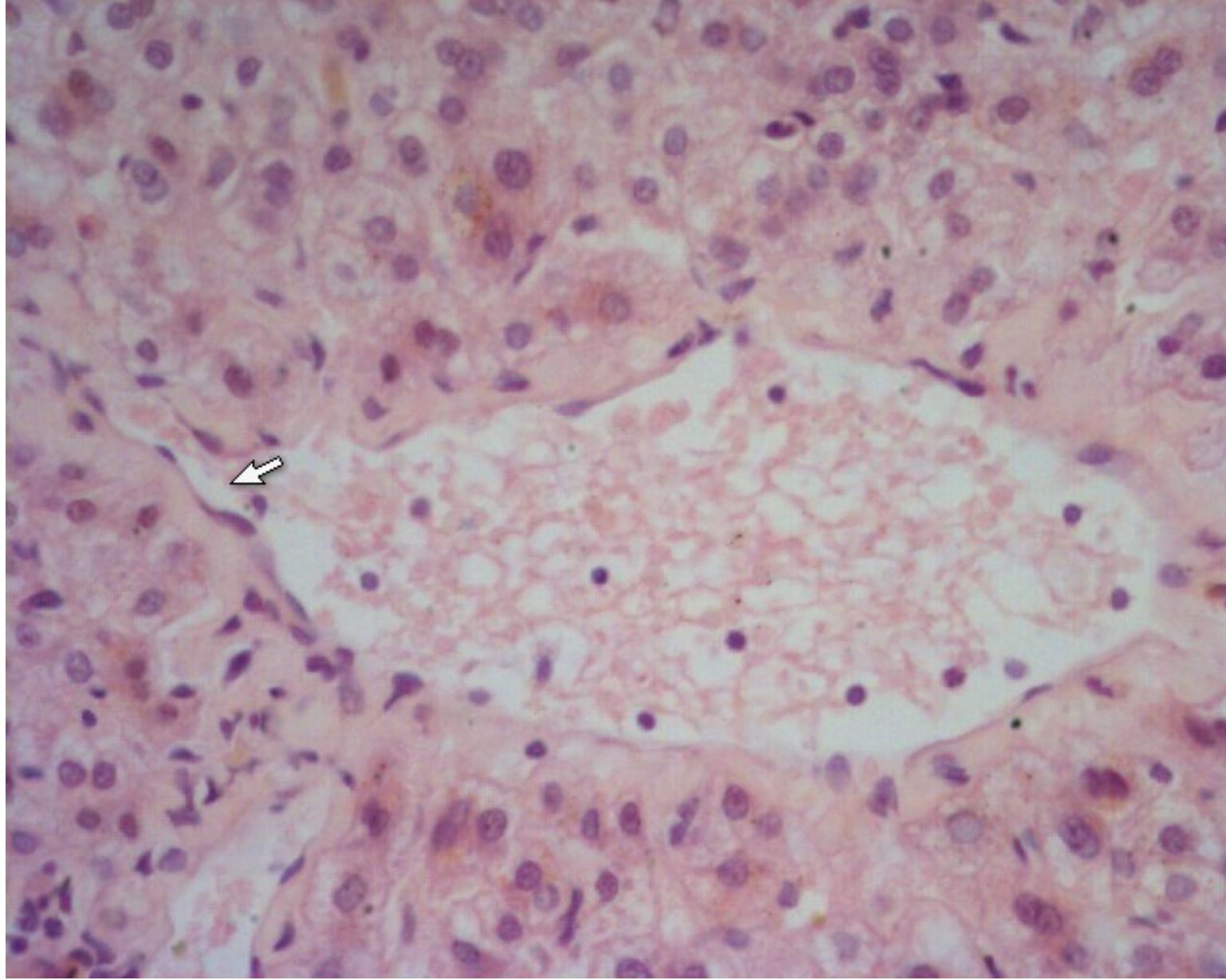
- 1.The structure and function of pancreas**
