

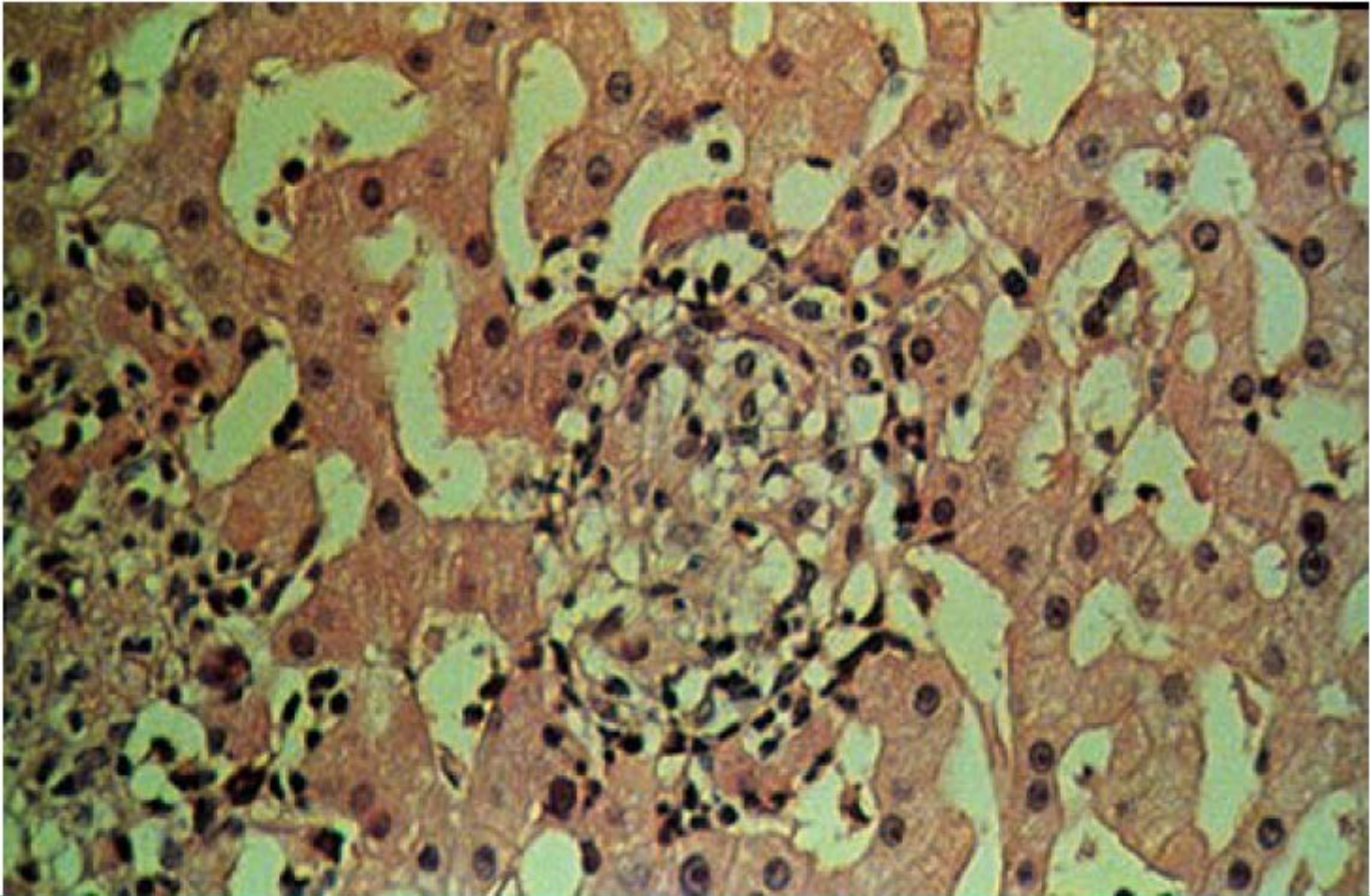
## Classification of liver test abnormalities

Hepatitis (hepatocellular)	ALT $\geq 3 \times$ ULN	R $\geq 5$
Cholestasis	ALP $\geq 2 \times$ ULN	R $\leq 2$
Mixed	ALT $\geq 3 \times$ ULN ALP $\geq 2 \times$ ULN	R $> 2$ to $< 5$

ALT: alanine aminotransferase; ALP: alkaline phosphatase; ULN: upper limit normal; R: ALT/ULN divided by ALP/ULN.

肝細胞性と閉塞性の鑑別は、A;GPTが正常の何倍か、B;アルカリフォスファターゼが正常の何倍か。

A/Bが5以上が肝細胞性、2以下が閉塞性



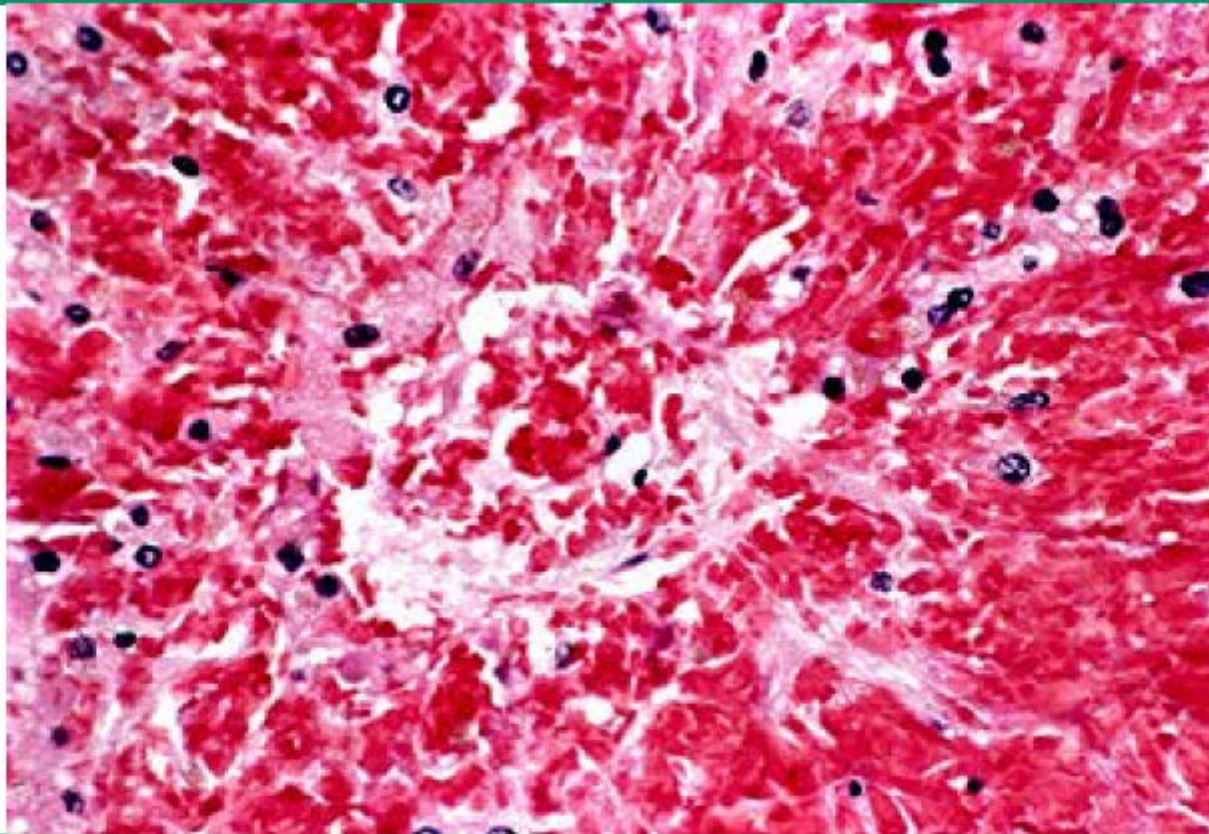
High power view of a liver biopsy shows a noncaseating granuloma and perigranulomatous mononuclear cell inflammation with hepatic necrosis.