- 2.The structure and function of liver**
- 3.The structure of hepatic lobule and portal area**



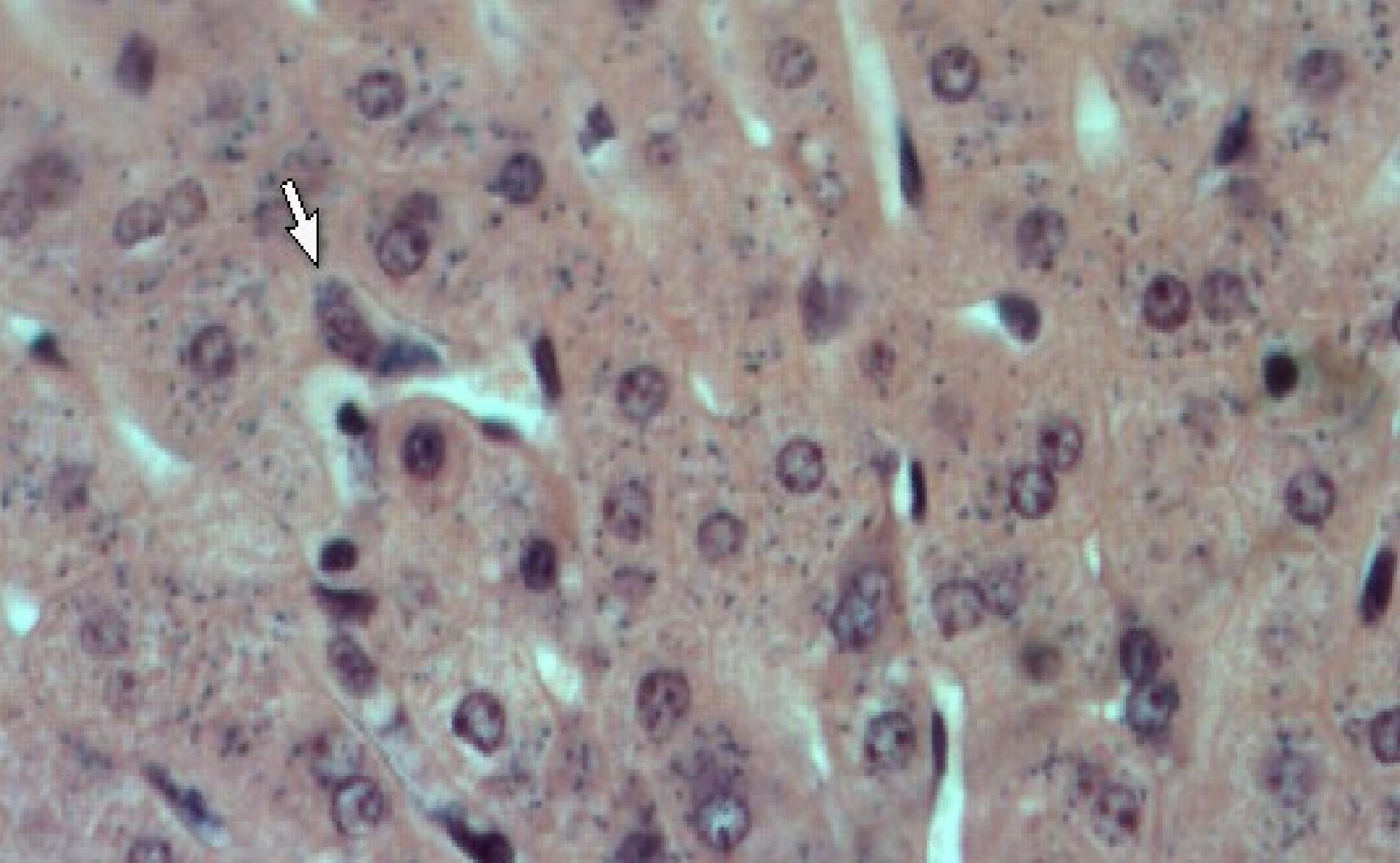
**liver**



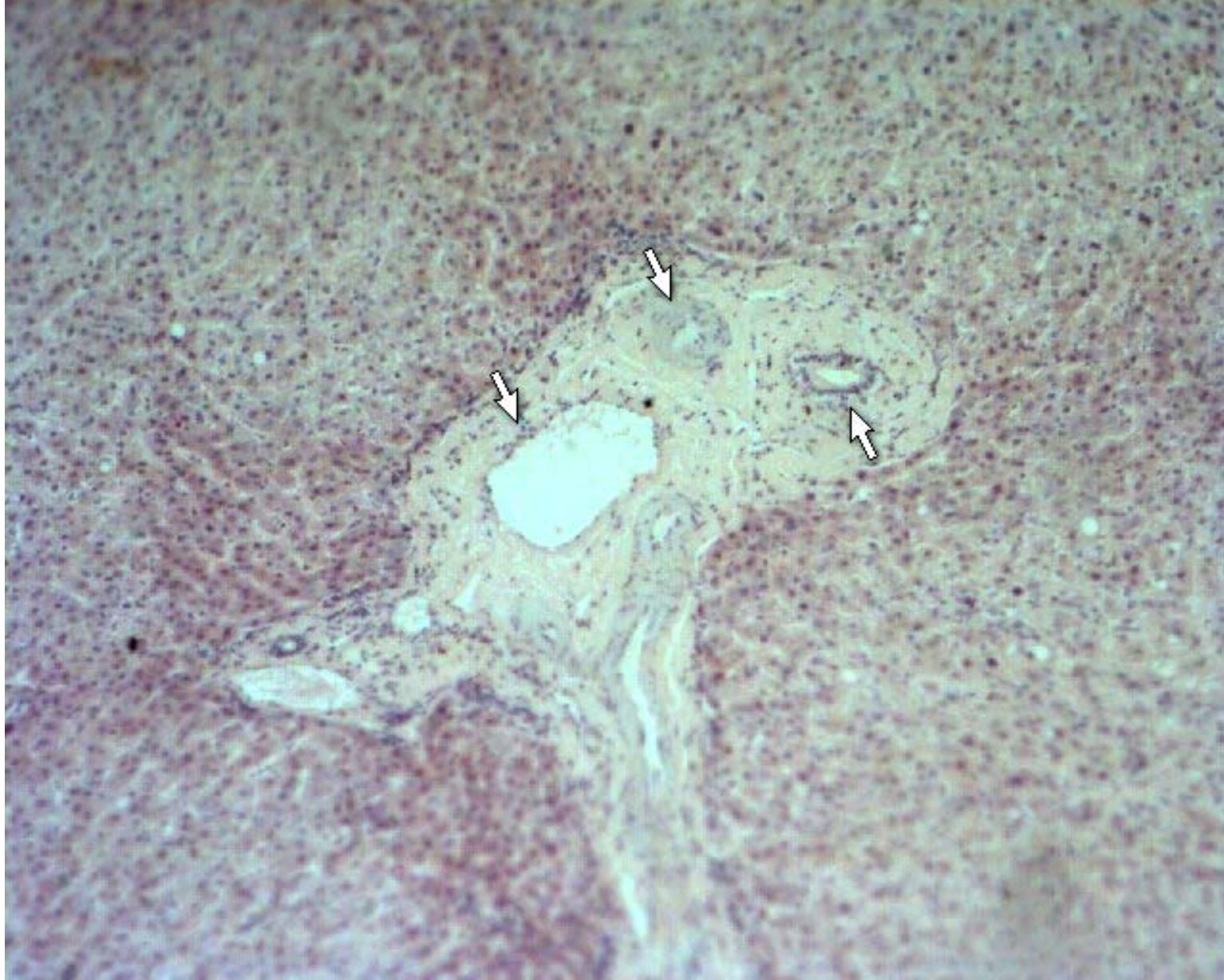