肉芽性



## Sinusoidal obstruction syndrome

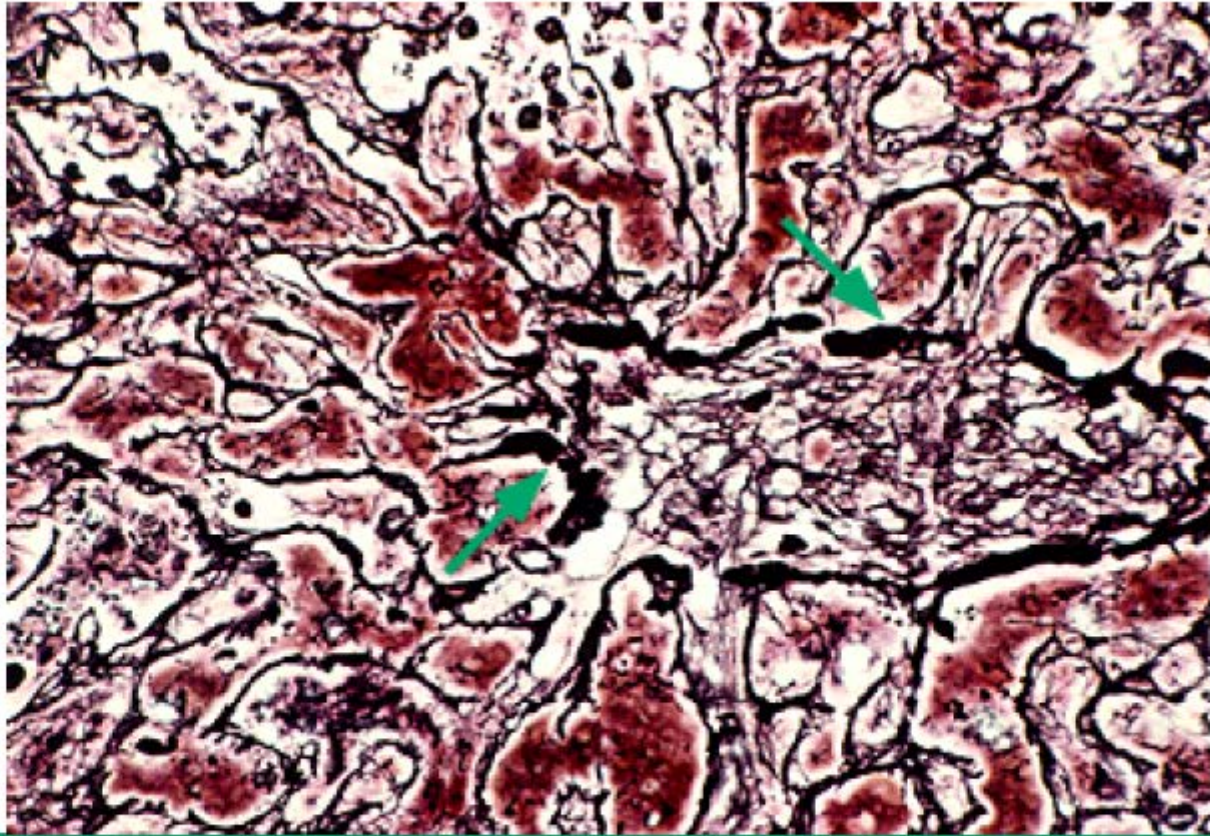
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Light micrograph of sinusoidal obstruction syndrome in which venular occlusion has led to widespread zonal liver disruption and centrilobular hemorrhagic necrosis.





High power view of a reticulin stain of a liver biopsy from a patient with sinusoidal obstruction syndrome. There is prominent perivenular fibrosis (stained in black, arrows).

以下のページはpeliosis hepatisに関して掲載します。

## **Peliosis hepatis**

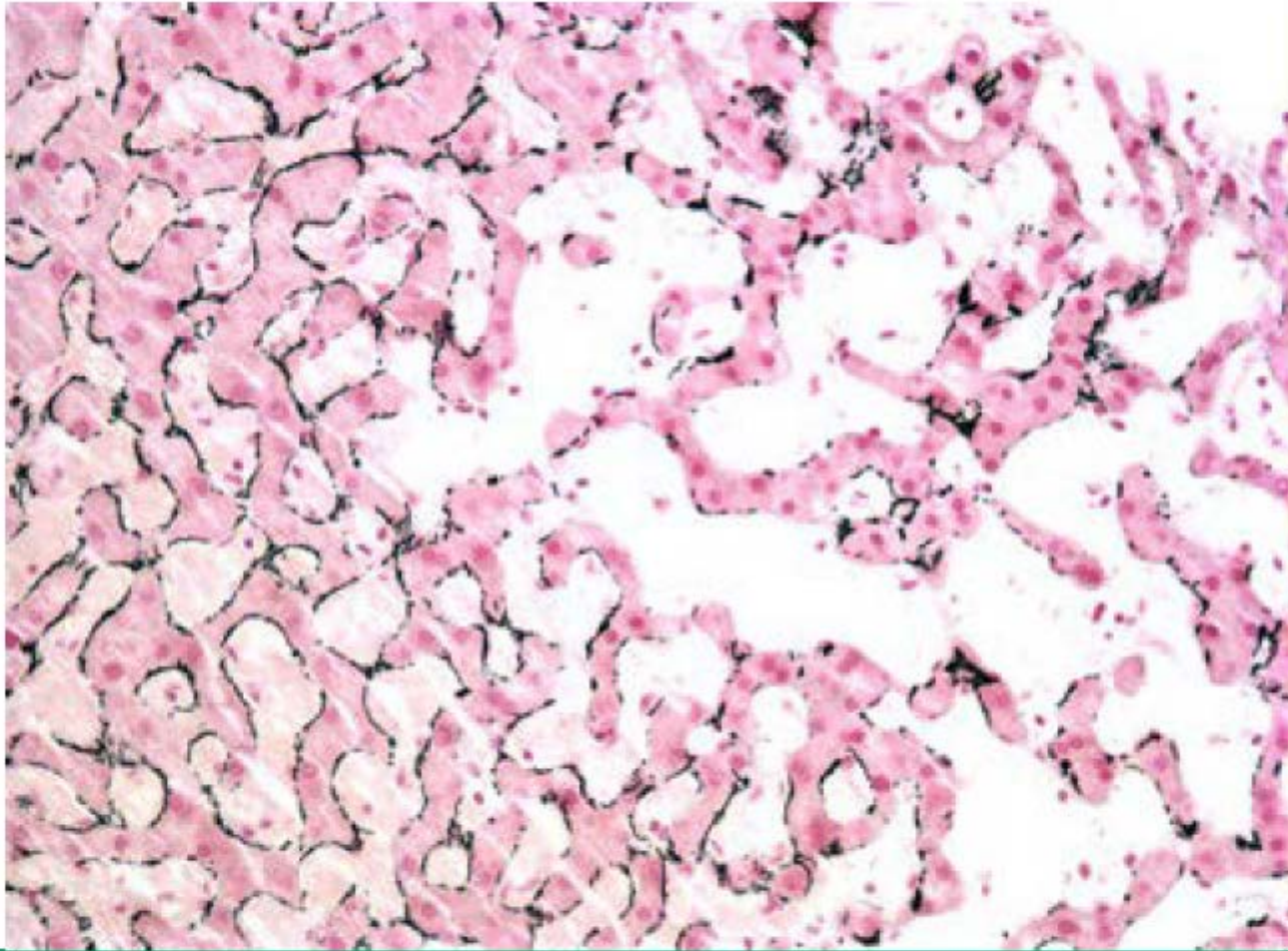
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This low power (4x) view of a liver biopsy with H&E stain shows patches of sinusoidal dilatation and small cyst formation between areas of grossly normal liver parenchyma.





High power (40x) view of reticulin stain showing dilated sinusoids with cyst formation and reticulin frame drop-off.

## Conditions associated with peliosis hepatis

<b>Drugs and chemicals</b>
2-Chloro-3'-deoxyadenosine
6-mercaptopurine
6-thioguanine
Androgenic-anabolic steroids
Arsenic
Azathioprine
Cadmium
Contraceptive steroids
Danazol
Glucocorticoids
Tamoxifen
Thorium dioxide
Urethane
Vinyl chloride
Vitamin A toxicity
<b>Infections</b>
Bacterial endocarditis
Bartonella henselae and Bartonella quintana
Human immunodeficiency virus infection
Leprosy
Pyelonephritis
Syphilis
Tuberculosis
<b>Hematologic</b>

Agnogenic myeloid metaplasia
Anaplastic anemia
Castelman's disease
Fanconi disease
Hodgkin disease
Lymphoma
Malignant histiocytosis
Multiple myeloma
Waldenström macroglobulinemia
<b>Malignancies</b>
Colorectal adenocarcinoma
Gastric adenocarcinoma
Hepatocellular carcinoma
Pancreatic cancer
Prostate cancer
Renal cell carcinoma
Seminoma
<b>Other conditions</b>
Cardiac transplantation
Chronic hemodialysis
Crohn's disease
Diabetes mellitus
Idiopathic restrictive cardiomyopathy
Liver transplant
Marasmus
Pregnancy
Renal transplantation
Rheumatoid arthritis
Systemic lupus erythematosus