**Hepatic lobule**



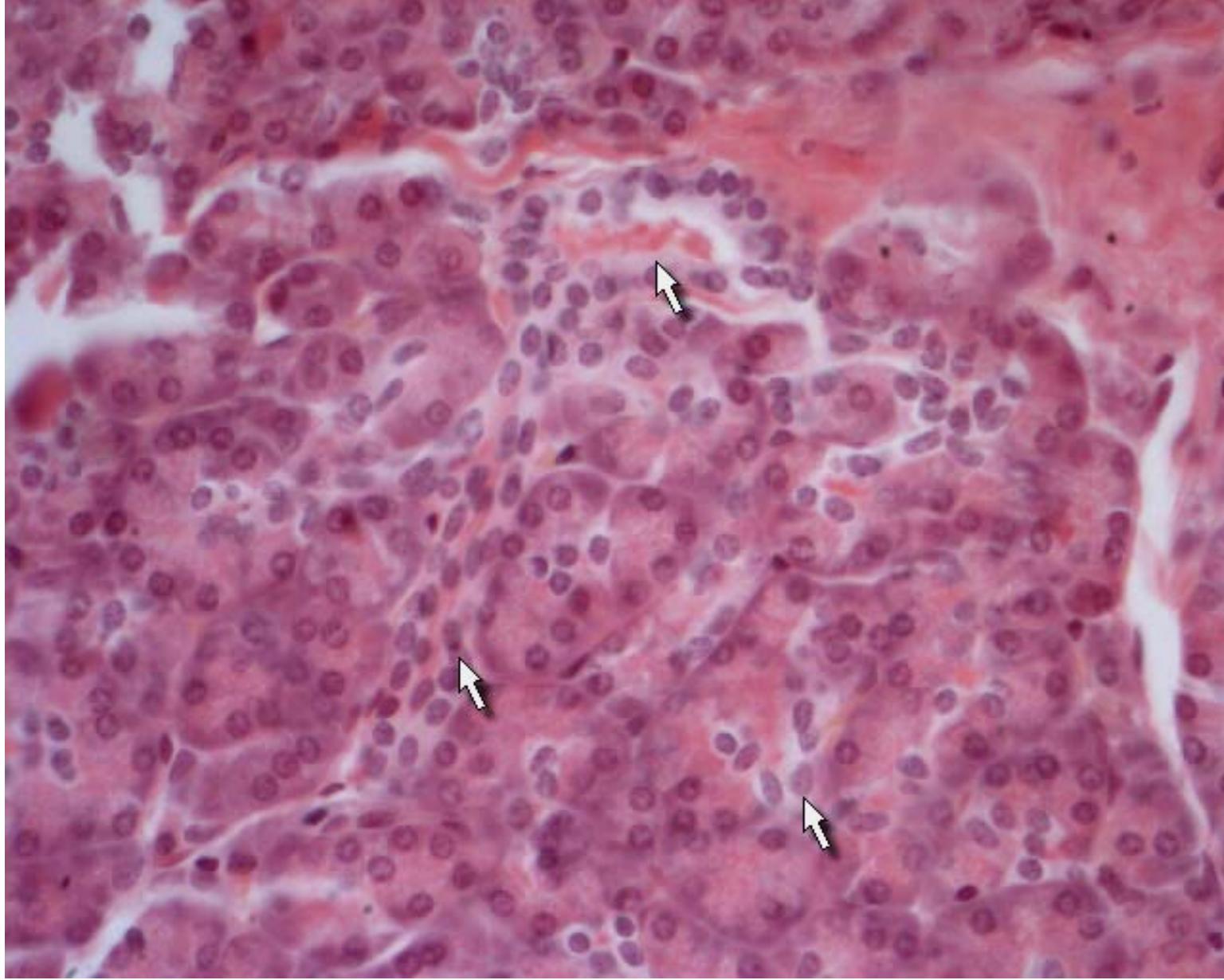
**Central vein**



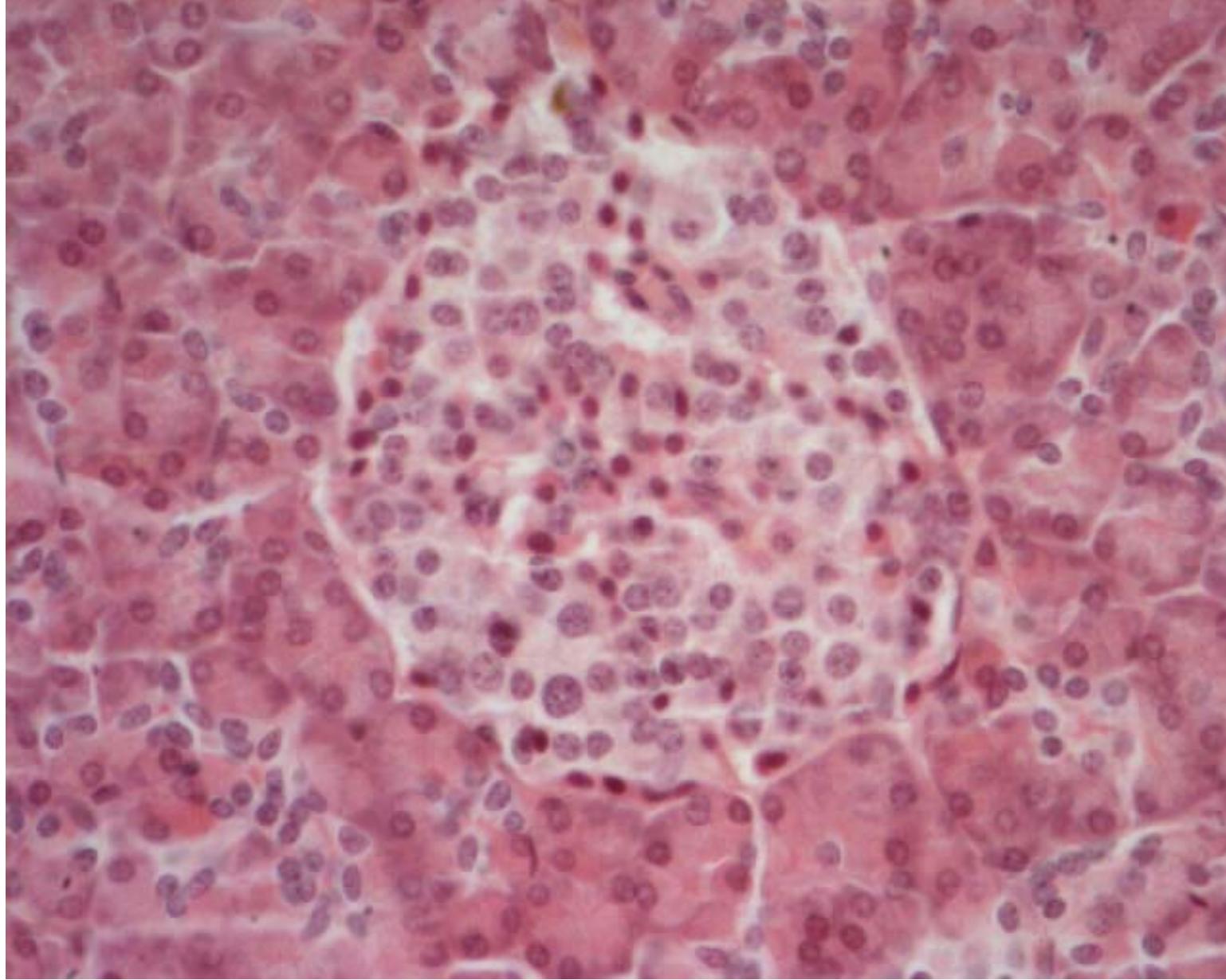
**Kuppfer cell**



**Portal area**



**Intercalated duct**



Pancreas islet